

Functions List of Kingdee Cloud V7.1 Product

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1. Overview

Kingdee Cloud is a brand-new ERP product of digital economy era. It is a service platform of modern enterprise management based on WEB2.0 and Cloud calculation, big data, IOT and AI. The product adopts SOA architecture and is built completely based on BOS platform. Driven by processes and roles and integrated with Chinese management model and management practices, the product supports fine-grain reconstruction of enterprise's digital management, covering enterprise's financial management, supply chain management, production management and s-HR. From a perspective of technical architecture, the product is built on the platform, supporting cross data application, public and private Cloud deployment methods, and it is also the first ERP-based Cloud collaboration development platform on public Cloud in China. Applying Kingdee Cloud product, the enterprise will not only own software, but also will connect with numerous IT service partners included Kingdee who provide service based on the same platform.

Featuring with open, standard and social, Kingdee Cloud provides enterprises with an open ERP Cloud platform and supports the whole life cycle management during the digital transformation and upgrade, and it has already become the first choice of cloud service for enterprise management in China.

1.1 Product Form

Kingdee Cloud V7.1 provides an independent installation package, supporting clean installation and upgrades from V7.0 or below.

1.2 Constitution of Cloud Service

Kingdee Cloud V7.1 provides professional services in six specific domains, including Cloud FI, Cloud SCM, Cloud Omni-Channel Marketing, Cloud MFG, Cloud Smart Factory and Cloud PLM.

For details, please refer to the contents below.

Cloud FI (21 Cloud Service Applications)				
G/L	Smart Accounting Platform	Reports	Consolidated Statement	Amoeba Report (Feature)
Fixed Assets	Expense Reimbursement	A/R Management	A/P Management	Invoice Management
Cashier Management	Capital Management	e-Banking	Inventory Accounting	Product Cost Accounting
Standard Cost Analysis	Real-time Cost (Feature)	Budget Management	Golden Tax Paper Invoicing (Feature)	e-Invoice (Feature)
Invoice Receipt and Check (Feature)				
Cloud SCM (7 Cloud Service Applications)				
Purchase Management	Sales Management	Credit Management	Inventory Management	Inter-org. Settlement
Supplier Collaboration Platform	Barcode Management			
Cloud Omni-Channel Marketing (9 Cloud Service Applications)				
Marketing Network	B2B e-Commerce Portal	B2B e-Commerce Center	B2C e-Commerce Center	Cloud Synchronization Management
Whole-net Member	Demand/Replenishment Management	Promotion Management	Rebate Management	
Cloud MFG (8 Cloud Service Applications)				
PDM	Plan Management	Production Management	Subcontract Management	Workshop Management
Production (Production Line)	Quality Management	Quality Tracing		
Cloud Smart Factory (1 Cloud Service Application)				

Smart Workshop				
Cloud PLM (6 Cloud Service Applications)				
System Modeling	R&D Management	Materials Management	Material Standardization	Design BOM Management
SolidWorks Integration				Documents Management

For platforms of Kingdee Cloud, please refer to the contents below.

Basis Platform(10 Platform Applications)				
Master Data	Public Settings	Business Initialization	Business Monitor	Implementation Platform
System Management	Portal Management	Data Center Management	License Management	Integration Platform
BOS Platform(8 Platform Applications)				
Workflow	Business Flow	Information Center	Shared Service Center	
BOS Integration	Pre-format	Print	Universal Report	Mobile Platform
Development Platform	Design Platform	Platform		
Collaborative Development Platform(1 Platform Application)				
Cloud Collaborative Development Platform				
Internationalization Platform(1 Platform Application)				
Multilingual Translation Platform				

2. Main Functions of Product

2.1 Cloud FI

2.1.1 G/L

G/L is a core module in financial accounting system, managing books and reports through focusing on vouchers handling. It can be seamlessly integrated with each module through the smart accounting platform, thus realizing data share. All the accountings in the enterprise will be finally reflected in G/L.

2.1.1.1 Main Functions

1. Initialization

It supports to manually enter the initial account data, or to mass import account's initial data from external EXCEL files. Additionally, it also supports to directly import account's initial balance data from business systems.

2. Voucher Management

Vouchers are basic docs in G/L module, using to record business information, functioned like bookkeeping document in manual operation. To make it easier to use, the system provides multiple functions of voucher data checking and controlling, including:

- Enter vouchers with businesses in foreign currencies;
- Automatically calculate the balance of debits and credits in the voucher;
- The new entry automatically carries the information of previous one;
- Support to split cash flow in voucher entry automatically and to specify cash flows;
- Check validity of the information in voucher entry;
- Support Qty-Amt auxiliary accounting.

3. Query of SOB

SOB is a set of books which is based on accounting vouchers. It links multiple account sheets together according to a special format. No matter whether the voucher is posted, users are allowed to query the following SOB:

- General Ledger
- Subledger
- Multi-column Subledger Report
- Accounting Dimension Subledger
- Qty-Amt G/L
- Qty-Amt Subledger

"Accounting Dimension Subledger" is a sub SOB based on the auxiliary accounting dimension of the account, allow users to query subledger details of accounting dimension and the corresponding account.

4. Financial Report

The index provided in financial reports usually gives more comprehensive data than other accounting files. G/L module supports the following reports:

- Account Balance Report
- Trial Balance Sheet
- Description Summary
- Accounting Dimension Balance Report
- Combination Table of Accounting Dimension and Account

5. Multi-SOBs Merging

This is used to view accounting dimensions of multiple SOB's or summarized and detailed account data according to the subordination relationship among SOB's. G/L module mainly supports:

- Multi-SOB Account Balance Sheet
- Multi-SOB Account Balance Sheet (Horizontal)
- Combination Table of Multi-SOB Accounting Dimensions and Accounts
- Multi-SOB Accounting Dimension Subledger
- Multi-SOB Accounting Dimensions Summary

- Multi-SOB Accounting Dimension Details
- Balance Sheet of Multi-SOB Accounting Dimensions
- Multi-SOB Exchange Rate Revaluation History

6. Cash Flow Handling

Mass preset cash flow item: Refers to the primary/secondary statement items of the cash flow of the account when defining cash inflow or outflow. After the definition, the presets will be automatically carried when the voucher specifies the cash flow or T-account.

Functions of "Query Vouchers" or "T-account" can be used to specify the cash flow item, and "T-account" can be used to specify the primary statement items in batches.

Specify secondary statement item: Used to specify secondary statement items in batches.

Adjust secondary statement item: Used to handle adjustment businesses in secondary statement item in batches.

Cash flow statement splits vouchers of the SOB and then prepares statements. Users can prepare the statement at any time, which is very convenient.

The system also provides a function of query of cash flow; users can query the cash flow of each voucher.

7. Month-end Handling

Users have to handle and close the account at the end of the month after finishing handling the businesses in current period. Mainly contains:

- Ex. RT Revaluation
- Carry Forward Profit and Loss
- Auto Transfer
- Month-end Closing
- Voucher Amortization
- Voucher Withholding

In the function of "Ex. RT Revaluation", the system supports both "Direct Exchange Rate" and "Indirect Exchange Rate", helping to get more accurate rate adjustment result.

The next period will be enabled only when users close all the accounts in the current period.

8. Business Processes in Adjustment Period

Against the backdrop of no de-closing to previous period, "Business Process of Adjustment Period" function is used to add an adjustment period directly after the previous year and enter the adjustment entry. After posting vouchers of the adjustment period, the account balance of each period in the subsequent years will be directly updated. Mainly contains:

- Adjustment Period Management
- Enter Voucher of Adjustment Period
- Query Voucher of Adjustment Period
- Post Voucher of Adjustment Period
- Ex. RT Revaluation of Adjustment Period
- P/L Carry-forward of Adjustment Period

By default, all statements on G/L module contain vouchers of the adjustment period and support to view vouchers not in the adjustment period. Support to process cash flows in adjustment period.

2.1.2 Smart Accounting Platform

"Smart Accounting Platform" is a tool using to automatically generate vouchers, and it is a docking platform of business data and financial data, performing financial monitor, classification and bookkeeping of businesses through accounting policy, FAS.

Smart Accounting Platform is tightly integrated with each module, helping enterprise to collect its economic activities information much easier and more accurately; and the vouchers are automatically generated by the system, which greatly reduces workload of voucher entry and lowers errors, thus improving the quality and efficiency of the accounting processing work.

2.1.2.1 Main Functions

1. Basic Settings

- Entry Type
- Voucher Template

The system presets common entry types and voucher templates for the regular operating activities, and users can edit or elaborate them as actual required by the enterprise.

2. Voucher Generations

- Support mass operations; allow generating vouchers for multiple SOB, multiple fiscal periods and multiple kinds of docs simultaneously.
- Generated vouchers contain: Transaction vouchers and G/L vouchers, they corresponds to each other, helping users to query and check accounts.
- Transaction vouchers and G/L vouchers can be generated either in synchronization manner or in steps.
- Any business docs can generate vouchers in this module.
- The system supports intelligent bookkeeping and provides functions of "Auto generate voucher on approving doc" and "Scheduled Voucher Generation", users can set the corresponding auto voucher generation scheme as required.

3. Query of Voucher Generations

This function allows users to query the details of voucher generations, including whether the voucher is generated, the corresponding voucher number and category, failure reasons and others.

4. Query of Transaction Vouchers and G/L Vouchers

Support associated query between vouchers and business docs, making financial analysis traceable.

5. Reconciliation

This function is used to check business reports and G/L account, currently supported business reconciliations: A/R Details, A/P Details, Inventory Receipt/Delivery/Balance Summary, Assets Value Variation Report, Cash Journal, Bank Journal, Balance Sheet of Bills Receivable, Unbill Payables Details, Receipt Cross-check Summary, Reconcile receivables by invoice and Reconcile payables by invoice.

6. Intelligent Bookkeeping

The auto voucher generation scheme (intelligent bookkeeping) supports functions of "Auto generate voucher on approving doc" and "Scheduled Voucher Generation", users can set the corresponding auto voucher generation scheme as required.

- Auto generate voucher on approving doc: The newly created auto voucher generation scheme (the option "Auto generate voucher on approving doc" is

checked) realizes the function that automatically generate an voucher on approving the doc.

- Generate voucher at scheduled time: The newly created auto voucher generation scheme (the option "Generate voucher at scheduled time" is checked) realizes the function that generate vouchers at scheduled time, with the precondition that "Allow to execute planned task" is enabled in the administration center of the SOB.

2.1.3 A/R Management

With the development of market-oriented economy, credit sales have become more and more accepted by enterprises for their most of businesses in order to expand sales. Thus A/R management becomes more and more important subject for enterprises to control their credit risks.

Besides sales receivables, the enterprise may have some other receivables, for example, fines from damaging office devices.

With such functions as A/R confirmation, collection at maturity, receivables write-off, receivables billing write-off, month-end process and report analysis, "A/R Management" module provides lean management of receivables. Receivables confirmation consists of confirmations of sales receivables and other receivables. "Collection at Maturity" is a function in Cashier Management module, which will be elaborated in the section of cashier management functions below.

2.1.3.1 Main Functions

1. Collection Terms

Collection term is one of the business condition of sales. "Collection Terms" in this product mainly provides the following functions:

- Support to set more than one due dates.
- Support to determine advance collection ratio.
- Support to set the payment method.

2. Initialization

If businesses already exist before applying the system and there are receivables not settled, then the system should be initialized first. A/R Management module supports to input the initial data, as well as the data of the first fiscal period, at the same time. For specific functions, please refer to the contents below.

- Enable system: Support to enable the system on any date.
- And A/R module and Cash module can be enabled separately.
- Enter initial data: The initial balance is entered in the form of business doc, completely supporting the subsequent business handling and statistics analysis.

3. Confirmation of Receivables

A/R management mainly processes businesses in the following two aspects: sales receivables and other receivables. Sales receivables are managed by Doc Receivable, and other receivables are managed by Other Receivables doc.

- Doc Receivable and Sales Invoice are completely separated, the approval of Doc Receivable indicates that account of receivables is confirmed, and also indicates that the creditor's rights are set up.
- Doc Receivable supports "Estimation Receivable" account establishment mode, which confirms A/R according to invoices: If not billed, then receivables will be confirmed as "Estimation Receivable"; and if already billed, and then it will be confirmed as "Financial Receivable". Support "Business Receivable" account establishment mode, which confirms A/R according to the goods transfer: If the goods are delivered, then the receivables will be confirmed as "Business Receivable"; and if billed, the difference between the business receivables and the invoice will be adjusted.
- Support to create a new Doc Receivable quickly.
- Support to automatically generate Documents Receivable from Sales Delivery.

- Support to automatically calculate multiple due dates of Doc Receivable.
- Support to view collection and billing records of Doc Receivable.
- Support to enter Doc Receivable by tax-inclusive U/P or by tax-exclusive U/P.
- Support two calculation logics of tax amount: Hidden Tax, Visible Tax.
- Support to use Sales Delivery, Sales Return and Sales Order as the basis to confirm the receivables.
- Provide "Acquire Costs" function, support to confirm costs and revenues repetitively for one delivery.

4. Write-off of Receivables Billing

This module manages A/R through Doc Receivable, and the final amount of receivables should be the same as that in the invoice. Thus, the system provides a write-off function, to write off between the Doc Receivable and the invoice.

- When generating invoices from a Doc Receivable, they can be merged by materials or not be merged by materials.
- The system can automatically handle the write-off of the sales invoice and the associated Doc Receivable.
- Add write-off relationship between Doc Receivable (Positive) and Doc Receivable (Negative).
- Support to customize write-off scheme for receivables billing.
- Users can select more than one write-off schemes for matched conditional write-off, the system will automatically execute mass write-off for many times by matching conditions in accordance with the priority of write-off schemes.
- Manual write-off supports "Manually Matched Write Off" and "Manually Special Write Off". "Manually Matched Write Off" is used to perform matched write-off on specified docs according to the matching scheme;

while "Manually Special Write Off" supports write-off of any docs, including offset doc mantissa and write-off of different reciprocal units.

- If the amounts on Doc Receivable and in the invoice are different, the system will automatically generate an adjusted Doc Receivable.
- During the write-off of receivables billing (Doc Receivable and the invoice), when the tax-inclusive prices are the same, and if the tax-exclusive amounts are not the same, the system will generate an adjusted Doc Receivable.
- This function supports scheduled write-off.

5. Receivables Write-off

The system provides "Receivables Write-off" function, since matching each receivable and collection is a base to accurately provide such reports as A/R Age Analysis Report and A/R Due and Overdue Report.

- The system can automatically handle the write-off of Collection Note/Refund Note (A/R) and associated Doc Receivable or Other Receivables.
- Support to customize write-off scheme for receivables.
- Users can select more than one write-off schemes for matched conditional write-off, the system will automatically execute mass write-off for many times by matching conditions in accordance with the priority of write-off schemes.
- Support write-off between Doc Receivable and Doc Payable and write-off between Other Receivables and Other Payables.
- Manual write-off supports "Manually Matched Write Off" and "Manually Special Write Off". "Manually Matched Write Off" is used to perform matched write-off on specified docs according to the matching scheme; while "Manually Special Write Off" supports write-off of any docs, including offset doc mantissa and write-off of different reciprocal units.

- For special write-off of receivables, the write-off records can be merged.
- This function supports scheduled write-off.

6. Receivable Resale

- Support to transfer out by collection plan of Doc Receivable.
- Support to set business date and due date of the transfer-in Doc Receivable.
- Support to partially transfer out Doc Receivable.
- Support customized fields.
- Support to resale Collection Note (advance collection).
- Support to resale Other Receivables.

7. Month-end Handling

- Support to generate vouchers by the voucher template.
- Support internal receivables clearing.
- Support to close on any date.
- Support de-closing.

8. Report Analysis

- Provide multi-dimensional A/R Summary.
- Provide A/R Details.
- Provide A/R Age Analysis Report, and users can customized the aging groups.
- Provide A/R Due and Overdue Report, to analyze overdue, due and not due receivables.
- When the reciprocal unit can be a customer or a supplier, users can use "Transaction Reconciliation Details" report to analyze all the reciprocal details related with this reciprocal unit.
- Provide A/R Tracking Table, it is used to query information related with A/R businesses, for example, situations of the order, sales delivery, collections and billings.

- Provide Customer Statement.
- Provide Unbilled Receivable Details, using to query the billings of receivables.
- Provide A/R Billing Write-off Details, using to query the billing write-off of Doc Receivables.
- Provide alerts for due receivables.

2.1.4 A/P Management

With the development of market-oriented economy, credit sales have become more and more accepted by enterprises for their most of purchases. Thus A/P management has become one of the important subjects in enterprise's finance management.

Besides payables generated from purchase, the enterprise may have payables generated from other reasons, like reimbursements and some administration fees.

With such functions as A/P confirmation, payment at maturity, payables write-off, payables billing write-off, month-end process and report analysis, "A/P Management" module provides lean management of payables. Payables confirmation consists of confirmations of purchase payables and other payables. "Payment at Maturity" is a payment function in Cashier Management module, which will be elaborated in the section of cashier management functions below.

2.1.4.1 Main Functions

1. Payment Terms

Payment term is one of the business conditions of purchase. "Payment Terms" in this product mainly provides the following functions:

- Support to set more than one due dates.
- Support to determine prepayment ratio.
- Support to set the payment method.

2. Initialization

If businesses already exist before applying the system and there are payables not settled, then the system should be initialized first. A/P Management module supports to input the

initial data, as well as the data of the first fiscal period, at the same time. For specific functions, please refer to the contents below.

- Enable system: Support to enable the system on any date.
- And A/P module and Cash module can be enabled separately.
- Enter initial data: The initial balance is entered in the form of business doc, completely supporting the subsequent business handling and statistics analysis.

3. Confirmation of Payables

A/P management mainly process businesses in the following two aspects: purchase payables and other payables. Purchase payables are managed through Doc Payable, and other payables are managed through Other Payables.

- Doc Payable and Purchase Invoice are completely separated, the approval of Doc Payable indicates that account of payables is confirmed, and also indicates that the liabilities are set up.
- Doc Payable supports "Estimation Payable" account establishment mode, which confirms A/P according to invoices: If the bill is not received, then receivables will be confirmed as "Estimation Payable"; and if already received, and then it will be confirmed as "Financial Payable". Support "Business Payable" account establishment mode, which confirms A/P according to the goods transfer: If the goods received, then the receivables will be confirmed as "Business Payable"; and then after the bill is received, the difference between the business payables and the invoice will be adjusted.
- Support to create a new Doc Payable quickly.
- Generate Doc Payable automatically from Purchase Receipt.
- Support to automatically calculate multiple due dates of Doc Payable.
- Support to view payment and billing records of Doc Payable.
- Support to enter Doc Payable by tax-inclusive U/P or by tax-exclusive

U/P.

- Doc Payable supports two calculation logic of tax amount: Hidden Tax, Visible Tax.
- Support to use such purchase receipt, purchase return, materials receipt and purchase order as the confirmation bases of payables.

4. Write-off of Payables Billing

This module manages A/P through Doc Payable, and the final amount of payables should be the same as that in the invoice. Thus, the system provides a write-off function, to write off between the Doc Payable and the invoice.

- When generating invoices from a Doc Payable, they can be merged by materials or not be merged by materials.
- The system can automatically handle the write-off of the purchase invoice and the associated Doc Payable.
- Support to customize write-off scheme for payables billing.
- Users can select more than one write-off schemes for matched conditional write-off, the system will automatically execute mass write-off for many times by matching conditions in accordance with the priority of write-off schemes.
- Manual write-off supports "Manually Matched Write Off" and "Manually Special Write Off". "Manually Matched Write Off" is used to perform matched write-off on specified docs according to the matching scheme; while "Manually Special Write Off" supports write-off of any docs, including offset doc mantissa and write-off of different reciprocal units.
- If the amounts on Doc Payable and in the invoice are different, the system will automatically generate an adjusted Doc Payable.
- During the write-off of payables billing (Doc Payable and the invoice), when the tax-inclusive prices are the same, and if the tax-exclusive amounts are not the same, the system will generate an adjusted Doc

Payable.

- This function supports scheduled write-off.

5. Payables Write-off

The system provides "Payables Write-off" function, since matching each payable and payment is a base to accurately provide such reports as A/P Age Analysis Report and A/P Due and Overdue Report.

- The system can automatically handle the write-off of Payment Note/Refund Note (A/P) and associated Doc Payable or Other Payables.
- Support to customize payables write-off scheme.
- Users can select more than one write-off schemes for matched conditional write-off, the system will automatically execute mass write-off for many times by matching conditions in accordance with the priority of write-off schemes.
- Support write-off between Doc Receivable and Doc Payable and write-off between Other Receivables and Other Payables.
- Support write-off relationship between Doc Payable (Positive) and Doc Payable (Negative).
- Manual write-off supports "Manually Matched Write Off" and "Manually Special Write Off". "Manually Matched Write Off" is used to perform matched write-off on specified docs according to the matching scheme; while "Manually Special Write Off" supports write-off of any docs, including offset doc mantissa and write-off of different reciprocal units.
- For special write-off of payables, the write-off records can be merged.
- This function supports scheduled write-off.

6. Payables Resale

- Support to transfer out by the payment plan in Payment Note.
- Support to set business date and due date of the transfer-in Doc

Payable.

- Support to partially transfer out Doc Payable.
- Support customized fields for payables resale.
- Support to resale Payment Note (Prepayment).
- Support to resale Other Payables.

7. Month-end Handling

- Support to generate vouchers by the voucher template.
- Support the function of internal payables clearing.
- Support to close on any date.
- Support de-closing.

8. Report Analysis

- Provide multi-dimensional A/P Summary.
- Provide A/P Details.
- Provide A/P Age Analysis Report and users can customize the aging groups.
- Provide A/P Due and Overdue Report, to analyze overdue, due and not due payables.
- When the reciprocal unit is a customer and a supplier, users can use "Transaction Reconciliation Details" report to analyze all the reciprocal details related with this reciprocal unit.
- Provide A/P Tracking Table, it is used to query information related with A/P businesses, for example, situations of the order, purchase receipt, payments and invoices.
- Provide Unbilled Payables Details, using to query the billings of payables, and a doc of estimation payables in the beginning of the month will be generated at the same time, thus realizing "Backflush once at BoP" estimation backflush mode.
- Provide A/P Billing Write-off Details.

- Provide alerts for due payables.

2.1.5 Invoice Management

2.1.5.1 Main Functions

1. Purchase Invoice

- Support to create and maintain Purchase Invoice (Common).
- Support to create and maintain Purchase Invoice (VAT).
- Support to create and maintain Input Expenses Invoice (VAT).
- Support to create and maintain Input Expenses Invoice (Common).

2. Sales Invoice

- Support to create and maintain Sales Invoice (Common).
- Support to create and maintain Sales Invoice (VAT).
- Support to create and maintain Output Expenses Invoice (VAT).
- Support to create and maintain Output Expenses Invoice (Common).
- Support to issue electronic invoice of Sales Invoice (Common).

3. Golden Tax Interface

- Support to customize the export scheme of Sales Invoice.
- Support to export Sales Invoice to a text file, which can be imported to Golden-tax system.
- Support seamless connection with Golden-tax system, allow to print Golden-tax invoice and invoices list and to void invoices directly from Sales Invoice.
- Support to limit the amount for billing of Sales Invoice, matching billing system in Golden-tax system.
- Support to limit lines for billing of Sales Invoice, matching billing system in Golden-tax system.
- Support to display a separate discount row in the invoice during billing in the Golden-tax system, to show the price discounts in the invoice.

- Support to bill in multi-plates mode. Support to select a specific plate to bill.
- Support to preview during billing in the Golden-tax system, to ensure the billing accuracy.

4. VAT Management

- Support functions of maintenance of VAT deductible amount
- Support functions of certificates management of VAT deductible amount, such as "Certificated", "Certificated On" and etc.

5. Report Analysis

- Provide "Input Invoice Details", supporting users to comprehensively query all the input invoices details and summary.
- Provide "Output Invoice Details", supporting users to comprehensively query all the output invoices details and summary.

2.1.6 Cashier Management

The module of Cashier Management provides a management tool for cashiers to manage the enterprise's businesses of capital and bills. Through business processes, permissions, counting operations and statements, the module can ensure the accurate execution of enterprise's money, thus keeping the capital safe. The key application features are shown below.

Cashier Workbench

Kingdee Cloud Cashier Management module is a workbench for cashiers, supporting cashiers to complete routine work, such as collecting/paying, custody and accounting all relevant monetary funds, bills and marketable securities in the system.

Restore Daily Operations

Kingdee Cloud Cashier Management module truly restores the daily business process of a cashier, having features of business systems, and as well meeting the requirements of related cash management and financial system.

Kingdee Cloud Cashier Management module focus on process of actual businesses, managing original business vouchers, and businesses of money collections and payments are realized through Payment Note and automatically booked in the journal by the system.

Supporting to directly import electronic file of bank statement

The system presets schemes to import electronic statement of main domestic banks in EXCEL and CSV formats. It supports to directly import the electronic statement files.

As well, users are allowed to customize the import scheme in other formats.

Meeting requirements of multi-org. and multi-accounting systems applications

In Kingdee Cloud Cashier Management module, the actual money collections and payments are an objective process which don't relate with the accounting system. There is only one set of actual collections and payments data. But in multi-org. and multi-accounting system, the system supports to make statistics and analyze the business data in multiple dimensions. Together with the Smart Accounting Platform, the system can meet the requirements of account process of multi-org. and multi-accounting system, which is more flexible and extensible.

Supporting management mode of central collections and payments by department

Kingdee Cloud Cashier Management module can meet the requirements of management mode of central collections and payments by department, and support bills pool in system of department. This ensures the smooth process of settlement businesses (like collections and payments) in the system of multi-departments, improves the utilities and effects of the capital of the company, and reduces the costs and risks of the capital. This system also can better support the independent appraisal of accounting by department.

2.1.6.1 Main Functions

1. Bank Account

- This is used to manage the bank account of the enterprise itself.
- Adopt allocation-type control policy; support multiple collection/payment organizations to use one bank account.
- Support process of applications of bank account open.

- Support process of changing bank account.
- Support process of canceling bank account.
- Support to set the default value.

2. Internal Account

- Support to set an internal account of the settlement organization in the collection/payment organization, realizing collections and payments controlled uniformly by the collection/payment organization.
- Support to set the default value.

3. Purpose of Money

- The purpose of money the enterprise collected or paid. Allow customers to customize the purpose as required.
- Different purpose supports different business handling process, and different financial processes.

4. Cash Account

- Support the business function of more than one cashier in the same collection/payment organization.

5. Parameter Settings

- Control whether or not to allow modifying the exchange rate on the business docs of collections and payments, as required.
- Control whether or not to allow month-end closing when unapproved docs exist, as required.
- Payment balance control parameters:
 - Support to set the control strength of payment balance: Prohibit payment, Alert Prompt, No Control.
 - Support to set the control point of payment balance: On approving, On saving.
- Whether or not to bookkeep automatically for cashier docs.
- Automatically generate Collection Note on approving the Documents Receivable.
- Automatically generate Payment Note on approving the Documents Payable.
- Generate collection/payment by tab details in source doc.

- Automatically generate Payment Note or Refund Note (A/R) on approving the Payment Requisition.
- Allow the amount of advance collection to be greater than the unreceipted amount.
- Automatically generate Collection Note on approving the Documents Receivable of retails and cash sales.
- When approving the business doc in type of payment, the business date will be updated as the system date.

6. Initialization

- Support to enable the system on any date, and support de-enabling.
- Enter cash (BoP) balance by cash account and currency.
- Enter bank deposit (BoP) balance by bank account and currency, and balancing with account balance in the bank.

7. Payment Requisition

Support complete process of payment requisition.

- Support money requisition of Purchase Advance Payment and Purchase Payables.
- Support money requisition of Other Payables.
- Support money requisition of refund of sales collection.
- Support money requisition of refund of other collections.
- Support payment requisition of expenses reimbursement.

8. Daily Operations Process

Cashier Management is a workbench for cashiers, support cashiers to handle all the businesses of changes of cash and bank deposits.

- Cash Recycling

This is used to handle enterprise's regular cash deposit and withdrawal transactions.

- Bank Transfer

This is used to handle transfers between enterprise's internal bank accounts.

This is used to help enterprise to purchase foreign exchanges.

➤ Collection

Support one business organization to handle receivables settlement and collections, and also support to handle receivables settlement and collections separately, the HQ performs collections uniformly.

The system presets four types of collection doc, corresponding to different business segments.

"Sales Collection Note" indicates the collection from corresponding regular sales, including advance collection and sales collection. The sales collection will influence the balance of receivables and will be involved in the receivables write-off in A/R module.

"Collection Note of Other Businesses" allows users to customize the purpose of money collected from other businesses, corresponding to all external collections except the sales business. The system will also determine if this amount influences the balance of receivables and whether or not to be included in the receivables write-off in A/R module in accordance with original collection purpose.

"Collection Note of Downward Capital Appropriation" cannot be created manually, and only can be generated automatically from Downward Capital Appropriation.

"Collection Note of Internal Interest" cannot be created manually, and only can be generated automatically from Internal Interest Note.

Support to download e-banking flow to generate a Collection Note.

➤ Refund of Collections

Corresponding to collection businesses, support to make corresponding refunds for all collection businesses.

➤ Payments

Support one business organization to handle payables settlement and payments, and also support to handle payables settlement and payments separately, the HQ performs payments uniformly.

➤ Refund of Payments

Corresponding to payment businesses, support to make corresponding refunds for all

payment businesses.

- Support to collect and pay in different currencies

In Collection Note, Refund Note (A/R), Payment Note and Refund Note (A/P), "Settlement Currency" and "Settlement Amount" fields are added to support the different functions with currencies used in collection and write-off.

- Support to collect and pay by material details
- Capital Transfer Doc

Support three transfer types: Capital transfer of bank deposit, Capital transfer of internal account of collections and payments, and Capital transfer of internal account of capital.

Capital Transfer Doc supports to calculate interests.

Capital Transfer Doc supports to repay the money through the transfer.

- Bills Receivable

Manage and maintain Bills Receivable received by the enterprise, including bank acceptance and trade acceptance.

Support that one Bills Receivable corresponds to businesses in multiple settlement organizations, and support endorsement of Bills Receivable crossing settlement organizations.

When collecting through bills settlement, Collection Note can quote the corresponding Bills Receivable.

Support subsequent settlement businesses, such as discount, endorsement, endorsement return, collection at maturity and dishonor of Bills Receivable.

For each settlement process of Bills Receivable, the system will automatically generate a corresponding Settlement of Bills Receivable and process accounts of settlement businesses in Bills Receivable accordingly.

If the settlement result of Bills Receivable will cause changes of receivables or payables, the system will automatically generate a corresponding change record for the business doc. Then process it in the A/R and A/P process.

Support impawn and entrust.

Support Payment Note and Refund Note (A/R) to start endorsement.

Support Refund Note (A/R) and Collection Note to start endorsement.

Support Refund Note (A/R) and Collection Note to start endorsement return.

➤ Bills Payable

Manage and maintain Bills Payable signed by the enterprise, including bank acceptance and trade acceptance.

Support that one Bills Payable corresponds to businesses in multiple settlement organizations.

When paying through bills settlement, Payment Note can quote the corresponding Bills Payable.

The system supports subsequent settlement businesses, such as discount, endorsement, endorsement return, collection at maturity and dishonor of Bills Payable.

For each settlement process of Bills Payable, the system will automatically generate a corresponding Settlement of Bills Payable and process accounts of settlement of Bills Payable accordingly.

If the settlement result of Bills Payable will cause changes of payables, the system will automatically generate a corresponding change record for the business doc.

Then process it in A/P process.

Support Refund Note (A/P) to start dishonor.

➤ Cash Transfer Doc

Support cash transfer businesses within one organization.

➤ Capital Transfer Doc supports cash transfer.

Support cash transfer among different organizations.

➤ Cash Purchase Forex

Support cash purchase forex in different currencies.

➤ Adjustment Doc in Internal Account

Support two doc types: Payment adjustment doc of internal account and Collection adjustment doc of internal account.

- Purchase order (prepayment) supports multiple advance collections and multiple receipts and refunds.
- Sales order (advance collection) supports multiple prepayments and multiple delivery and refunds.

9. Cash Counting

- Support cash counting by settlement organizations.
- The system automatically calculates the cash gain or loss amount.

10. Bank Deposit Reconciliation

- Bank statement can be entered with the following methods:
 - Create a Bank Statement manually.
 - Import a Bank Statement through a template.
 - Directly import Bank Statement using files in Excel or CSV format provided by the bank. The system presets statements of 11 domestic banks, which can be directly imported for use. If the format of the bank accounts changes, users can also customize other corresponding import scheme.
- For users with permission of reconciliation of a bank account, the system supports to acquire the bank deposit journal of these bank account acrossing settlement organizations.
- The system supports auto mass reconciliation of multi-account and multi-currency.
- The system automatically issue Bank Deposit Reconciliation Statement, and support double click to check outstanding item details of both the enterprise and the bank.

11. Month-end Handling

- Support to generate transaction vouchers and G/L vouchers.
- Support to close the account on any date; allow daily balance, weekly balance and monthly balance.
- Cashier Month-end Reconciliation
 - Access data of journal in Cashier module and bank and cash accounts in G/L

module for the reconciliation.

- Support to query detailed reconciliation in an association manner..

Support auto reconciliation and manual reconciliation.

12. Journal

- The system automatically registers the cash journal.

- The system automatically registers the bank journal.

- Support manual journal.

Support to create a new manual journal.

Support to generate a manual journal through review bookkeeping of G/L vouchers.

Support to generate a manual journal through importing vouchers from G/L module.

13. Report Analysis

- Provide standard Daily Cash Report and Daily Bank Deposit Report, and support to query multi-date data for trend analysis.

- Provide Cash Book and Bank Deposit Journal, helping the enterprise to better know the payments details of cash and deposits at any time.

- Provide Capital Position Sheet, support to control the enterprise's capital position at any time point.

- Support both report analysis of external bank account and report analysis of internal account in the settlement organization.

- Support to display the journal by collection/payment organization.

- Provide "Bills Receivable Using Slip", support to query the use details and available amount of bills receivable.

- Provide "Bills Receivable Execution Details", support to query the execution details of the bills receivable.

- Provide "Receipt/Delivery/Balance Details of Bills Receivable".

- Journals and Capital Position Sheets support summary displaying by functional currency.

- Cash Journal, Daily Cash Report and Cash Book support separate display by cash account.
- Provide Bills Payable Balance Details, support to query the balance and execution status of bills payable.

2.1.7 Capital Management

Capital management module helps enterprise to establish the platform of capital centralized management and monitoring, realize the centralized control and real-time monitoring of account and achieve the capital management module of revenue/expenditure. Through the management of revenue/expenditure, strengthen the monitoring of funds of affiliated companies, liquidize stock funds, improve capital use efficiency and use effect, reduce capital operating costs and capital risk and ensure the safety of funds. The key application features are shown below.

Support Capital Management Mode of Revenue and Expenditure in Settlement Center

Kingdee Cloud Capital Management module supports the capital management mode of revenue and expenditure in settlement center; it clearly defines the flow of current income and expenditure of member unit, prohibits direct expenditure of cash in hand, conducts effective centralized management, reduces the cost of cash ownership and accelerates the cash flow.

"Separation between Revenue and Expenditure" internal control system in capital management is created, helping to reduce risks in capital operation, thus ensuring the capital safety.

Support Settlement Center to Pay and Receive Money Centrally

Kingdee Cloud Capital Management system supports that when the settlement center receives one collection, then more than one department can settle it separately.

Or HQ of the Group customer receives one collection; the settlement unit can be more than one subsidiaries of the customer.

Support Internal Current Interest-bearing

Kingdee Cloud Capital Management module supports internal current interest-bearing, conducts detailed accounting of capital balance revenue and capital occupancy cost of each member unit, it can completely satisfy the requirements of enterprise profit evaluation.

Support Controlling Bills by the Group

Kingdee Cloud Capital Management module supports Group control of Bills Receivable, the settlement center downward the available quota of the Bills Receivable, and each member unit use external settlement of Bills Receivable within the available quota, thus reducing the running risks of bills and ensuring the security of bills.

2.1.7.1 Main Functions

1. Bank Account Management

- Support to control the revenue/expenditure properties of the bank account.
- Adopt allocation-type control policy, and support unique control of the Group.
- Support upward-transfer rules management of the bank account.

2. Internal Account Management

- Support the member units to open an internal account in the capital organization.
- Support to manage overdraft policy of internal account.

3. Benchmark Interest Rate

- Maintain the benchmark interest rate table applicable to internal current interest-bearing.

4. Interest Settlement Scheme

- Maintain the interest settlement scheme applicable to internal current interest-bearing.
- The system presets the three general schemes to settle the interests: Monthly, Quarterly and Yearly.

5. Interest-bearing Object

- Manage the interest-bearing object of internal current interest-bearing in the capital organization.
- This is a private master data, which is managed and maintained by the capital

organization.

6. Parameter Settings

- Control whether or not to control the available amount of bills receivable of the Group according to the enterprise's actual management requirements.

7. Initialization

- This depends on Cashier Management module. It will be available once the Cashier Management module is enabled.
- Enter opening balance of the internal account of Capital.

8. Upward Capital Transfer

- Support to set the scheme of upward capital transfer, the system automatically upward transfers the capital.
- Support to upward transfer of capitals manually.
- Determine the amount of each upward transfer according to the upward transfer rules of bank account.
- Support to acquire the upward-transfer capital of real-time balance of the bank account through e-banking.
- Capital upward-transfer supports direct linkage of the bank and the enterprise.

9. Downward Capital Appropriation

- Support downward-appropriation of capitals according to the money application of the member unit.
- Support manual downward-appropriation of capitals.
- Support to control the overdraft amount during the downward capital appropriation.
- Capital downward-appropriation supports direct linkage of the bank and the enterprise.

10. Collection Settlement Doc

- Support central outward collection for the capital organization.
- Support multiple settlement organizations to generate more than one collection notes, and to write off with reciprocal businesses.

- Support multiple reciprocal units to generate more than one collection notes, and to write off with reciprocal businesses.

11. Payment Settlement Doc

- Support central outward payment for the capital organization.
- Support multiple settlement organizations to generate more than one payment notes, and to write off with reciprocal businesses.
- Support multiple reciprocal units to generate more than one payment notes, and to write off with reciprocal businesses.

12. Internal Current Interest-bearing

- Support Internal Current Interest-bearing
- Support deposit interest.
- Support overdraft interest.

13. Controls of Bills Receivable

- Support that the settlement center downward appropriates the available amount of bills receivable.
- Support to use external settlement of Bills Receivable within the available quota.

14. Bank Credit

- Support bank credit contracts management.
- Support bank credit loans management.
- Support to handle the repayment of principal and interest of due bank loans.
- Support to accrue the interest.

15. Report Analysis

- Provide "Statistical Table of Internal Interests", to make statistics of details of deposit interest and overdraft interest in any time period.
- All statements and reports in Cashier Management module support statistics and analysis of capital conditions of internal account in the capital organization.

14. Support Monopolized Revenue and Expenditure Mode in Settlement Center

- In Cashier Management system parameters, if the type of internal account is selected as "Open under Capital Org.", then the mode of internal account of

capital is available for the collection or payment note.

15. Support Interest-bearing of Internal Account (Open under Collection/Payment Org.)

- The object of interest-bearing can be an internal account opened under the collection/payment organization.
- Support to calculate interest of object in internal account (opened under collection/payment org.).

2.1.8 e-Banking

e-Banking system directly connects the enterprise with the bank. With Kingdee Cloud e-Banking system, the enterprise can directly submit to or query from the e-Banking system in the bank. That means the enterprise can directly approve the payments in Kingdee Cloud system and transfer it to the bank to pay, and as well the enterprise can download the transaction details and electronic bank statement from the bank and query the bank account balance.

2.1.8.1 Main Functions

1. Parameter Settings

- Support to set the corresponding bank-enterprise server address by the settlement org.
- Set that whether a dynamic password is required when submitting to the bank for payments based on the management requirements of the enterprise.
- To submit to the bank, the dynamic password or the payment QR code can be acquired through "Palm Capital" light APP.
- The single payment amount of the mobile payment note should not be greater than.

2. Daily Operations Process

e-Banking realizes direct connection of the enterprise and the bank, supporting cashiers directly transfer the approved payments to the bank through Kingdee Cloud system and download electronic bank statement.

- Submit Payment Note to the bank for the payment.

Directly submit the Payment Note of Cashier Management module to the bank, and support to verify with SMS dynamic password.

Sync the bank processing status of Payment Note.

Support three payment types: Common Pay, Salary Pay, Bank Agency. Apply different interfaces according to the payment type when submitting to the bank.

- Submit Refund Note (A/R) to the bank for the refund.

Directly submit the Refund Note (A/R) of Cashier Management module to the bank, and support to verify with SMS dynamic password.

Sync the bank processing status of Refund Note (A/R).

- Submit Bank Transfer to the bank for processing.

Bank transfer doc in Cashier Management module can be directly submitted to the bank for internal transfer.

Sync the bank processing status of Bank Transfer doc.

- Submit Upward Capital Transfer to the bank for processing.

Upward Capital Transfer in Capital Management module can be directly submitted to the bank for the upward transfer.

Sync the bank processing status of Upward Capital Transfer.

- Submit Downward Capital Appropriation to the bank for processing.

Downward Capital Appropriation in Capital Management module can be directly submitted to the bank for the downward appropriation.

Sync the bank processing status of Downward Capital Appropriation.

- Acquire the real-time balance from e-Banking for upward transfer.

Capital Management module supports to directly acquire the real-time balance of the bank account from e-Banking for upward transfer.

- Download Bank Statement

Support to download the corresponding bank statement directly from Cashier Management module.

3. e-Banking Query

- Query transaction records details of the bank account in a real-time manner.

- Support querying bank account balance in a real-time manner.
- When querying balance of multiple accounts, this function supports to call interface of mass balance query.

4. Submit-to-bank

- When it is failed to submit the Payment Note to the bank, the system supports to cancel the submission and de-approve the Payment Note.

2.1.9 Expense Reimbursement

Expense Reimbursement module provides complete reimbursement process to the staff and financial personnel of the enterprise, including application, refunding, and secondary allocation and transferring businesses. Seamlessly integrating with Cashier and A/P modules, this module provides fine personal reciprocity management, helping to make reasonable overall planning of enterprise's expenses, to avoid any unnecessary waste and expenditure.

2.1.9.1 Main Functions

1. Initialization

Before starting using the Kingdee Cloud for routine businesses, users have to first set the enabling date for the expense reimbursement application organization, and then collate and input the historical loan balance that not refunded before the system go-live, and finally end the initialization operation.

2. Expense Application

- Expenses applications and business travel loan applications are seamlessly integrated with Cashier Management module, the loan application will automatically generates a Payment Requisition, and quickly generate an Expense Loan Payment Note.
- Support generating Expense Reimbursement from Loan Requisition, providing the following generation methods: one-to-more, more-to-one and more-to-more are supported.

3. Expense Reimbursement

- Such reimbursements as expenses and business travel expenses are seamlessly integrated with A/P module, and the Reimbursement Doc can sync generate Other Payables.
- The payment amount confirmed by the Reimbursement Doc will automatically generate a Payment Requisition.
- Support cross-org. expenses allocation.
- Support reimbursement of common invoice and VAT.
- Support to refund the loaned money.
- Support to display requisition or reimbursement doc of "My Dept" or "Myself", to avoid any mis operations.
- Support to pay the reimbursement expenses for external organizations on account.

4. Expenses Transfer

- Support the secondary transfer of reimbursed expenses. Support expense transfer crossing accounting organizations, business organizations, reciprocal units and expense items.
- For the confirmed expenses to be reimbursed, it can be transferred to other actual expense bearing object in any period in the future as required.
- For the applied expenses but not received the invoice and the allocation and transferring of the expenses have already occurred, users can first transfer the expenses and then make reimbursement after receiving the invoice.

5. Write-off Management

- The system automatically processes the write-off of associated historical loan balance and expense (travel business) loan.
- Support manual write-off, allow to filter the two write-off parties.
- Support to customize write-off scheme.

- Support tolerance write-off of docs those cannot be written off normally, and generate Tolerance Write-off doc.

9. Month-end Handling

- Support to generate vouchers by the voucher template.
- Support to close the account on any date.
- Support de-closing.

10. Report Analysis

Provide reports related with loan, including Loan Tracking Table, Loan Age Analysis and Due Loan Alarm Analysis.

Provide reports related with expenses, including Expense Reimbursement Tracking Table and Expenses Summary Analysis.

2.1.10 Reports

Financial report platform is based on class Excel report editor, by quick report wizard and flexible data access formula, it can help users prepare accurately the external accounting statements and all types of financial management reports of the enterprise.

2.1.10.1 Main Functions

1. Basic Settings

To apply the report system, users have to maintain the following master data:

- Report Item
- Item Data Type
- Unit of Amount

To ensure the analyzability of reports, each index data in the report should be structured to save; otherwise, all the report items in the report should be collated and maintained uniquely.

2. Report Template Management

This is used to standardize the report preparation and to unify the report template; provide report templates compliance with the new enterprise accounting standards.

- Multi-org. report templates are managed in an unique platform, which are

allowed to be shared with other organizations.

- Provide management of template style solutions, allowing setting the report style, report data access function and iteming formula with one operation.

3. Report Management

According to the report template, reports of each period can be quickly generated manually or automatically.

- Support to set and check the intra-reports cross-check rules, and to check inter-reports cross-check rules.
- Provide an auto report generation scheme; according to this scheme, the system will automatically generate a report of the current period or of last period.
- Provide "Rounding Balance" function; reports in unit of "Yuan (in thousand)" or "Yuan (in ten thousand)" can be quickly generated automatically.
- Provide cell item formula, ensuring the structured database storage of report data.

4. Inter-reports Cross-check

In order to ensure the flexibility of the data check, the system provides definition and allocation of inter-reports cross-check.

Inter-reports cross-check is to check the correctness of report item data (structured saved) by setting comparison formula among report items. Since the report item can be referenced by more than one report, this function is more widely used in inter-reports cross-check.

5. Customized Reports

Provide customized reports, to meet the requirements of analyzing the temporary reports.

6. Report Access Function

Provide data access functions, like ACCT and ACCTCASH, and users can access data from systems of FI, Reports and Consolidated Statement.

7. Query of Report Item Data

Users are allowed to quickly filter without opening the report, to simply analyze the report data.

8. Report Data Authorization

Support to enable report data authorization management for different financial accounting systems.

Allow to control user operation permissions of specific reports, according to the data permission of the report template set by the role/user and permissions of report functions.

2.1.11 Consolidated Statement

Based on the financial accounting system, the Consolidated Statement module is used to help the group enterprise to build and standardize the external consolidated financial report and the internal management report system, easily and quickly completing the individuals acquisition and adjustment of each subsidiary, automatic offset of internal accounting matters and parallel issue of multi-caliber consolidated statement. This module fully meets the requirements of consolidating statements in various dimensions and various consolidation methods of corporate organizational structure and responsibility center's organizational structure, to timely, truly and accurately reflect the whole operation status of the Group.

2.1.11.1 Main Functions

1. Basic Settings

For the related basic settings of Consolidated Statement module, please refer to the contents below.

- Report item: The most basic element and data carrier for the whole Consolidated Statement module, all the report data are reflected and saved by the specific report item.
- Item data access type: Used to identify the data type, like: Month-end Qty, BoY Qty, Current Incurred, Last Period Qty and etc.
- Unit of amount: Used to identify the rounding balance of the report.
- Offset type: Classifications of offset businesses.
- Transaction type: Divide transaction offset into multiple transaction types.
- Report dimension: Dimensions management of multi-dimensional dynamic

lists.

2. Consolidation Preparation

Before preparing reports of each period, the following work should be done in advance.

- Equity relationship: Maintain one by one according to the actual shareholding ratios of the investment company and the invested company in the Group.
- Consolidation scheme: Unify accounting policies based on the financial accounting system, to determine the organizations to be consolidated in the report structure and the consolidation level.
- Item Cross-check Rule Assignment: Formula definition based on report item cross-check, and allocation for organizations to be checked.
- Adjustment entry template and offset entry template: Uniformly maintain the templates of adjustment entry and the offset entry according to the adjustment category/offset category.

3. Preparation for Conversion

- Foreign currency conversion method: Centralized management of foreign currency conversion methods, allowing enterprises to customize the conversion method according to their own requirements. Presets: Closing Rate, Average Rate and Historical Rate.
- Foreign currency conversion scheme of item: According to the scheme management, adopting different conversion methods for different items.
- Item changing record: For report items converted with the historical exchange rate, users have to maintain the item's each variation amount and currency.

4. Report Template

Used to manage the individual report preparation template, Group working paper, summary report and consolidated statement template of the subordinate holding company.

- Template style scheme: The work of style and content definitions of the report template will be done out of the report editor. Improve the utilization rate of the report template scheme.

- Individual statement template: It is suggested that one report contains one set of real business reports; one report can contain sheets with both fixed and dynamic list.
- Offset table template: To prepare report template recording investments, reciprocal businesses and trading records within the Group.
- Consolidated statement template: Include template management of summary report, working paper and consolidated statement in the level of Group.

5. Consolidation Control

It is a wizard-like consolidation control management. This is a management interface, which can be used to clearly prepare a consolidated statement of a period through the process wizard-like menu from top to bottom.

- Consolidation structure: Query of the current consolidation structure.
- Shareholding ratio:
- Individual statement preparation progress monitor: Monitor the report preparations and reporting conditions of subordinate companies and sub-Group.
- Receive report: Mass receive Individual Statements and Offset Tables reported by the subordinate companies.
- Check report: Mass check Individual Statements reported by the subordinate companies.
- Convert foreign currency: Mass convert the reports with foreign currencies.
- Adjustment entry: Support to query the adjustment entry before the report. For the reported Individual Statements, the Group adjusts them centrally. Support to automatically generate the equity adjustment entry. Support to mass generates adjustment entries according to the entry template.
- Adjustment report: If the received Individual Statement is adjusted according to the actual requirements, the system will automatically update the adjustment entry to the report. Allow manual adjustments according to the system parameter:

- Query and review: Support to query and review the reciprocals, and auto generates offset entries; support to query the internal transactions, internal equity and other queries in customized types and auto generates offset entries.
- Offset entry: Support manual and mass auto generation of offset entries.
- Re-calculate report: Mass re-calculate the adjustment reports, working paper, summary report and consolidated statement.
- Summary report: Preparation of summary reports, support to summarize reports with both styles of fixed and dynamic.
- Working paper: Preparation of working papers, support whether or not to display auto access process of adjustment quantity.
- Consolidated statement: Preparation of consolidated statements.
- End of year carry-forward: Support to carry forward the month-end quantity at the end of the year to the quantity at the beginning of the next year.

6. Consolidated Statement Data Authorization

Support to set data permissions of consolidation ranges for different users. Together with function permissions of each kind of report, users can control the operation permissions of reports within a specific consolidation range.

2.1.12 Amoeba Report

Now, many enterprises not only keep on eye on profit data at the organization level, but also the profits created from key departments during the profit appraisal. Amoeba report is designed to meet this kind of appraisal requirements. Through creating the Amoeba system, to determine the source-target relationship of each Amoeba unit and between units, and through defining Amoeba report template, users can prepare and deliver profit center reports and other related reports of each period, like Dept Profit Report, Revenue Details, Cost Details and etc. The appraisal data in each profit center can be sourced from docs, master data and reports of business systems, which will be reflected by the customized function.

2.1.12.1 Main Functions

➤ Amoeba System Settings

Support that in one accounting system, Amoeba system can be set across organizations, it can be set as multi-layer structure, one Amoeba corresponds to one or more departments or cost centers, and source-target relationship can be set.

➤ Settlement Price List

Support to set service or material price list, material type supports that auxiliary property can be involved in the price list settings, and users can import data from "Price List of Inter-org. Settlement", and set more than one sets of price lists.

➤ Internal Settlement Doc

Add docs of "Internal Settlement Doc" and "Service Fee Transfer", used to process the internal expenses settlement relationships between Amoeba. This doc needn't financial process, and it is one of the source doc of each Amoeba data.

➤ Customized Data Access Platform

Provide customized functions, supporting to acquire data of docs, reports and master date from business modules.

Support to set access formula for combination of report item and item data type, helping to quickly define the data access formula required by the report template.

➤ Report Management in Level of Profit Center

Provide the unique platform management of report templates in level of profit center, allowing users to share templates with other profit centers.

According to the report template in profit center, reports of each period in level of profit center can be quickly generated manually or automatically.

Add "Amoeba Summary", using to view report detailed and summary data of each period under different report template of each Amoeba, and to provide simple and common report analysis.

➤ Query of Report Item Data in Level of Profit Center

Users are allowed to quickly filter without opening the report, to simply analyze the report data in level of profit center.

➤ Report Access Function

Add such data access functions as AMBITEM and AMBDYNAMICITEM, using to acquire the report data in level of profit center.

Add "AMBJSJM()" function for price list, using to acquire the price data of materials already set auxiliary property.

Add "AMBACCT () " function for account access, using to acquire the account data already set department accounting dimension.

2.1.13 Inventory Accounting

2.1.13.1 Main Functions

1. Work before accounting:

- Before enabling the Inventory Accounting module, you should first maintain such master data as accounting policy and FAS.
- If the Inventory Accounting is required to support accounting sub items according to expense items, then this should be set in the master data of accounting policy.

2. Basic Settings

- Accounting Scope

Under general accounting dimensions of "Accounting System+Accounting Org.+Accounting Policy", the accounting scopes can be set by different criterion, like goods owner, inventory org., warehouse, goods owner+inventory org. and goods owner+warehouse. Each accounting scope has its own pricing method, for example: Weighted Average, Moving Average and FIFO. Support to add new goods owner, inventory org. and warehouse within the original accounting scope, thus ensuring the inventory cost accounting data range covers the new business org. and the warehouse.

- Material's Pricing Method

Within each accounting range, inventories can have different pricing methods (like Weighted Average, Moving Average and FIFO) according to the the following three

criterion: by single material, by inventory category and by material property. Priority of price accessing for material's pricing method during the inventory accounting: One Material -> Inventory Category -> Material Property -> Accounting Scope.

➤ Individual Pricing Method

First set factors affected the costs under Material Dimensions tab in Master Data, like warehouse, bin, lot number, BOM version and auxiliary properties, and then material accounting with individual pricing method can be realized considering the corresponding pricing method of the material in inventory accounting.

➤ Change of Material's Pricing Method

The system supports to change the pricing method, setting basis: By single material, By material property and By inventory type.

➤ Settings of Residual Ratio of Returned Material

Application scenario: Materials are damaged during the production process because of operations and need to be returned, and residual value of this defective material should be calculated according to the original delivery costs and the residual ratio for inventory costs management.

➤ System Parameters Settings

The selection of the system parameter will directly influence the cost accounting result and the related controls. When setting the system parameters, the organization and the accounting policy should be selected. System parameters are divided into: Basic Info, Inventory Accounting, and Product Cost Accounting.

Basic Info

1. Carry forward the detailed accounting process data at the end of month.
2. Do not update the balance after cost maintenance in "Accounting Doc Query".
3. Allow to close with negative inventory.

4. Background parameter: Allow closing if zero-cost exist at the end of month.
5. Set accounting time.

Inventory Accounting

1. Variance generated from write-off between Doc Payables and Invoice will be included into inventory cost.
2. Automatically run receipt cost accounting on approving Purchase Payable.
3. Allow closing when the costs in docs of gifts, defectives and scraps are 0.
4. Purchase Receipt Adjustment generates Delivery Cost Adjustment.
5. Do not backfill the doc list cost after the accounting.
6. Mass accounting zero cost docs of Assembly and Disassembly Order after the accounting completed.
7. Sorting method of accounting dates.

Product Cost Accounting

1. Auto estimation of nesting material's cost.
2. Joint-consumed materials will not be involved in the allocation.
3. Background parameter: Auto generate BoP WIP adjustment doc during month-end closing
4. Standard for calculating by-product material cost.
5. Source of main/co-/by-product.
6. Data source of workshop input/output.

3. Initialization

- Enable Inventory Accounting module: Determine the enabling FP of Inventory Accounting module.

- Input initial accounting data: Maintain the initial balance of inventory accounting.
- Initialize inventory accounting: End the initialization of Inventory Accounting module.

4. Receipt Accounting

It is used to account the inventory costs of each receipt business, since different types of receipt have different accounting features. For example: the cost of purchase receipt should be calculated based on the amount on cross-checked Purchase Payables and also should be included in the purchase expenses on Expense Payables; the material costs of subcontract receipt should be calculated based on the product's cost accounting, but the processing fee is calculated through cross checking Subcontract Receipt and Doc Payable.

5. Delivery Accounting

Delivery accounting is run based on the pricing method of inventory, within the accounting scope and scopes of participated accounting businesses, the delivery costs are calculated by the receipt costs. The following methods are supported: Weighted Average, Moving Average and FIFO, and the individual pricing methods under these three methods.

6. Scheduled Accounting

Support scheduled accounting. Through setting the time of delivery accounting, the system will automatically run the delivery accounting at the scheduled time.

7. Other Inventory Accounting

For some special businesses, like inventory status conversion, form conversion, Assembly and Disassembly and lot adjustment, the receipt cost accounting is executed together with the delivery accounting. Support to query the costs of special businesses and to edit the costs.

8. Cost Adjustment

Cost Adjustment doc is mainly used to adjust the delivery/receipt costs in previous periods, thus adjusting the inventory cost balance.

9. Report Analysis

The system provides statistical analysis of reports after the inventory cost accounting, helping users to locate, track and analyze the problems. Main reports are:

- Query of Accounting Doc: Support to query and edit the docs involved in the accounting; support summarized query by goods owners and doc types, but the transfer docs within the organization will not be included for the query.
- Inventory Accounting Summary Report: Display whether the material's cost accounting is succeeded, and support to query the detailed report and error log in an association manner.
- Inventory Accounting Details Report: Used to record the detailed calculation process of materials' cost accounting.
- Inventory Receipt/Delivery/Balance Summary: Support to query "Inventory Receipt/Delivery/Balance Details" in an association manner.
- Inventory Receipt/Delivery/Balance Summary (By Date): Query the balance of the inventory by date.
- Inventory Receipt/Delivery/Balance Details: Support to query data in both dimensions of inventory management and accounting, and also to query inventory docs in an association manner.
- Inventory Receipt/Delivery/Balance Details (Cross Dimensions): Support to display details of inventory receipt and delivery by the sequential order of business docs.
- Abnormal Balance Summary: Support to display the abnormal balance of cost accounting, and support to automatically generate a Cost Adjustment doc for the abnormal balance to adjust the balance at the end of the month.
- Accounting Doc Cost Comparison Analysis: Support comparison cost analysis of accounting docs in different accounting systems.
- Product Dimensional Profit Analysis: Support to analyze profits in the view of product.
- Miscellaneous Delivery/Receipt Details: Support to query details of

miscellaneous delivery/receipt docs in other periods, and support grouping summary.

- Receipt Cross-check Summary: Support to solve the Reconciliation issues of the receipt cost and the payables estimation.
- Receipt Cross-check Details: Support to view cross-check conditions in the view of receipt docs.
- Production Materials Issue Details: Support to query issue details of materials for both common and simple production in different periods, and support grouping summary.
- Purchase Details: Support to query purchase details in different periods, and support grouping summary.
- Sales Details: Support to query sales details in different periods, and support grouping summary.
- Subcontracted Material Issue Details: Support to query issue details of subcontracted materials in different periods, and support grouping summary.
- Inventory Changes Summary: Support to horizontally display inventory changes by inventory business types.

10. Real-time Cost

Select the FAS to be enabled the real-time costs under this accounting policy. It is suggested to select the default accounting system to enable. After enabling the real-time costs, the real-time costs of the doc will be calculated by the method of moving average. This is applicable to the trading companies or sales organizations which are more sensitive to the costs data.

11. Month-end Handling

Month-end handling contains month-end locking and month-end closing. The first one is mainly used to control not to change the business data before the locking date, to ensure the data stable for cost accounting; and the second one is mainly used to close the financial account, meaning to close the current FP and to enable the next FP. The

system provides a logic control that the accounting date is later than the account locking date of inventory accounting, and during the official closing; users have to follow this process: Close Account -> Cost Accounting -> Closing Process; otherwise, the period is not allowed to be closed.

12. Cloud Patrol Inspection of Business

With content settings of patrol inspection, users can check problems in advance, thus ensuring the accounting and closing can be performed smoothly.

13. Cost Monitoring

"Cost monitoring" helps customers to create target value of cost price and embedded it into the business doc, to implement monitor, alert and analysis, helping financial persons to realize the control target of the costs.

2.1.14 Product Cost Accounting

2.1.14.1 Main Functions

1. Pre-work:

- Inventory Accounting module should be enabled first.

2. Basic Settings

- Operation Activity

If the enterprise has auxiliary production department, users can set services or labors provided by the auxiliary production department, that's operation activity.

- Cost Center

Cost centers are created by department, and the properties of cost center should correspond to department properties. The relationship between the department and cost center is more-to-one, except the basic production department properties. In subsequent version, this function will support to set cost centers by work centers of the workshop.

➤ Product Group

Product group is created by accounting system and accounting organization, mainly used to divide bearing object group for expenses allocation, and also can be used to divide and determine the product combination of main/co-/by-products or graded products, supporting cost accounting of main/co-/by-products and graded products. By default, the division basis under "Accounting System+Accounting Org." is other product group, support to allocate expenses by joint-consumed materials.

➤ Expenses Allocation Standard

Expenses allocation standard is an expenses allocation method, the system presets some common and special standards, and also supports users to customize standard as required to meet personalized requirements.

➤ Quota Factor

Quota factors are some specific factors considered when calculating expenses allocation weight, like product's unit volume, unit weight, standard work hour per unit, standard cost per unit and etc.

➤ Cost Item

Refers to some cost components collected by a certain use purpose, like direct materials, direct labor, manufacturing expenses and etc. Support to customize.

➤ Matching Scheme for Cost Items

This is a correspondence relationship between expenses and cost items created by expense type, expense item and cost center properties, using to collect expenses by cost items in the process of costing.

Support to set matching scheme separately by the accounting organization.

➤ Material Cost Item Settings

Support to set cost items by materials.

3. Initialization

- Enable Product Cost Accounting module: Determine the enabling FP of Product Cost Accounting module. The enabling FP of product cost accounting can be later than or equal to the enabled FP of Inventory Accounting module, but it must be equal to the current FP of Inventory Accounting module.
- Input BoP WIP Cost: Used to maintain Bop WIP balance, to ensure the continuity of the cost data. Types of simple production and repetitive production businesses support manual maintenance; and since the common production and subcontract production involve orders, the system supports mass import
- Initialize Product Cost Accounting: Lock BoP WIP cost data and do not allow changing it. Write BoP WIP costs into the background BoP WIP Balance Sheet.
- Adjust BoP WIP costs: Support to adjust EoP WIP costs in last period, especially for some abnormal balance of EoP WIP, for example, the work order is completed, but EoP WIP quantity or amount still exists. Support account processing.

4. Allocation Standard Settings

"Allocation Standard Settings" is used to determine the allocation standard adopted by the expense in each cost center, including: expense allocation standard settings, classification allocation standard settings, and WIP allocation standard settings.

- Expense Allocation Standard Settings: Support three types of expenses allocation: Expenses allocation in non-production cost center, Expenses allocation in auxiliary production cost center and Expenses allocation in basic production cost center. The allocation order is: Non-production cost center -> Auxiliary production cost center -> Basic production cost center.
- Classification Allocation Standard Settings: Set costs allocation standards for main/co-/by-products or graded products; support to set different allocation standards for different accounting policies.
- WIP Allocation Standard Settings: Set expenses allocation standard of costs of

finished and EoP WIP products. Support three allocation standards: Do not calculate EoP WIP costs, Allocate by finished quantity and Allocate by equivalent production units.

5. Maintenance of Allocation Standard Value

Maintain the weights value of expenses allocation standard, classification allocation standard and WIP allocation standard, including actual work hours collection, operation quantity maintenance, customized expense allocation standard value maintenance, equivalent coefficient maintenance and by-product norm cost maintenance.

- Actual Work Hours Collection: Collect actual work hours data from Production Report in a real-time manner, and also support manual maintenance and importing from the externals.
- Operation Qty Maintenance: Used to allocate expenses in auxiliary production cost center to each benefited cost center. Data source can be acquired manually, and also can be automatically generated by applying the expenses allocation standard.
- Customized Expense Allocation Standard Value Maintenance: Allow to maintain the weights value of the allocation standard manually created by the user, thus supporting "Expenses Allocation" to calculate the allocation rate by the customized expenses allocation standard value.
- Equivalent Coefficient Maintenance:
- Maintenance of Norm Cost of By-product:

6. Output Collection

"Output Collection" is used to determine the related output data of expense allocation and costing in current period, including: input quantity collection, finished receipt quantity, WIP count quantity input, and input-output table.

7. Expenses Collection

Before the costing, all expenses should be collected, include direct expenses and indirect expenses. Expenses can be divided into: Production expenses, Material consumption expenses and Subcontract expenses.

- Expenses import scheme: Set data access interface, like G/L, A/R and A/P, FA and Payroll Management; and also support to access data from customized form.
- Execute expenses import: Execute the import according to the production expenses import scheme.
- Expenses collection: Make statistics of non-material expenses data. Support: Import from a unique interface, Import from the external and Create manually.
- Query of material consumption costs: It is automatically collected during the approval of Material Delivery doc, and the costs data can be queried after delivery costs accounting. Provide application features for joint-consumed materials: Add parameter on doc body of Other Delivery: Involved in the expenses allocation, it is checked by default, and users can also set it not to be involved in the joint-consumed materials allocation, instead that to allocate expenses by expense items through importing expense account from G/L module.
- Query of subcontract expenses: Make statistics of process expenses of Subcontract Receipt doc, and the data sourced from Doc Payable in type of standard subcontract.

8. Product Cost Accounting

- Costing: In the aspect of functions, based on the business-driven cost accounting and management mode, this function supports the following four types of cost accounting: Simple Production, Repetitive Production, Common Production and Subcontract Production; and in the aspect of application operations, the functions of validity check, expenses allocation and product cost accounting are integrated into a wizard interface, which can be executed by

items, indicating that if you only want to perform expenses allocation, just select "Expenses Allocation" tab to execute, or you can execute all with one click.

- Validity check report: The report displays all the check results during the whole calculation process, and also [provides reason analysis and operation suggestions for invalid check items, helping users to accurately locate and solve the problem, thus ensuring the accuracy of the costing.

9. Report Analysis

The system already provides some required costing statistics reports and some common analysis reports, and other reports with common application values will be added in subsequent versions.

- Expenses Allocation Details: Query the allocation results of non material expenses, like salary, depreciation expense, water and electricity bills. Support the summary query by cost center, work order and the source doc.
- Material Expenses Allocation Details: Query allocation results of material expenses. Support the summary query by cost center, work order and the source doc.
- Costing Sheet: Make statistics of detailed cost data of inputs, finished and WIP products at the end of month by the work order and product.
- Costing Sheet (Horizontal Displaying): Horizontally display input and output costs by cost items.
- Workshop Costing Sheet: When "Cross-workshop ABC" is enabled, MO with operation tracking displays inputs and outputs costs according to each process workshop.
- Query Cost of Finished Receipt: Make statistics of cost data of production receipt and simple production receipt.
- Sales Order Cost Tracking Table: Query the cost execution status of started MO of Sales Order.
- Sales Order Profit Analysis Report: Make statistics and allocations of gross

profit and net profit of product in the view of Sales Order.

- Comparative Analysis of Product Period Cost: Provide variance analysis of actual cost of the product per unit in one period or in continuous periods.
- Comparative Analysis of Product Cost Restoration: Provide variance analysis of the restored actual costs of the product per unit in one period or in continuous periods.
- Product Dimensional Profit Analysis: Provide product sales profit analysis, support analyzing by products, customers, sellers and sales departments.

2.1.15 Standard Cost Analysis

2.1.15.1 Main Functions

1. Pre-work:

- Inventory Accounting module should be enabled first.

2. Master Data

- Standard Cost Version Settings

Standard cost version refers to the version number of the standard cost made by the enterprise, each version can be set from different angles and with different factors influences costs. Support to apply more than one version at the same time, and the enterprise can select one of the version for cost analysis.

- Standard Price List for Purchased Materials

Maintain the standard price of purchased materials, support mass maintenance of material's reference costs, BoP balance price, the latest receipt price and the latest purchase order price.

- Cost BOM Settings

Used to set the cost BOM of subcontracted and self-made products, support to mass generate the cost BOM from BOM.

- Maintain Standard Work Hour

Maintain the standard work hour of product per unit, like labor setup hours, labor operation work hours, machine setup hours, machine operation work hours, using to calculate the product's standard expenses with standard work hour expense rate. Future expansion: Make standard work hours according to the routing.

- Maintain Standard Work Hour

Maintain the standard work hour rate of product per unit, using to calculate the product's standard expenses rate with standard work hours. Future expansion: Make work hour rate according to the cost center.

- Subcontract Price List

Maintain the standard processing U/P of subcontracted products.

3. Standard Cost Rollup

"Standard Cost Rollup" refers to calculate the standard costs of the product according to BOM levels and product's cost BOM, standard work hours and standard expense rate.

Support rollup of all or partial materials; support standard costing of self-made and subcontracted products; support to calculate the standard costs of co-/by-products; provide standard cost rollup validity check report.

4. Report Analysis

"Standard Cost Analysis" provides Product Standard Cost Query, Product Standard Cost Multi-level Query and Product Cost Variance Analysis.

- Query Standard Cost of Product: Query product's standard costs; support the query of structure of detailed costs.
- Multi-level Query of Product Standard Cost: Support multi-level query of product's standard costs by cost BOM.
- Product Cost Variance Analysis: Support variance analysis of average actual costs and standard costs per unit in one period or in continuous periods.

2.1.16 Fixed Assets

2.1.16.1 Main Functions

Business scopes of this module: Support whole life cycle management and value management of assets, including assets requisition, purchase, receipt, pickup, assets tag creation, assets transfer, assets borrowing, assets disposal, depreciation, assets counting and account process. The main functions include:

1. Application basis:

Before applying FA module, you have to set and maintain the following master data:

- Assets Business Entrustment Relationship
- Assets Category
- Assets Status
- Variation Mode
- Assets Location
- Depreciation Policy

Set related depreciation data in different assets categories in Master Data - Accounting Policy in FI system.

2. Assets Requisition Doc:

This doc data is used for approval, the following contents should be listed: purpose of the requested assets, specific requirements, requested by and the requisition department. The assets management department can schedule whether to purchase, transfer or pick from inventory according to different requested materials.

3. Assets Tag

Assets tag is a form of SOB to perform subledger accounting. The assets tag should record the following information: such real assets information as category, No., name, specifications and models; such financial information as year/date, registered date, original value, estimated service life and depreciation rate; such use and allocation information as storage location, use department and depreciation expenses allocation;

maintenance information and whether the assets are stopped, sold, transferred and scrapped or not.

4. Assets Disposal

Assets Disposal Doc is used to record such businesses of assets as scrap, sales and damage of inventory loss. When users want to clear, resell or loss damage the assets, the assets administrator will create an Assets Disposal doc, submit it for approval and update the tag information after the approval, and the financial person will handle the accounts.

5. Assets Change

This is used to record the changes of assets.

6. Assets Borrowing

This is used to record the borrowing and lending of assets among business organizations or departments, helping users to better track and manage the assets.

7. Assets Transfer

In the Group, the assets often transfer from one assets org. to another or from one goods owner to another. This doc is used to handle this kind of assets transfer.

8. Assets Application

After a business org. and an employee request the assets, they can pickup the assets according to the arrangement of assets management department. This doc is used to record related assets pickup information.

9. Calculate Depreciation

This function is a very important business in financial accounting. The main feature of fixed assets is to keep the original real assets form in more than one continuous production periods, and the loss of the fixed assets will be gradually transferred to the products, this part of value transferred to the product cost is FA depreciation.

10. Assets Counting

The enterprise always executes a comprehensive assets accounting in a fixed period, like in the middle of the year or at the end of the year.

The scope of the assets inspection: Land, house and buildings, general equipment, special equipment and transportation facilities. During the assets counting and

inspection, the following detailed information should be recorded: assets category, code, name, quantity, users and location. The secondary counting may required after the first counting, in order to improve the accuracy of the accounting result.

2.1.17 Budget Management

2.1.17.1 Main Functions

1、 System Parameters Settings

Enable budget control.

2、 Basic Settings

➤ **Budget Organization Structure**

Determine the budget preparation unit (department) according to the main body of the budget and the control object. Budget organization can be composed of business organization or its subordinated department. Support allocation-type or shared department, and the budget organization can be selected repeatedly in different levels of organizations.

➤ **Budget Calendar**

Through defining the budget cycle, the uniform of each budget entity of all budgets in cycle dimensions can be ensured.

Support to create a budget calendar based on the accounting calendar; same as the accounting calendar, more than one set of budget calendars are supported, in order to meet different management requirements in different FP against different accounting systems.

➤ **Budget Business Type**

Use budget business type as a master data, to prepare and control the budgets in classification manner, like expenses budget and expenses expenditure budget.

➤ **Item Data Type**

Share data with Report and Consolidated Statements modules. Like: Budget Amount.

➤ Budget Dimension

Dimensions of the budget preparation and control. Support the budget dimensions to come from any master data and auxiliary data.

The enterprise can create new customized budget dimensions according to their own requirements of budget preparations and controls.

3、 Budget Scheme

➤ Budget Scheme

Budget scheme is a main tool to unify the Group's budget policy and standardize the budget preparation content.

With a budget scheme, under one budget calendar dimension, users can determine the unit (budget organization) participated in this budgeting work, and determine the start time for each unit to prepare budget reports.

One budget scheme can contain several budget cycles, and one budget scheme can contain more than one budget templates, and one or more budget organizations can be allocated to the budget scheme, which means the organization can be involved in multiple budget schemes.

➤ Budget Scheme Monitor

Based on the budget scheme, this is used to monitor the budgeting progress of each member unit, and control whether the budget can be executed, and whether the budget can be closed.

Support to mass execute and close the budget of the Group. And allow each unit to control the executions and closing of their budget based on their own work progress.

Actual business docs are only allowed to be entered in periods in "Executing" status.

4、 Budget Template

With a template style scheme, users can quickly create a new budget report template. Budget report editor, like an Excel PivoTable, is an editable multi-dimensional PivoTable. Support multi-organizational budget report, for some budgeting businesses, the system allows one functional department to complete all the budget preparation work for each

organization of the whole Group, but when the budget is executed, it will be controlled to a specific organization.

5、 Budget Preparation

➤ Query of Org. Template

Each member unit can query the budget template distributed by the Group in [Query Org. Template], and adjust it as required.

➤ Budget Preparation Platform

In "Budget Preparation Platform" function, each member unit can complete the preparation of the budget report.

6、 Budget Summary

➤ It supports preparations and approvals of periodical budget summary reports.

Function location: Budget Preparation Platform.

In the level of non-detailed budget organization, users can quickly create a new budget summary based on the budget template, and then the system will automatically acquire budget quantity data of all budget organizations and summarize the data.

➤ It also supports creations and query analysis of non-periodical budget summary reports. Function location: Budget Summary.

Based on the enterprise's own requirements of query and analysis of budget summary, users can define a budget summary template style scheme and create a new budget summary report (non periodical).

7、 Budget Adjustment

If the budget being executed and the actually incurred have variance with an essential reason, then users can adjust the budget through the budget adjustment doc.

8、 Budget Control

➤ Budget Control Rules

Managed as a master data library, the enterprise's budget control rules have nothing to do with the specific budget org. Like defining specifically which budget quantity controls the actually executed doc, and how and when to control.

Support various types of accumulated summary controls, such as Accumulated Summary Control by Period, Accumulated Summary Control by Big Budget, Summary Controls of Inner-org. Budget Dimensions and Summary Controls of Trans-Org. Budget Dimensions.

➤ Budget Control Panel

With this function, users can allocate the budget control rules to the controlled budget org. as demands.

The system provides one or more budget control rules to budget organization allocation, and also provides the function of mass allocation which means allocating a batch of budget control rules to more than one organizations at a time.

Support summary control at the level of organization.

9、 Budget Analysis

➤ Budget Execution Analysis

This is a budget execution analysis based on the budget control rule. (The budget control rule can either be used for the budget control, or only for the budget execution analysis.)

This function provides summary budget execution analysis according to the organization level.

From budget execution analysis, query budget execution details in an association manner, and query business docs in an association manner.

➤ Budget Execution Details

This is a detailed analysis of budget execution based on the budget control rule. Query list of docs actually executed by budget, query docs in an association manner.

➤ Budget Execution Analysis (Dimensional Summary)

The system provides Budget Execution Analysis (Dimensional Summary) report, under the premise of dimensional summary budget control & analysis, the execution conditions of each dimensional item and the summary execution

conditions are displayed.

➤ Cross Analysis of Budget Execution

It is a displaying of budget execution analysis in cross style.

➤ Query of Budget Data

This function is used to query the budget quantity and the budget adjustment quantity.

➤ Query available budget balance (based on controlled doc).

Simply configure the controlled doc as required, to support to query the available budget balance on the controlled doc. "Query Available Budget Balance" function provides the budget quantity, the actual execution quantity and the displaying of available budget, supporting associated query of Budget Execution Details.

➤ Budget Ranking Analysis (Homepage Card)

It is set based on the analysis and query scheme. First rank in descending order, and then TOP5 analysis objects of budget execution will be displayed.

10、 Related Contents of Workflow

➤ Support budget control at the node of workflow approval (remind when budget is over or strictly control).

➤ At the node of workflow, it supports to use the budget control result as the conditional judgment; and it supports special approval of over budget, and support special doc release when approving the workflow.

Provide circulation condition scheme management, to define budget circulation conditions for node connections and set users and roles for special approvals. Select required workflow connections for association.

➤ Support the approver to directly query and edit the budget reports when approving the workflow or the approval flow.

11、 Budget Data Access Function

➤ Provides BGdata (Access Function of Budget Qty) and SJdata (Access Function of Actual Qty), to meet the requirements of customized budget summary and

execution analysis with cross budget scheme and budget control rules. (It is suggested to prepare related reports on Financial Report Platform.)

2.2 SCMCloud

2.2.1 SCM

2.2.1.1 Main Functions

1. Data Isolation by Business Unit

Data isolation by business unit is provided for purchase, sales and inventory. After selecting this system parameter, business data of each module can be isolated by business unit, that is when "Data Isolation of Business Unit" is checked, users can open the doc list, the system will find the corresponding BR based on contact objects of users to match business units on business docs according to the corresponding business units (one or multiple) of BR. Users can only see their own groups and data of blank groups.

2.2.2 Purchase Management

Purchase management is to purchase raw material, service and equipment at the right time, with the proper price, in appropriate Qty and with good quality. In most enterprises, the cost of purchase and service exceeds labor costs and other costs, therefore, it is possible to control cost by improving purchase function.

Purchase management module is a comprehensive management system including purchase requisition, purchase order, purchase warehouse receipt and purchase material return, it can realize the effective bi-directional control and tracking of the whole process of purchase commodity and logistics to achieve a complete management of enterprise purchase business.

For manufacturing enterprises, the main business activities of purchase management include purchase demand management, purchase plan, order management and supplier management, etc, among them, order management is the core business of purchase management, and it is also the most basic business.

2.2.2.1 Main Functions

1. Purchase Basics

Purchase requisition is the internal voucher used by material using department to apply material purchasing from purchase department, the purchase department will select appropriate supplier for this purpose.

- 1) Supplier
- 2) Source List
- 3) Purchase Group and Purchaser
- 4) Purchase Terms

2. Purchase Requisition

Purchase requisition is the internal voucher used by material using department to apply material purchasing from purchase department, the purchase department will select appropriate supplier for this purpose.

System supports single-org. and cross-org. purchase requisition; meanwhile provide centralised process of purchase requisition, approval of requested qty, assessment of purchase amount and proper arrangement of source.

Key points:

1) Propose Purchase Requisition

The system supports multiple purchase requisition methods:

- MRP plan release
- Generate sales order;
- Manually create;

2) Process Purchase Requisition

The system will process purchase requisition according to different businesses:

- Requisition supports requisition process of coporate enterprise;
- Purchase requisition can merge and split purchase demand flexibly based on material, supplier and other info to satisfy centralized process demand of enterprise;
- Delivery arrangement can be conducted in advance for purchase requisition

section;

- Support price estimation of purchase requisition to facilitate budget control;
- Support material requisition management to control unreasonable purchase demand;
- Support sourcing and inquiry from Alibaba 1688.com;
- Support auto closing and manual termination of purchase requisition;
- Support purchase demand tracking management;
- Support plan confirmation and de-confirmation of purchase requisition;
- Support reservation of purchase requisition, including generating reservation, editing release and query reservation, etc.
- Support supplier quota management, provide four kinds of quota strategy: quota order priority, fixed supplier, fixed ratio and price priority; allow users to check and adjust quota calculation result.

3. Price Management

Purchase price management is the key business in purchase management, controlling reasonable price can guarantee the effective reduction of purchase cost to support sustainable operation of business. The system provides functions including price and discount management, price control, etc to provide effective cost control tools for enterprise purchase.

Key points:

1) Support Multi-dimension Settings of Price List

- Support purchase price list management of single enterprise;
- Support purchase price management of enterprise and the distribution of price list among different purchase orgs;
- It supports the pricing based on material auxiliary property;
- Support to set price list based on multiple dimensions including supplier, validity period, purchase qty, currency, etc.
- Support general price list without supplier;

2) Price Control

- Support expiry process of purchase price list;
- Auto access price by purchase order after selecting price list;
- Support mass price adjustment on purchase price list;
- System price list supports price ceiling/floor control;
- Provide purchase price control intensity, control it when saving purchase order; multiple control methods are provided.

4. Discount Management

The purchase discount can directly reduce the cost of enterprise. The system supports centralized management of discount and set and maintains this info, realize the maximum info resource share and sync update within the permission control, at the same time, flexibly control the discount.

Key points:

1) Support Multi-dimension Settings of Discount

- Support purchase discount list management of single enterprise;
- Support purchase discount management of enterprise and the distribution of discount list among different purchase orgs;
- Support to set discount list based on multiple dimensions including supplier, validity period, purchase qty, currency, etc.
- It supports the pricing based on material auxiliary property;
- Discount by row is supported in discount type;
- Discount by amount and qty are supported in discount basis;
- Discount by discount rate and qty are supported in discount amount calculation;
- Different discount directions are supported;

2) Discount Control

- Support expiry process of purchase discount list;
- After selecting discount list on purchase order, the system will auto calculate discount amount, net price after discount and summary of discount amount.

5. Purchase Order Management

Purchase order is the official purchase document issued from enterprise to suppliers, both party will conduct purchase business based on purchase order. The system provides complete order management function to help enterprise regulate operation flow of purchase order effectively and improve purchase business processing efficiency. Main functions of purchase order are as follows: support delivery arrangement to facilitate delivery status tracking; support purchase advance payment management; support version management of purchase order editing; process delivery qty and delivery time tolerance flexibly; query information of purchase order; special operation on purchase order, etc.

Key points:

1) Business Type

- Provide business types including standard purchase, subcontract purchase, asset purchase, drop-ship purchase and expense purchase, etc;
- Support purchase business management of single enterprise and multi-org. enterprise;
- Support purchase of provisional materials;
- Support process of purchase gifts and provide gift included in cost and gift excluded in cost these two methods.

2) Order Creation

Purchase order can be created by multiple sources:

- Prepare by purchase requisition;
- Generate by splitting purchase requisition quota;
- Prepare by sales order;
- Manually create;

3) Order Change

- Provide whether to enable purchase order change parameters;
- Three change methods are supported: new, edit and cancel;
- Support to change purchase order details and delivery arrangement;

4) Delivery Arrangement

- Support delivery plan details on purchase order;
- Support control of delivery ratio and delivery time on purchase order;
- Support designated delivery location and inventory status;
- Arranges delivery according to delivery plan;

5) Prepayment Management

- Two modes are supported: order before prepayment and prepayment before order.
- Installment plan is supported:

6) Price Management, Discount Management and Price Limit Control

- Support price management, discount management and price limit control;

7) Info Query

- Purchase order supports to query price and inventory;
- Purchase order supports historical price query to query historical order price and invoice price;

8) Reservation Process

- Support reservation process, including generating reservation, editing release and query reservation, etc.

9) Status Management

- Three doc status are provided on purchase order: whole doc closing, whole doc de-closing and whole-doc voiding;
- Multiple business status including business closing, business de-closing, business freezing and business de-freezing are provided;

6. Purchase Material Receipt Management

Material receipt management provides the function of material receipt to help enterprise receive delivery and provide necessary info for subsequent inspection or formal warehouse receipt. Purchase material receipt or warehouse receipt is not only the important signal of goods transfer or property transfer; it is also the important basis of keeping book for financial personnel.

Key points:

1) Multiple Material Receipt Forms Provided

- Common purchase material receipt business is supported;
- Cross-org. material receipt business is supported;
- Quick material receipt by supplier, order No. and material is supported;

2) Multiple Business Functions Supported

- Support inventory query and L/N query;
- Support controlling delivery by ratio;
- Support specify subsequent inventory status after material receipt and update inventory by inventory status;
- Support shelf life check;
- Support process of gifts;

3) Multiple Business Flows Supported

- Support asset purchase business;
- Support small-lot purchase business;
- Support purchase business of expense type;
- Support cross-org. purchase and inter-org. settlement;
- Support flows from warehouse receipt to payable;

7. Purchase Material Return Management

The system provides complete goods return flow to help enterprise process purchase material return businesses more efficiently, meanwhile provides goods return application flow to lower the risk of asset loss.

Key points:

1) Multiple Business Functions Supported

- Supports single enterprise material return management and corporate cross-org. purchase material return;
- Two return types are supported: "Return from Inspection" and "Inventory Return".
- Three material return types are supported: return/replenish, return and deduct and deduct but no return.

- Two replenishment methods are supported: "Replenishment by Source Doc" and "Create Replenishment Order".

2) Multiple Business Flows Supported

- Support to return material based on inspection result;
- Goods return after warehouse receipt is supported;
- Centralized material return by purchase order is supported;
- Material return application flow is supported;

8. Purchase Report

Purchase reports provided in purchase management module: purchase order execution summary, purchase order execution details, purchase business summary and supplier supply summary.

Key points:

- 1) Purchase Order Execution Summary and Detail**
- 2) Purchase Summary**
- 3) Purchase Receipt Settlement Summary**

9. VMI Management

VMI feature package is added in purchase management module to provide VMI business flow and business process to help enterprise process VMI business quickly and efficiently.

Key points:

- 1) VMI Business Property of Master Data**
 - Support VMI business property in supplier;
 - Support VMI business property in ;
 - VMI business property supported in price list and discount list;
 - VMI business property supported in source list;
- 2) Order Replenishment of VMI Material Supported**
 - Support MRP plan in VMI material;
 - VMI business supported on purchase order ;
 - VMI business supported in material receipt, warehouse receipt and material return;

3) Material Consumption of VMI Material Supported

- Sales process of VMI material supported
- Production and subcontract picking of VMI material supported;
- Other delivery picking of VMI material supported;
- Inventory loss of VMI material supported

4) Consumption Settlement of VMI Material Supported

- Summarize VMI material consumption data by purchase org. and consumption org. regularly.
- Delivery settlement and finish settlement these two types of settlement time points are supported;
- Settlement by negotiated price list or purchase order supported;

5) VMI Report

- VMI material consumption detail supports to query consumption of VMI material;
- VMI material receipt/delivery detail and summary support to query VMI material receipt/delivery;
- VMI material consumption settlement detail supports to query settlement of VMI material;

10. 1688 Integration

Add the function of sourcing and inquiry from Alibaba 1688.com in purchase management module.

Key points:

- Add interface of Kingdee Cloud and Alibaba 1688.com to achieve integration of purchase business and Alibaba;
- Purchase requisition info can be released to 1688.com to generate inquiry on 1688.com;
- Support to query supplier quotation info of corresponding inquiry on 1688.com;
- Support to select supplier quotation info to generate purchase order and complete business applications including demand release, inquiry and releasing purchase order;

2.2.3 Sales Management

2.2.3.1 Main Functions

1. **Sales Master Data**
 - 1) **Customer**
 - 2) **Customer Corresponding Material**
2. **Sales Quotation Management**

System provides quotation business process and price management function with quotation as the core to help enterprise prepare accurate quotation strategy based on sales policy, target profit ratio, historical price and other data.

3. **Sales Order Management**

Sales order is a kind of sales agreement signed between enterprise and customer to achieve their communication. It is a requisition from customer of enterprise goods to be sold, meanwhile it is also a sales promise made to customers by enterprise. It is the first step of fundamental functions in Sales Management. By maintenance and management of order info, it can achieve planned control of sales by enterprise to facilitate orderly, smooth and effective status of sales activity, production and purchase activities in enterprise.

Key points:

- **Preset Sales Business Flow Provided**
- Support business types and flows including standard sales, consignment, drop-ship sales and OEM sales;
- Preset standard, visible and configurable business flows for various sales business types;
- Support processes of goods return, replenishment and exchange at the same time on goods return;
- Business flows of service type material are supported;
- Free flow is supported;
- **Business Type and Application Supported**
- Support doc types including standard sales, consignment, drop-ship sales, OEM sales and goods return;

- Different display of different doc types are supported;
- Different business flows specified for different doc types are supported;
- Support users to customize doc types and specify corresponding business flows;
- **Order Status Management**
- Multiple doc status controls are provided: whole doc closing, whole doc de-closing, whole-doc voiding and whole-doc de-voiding;
- Multiple rpw business status controls including business closing, business de-closing, business freezing and business termination are provided;
- **Order Change**
- Multiple change methods are supported;
- Change of all fields and customized fields is supported as well as query of change records;

5) Lock and De-lock Stock

- Support lock stock and de-lock stock.
- During lock stock, inventory qty can be auto matched according to order demand qty for lock;
- During lock stock, when controllable inventory qty is insufficient, lock is not allowed;
- After lock stock, support to carry lock info and generate target delivery notice and sales delivery;
- Support auto de-lock after delivery of corresponding sales record;
- Support query and manual de-lock of order lock stock record;

6) Order Reservation

- After enabling the reservation parameter, manual reservation is supported on sales order;
- Order reservation supports inventory reservation and scheduled qty reservation;
- Support to edit reservation;
- Support to release reservation;
- Support comprehensive query of reservation;

7) Order Delivery Based on Delivery Plan

- Arrange delivery plan based on order record row and arrange delivery by delivery plan;

- Support query of delivery plan;

8) Advance Collection Management

- Collection plan can be maintained on sales order;
- Control and management of advance collection can be conducted when preparing sales order;
- Display and query of advance collection amount is supported on order;
- Control of shipment, delivery and production can be conducted based on advance collection amount;

9) Order Price Management

- Provide order price management function, support auto price access and price access by priority;
- Support price query and three types of price floor control function;
- Provide order discount management function, supports auto access of discount, manual access of discount and query of discount details;
- Support transaction of multiple currency and exchange rate management;
- Support calculation and management of complex taxes;

10) Delivery Ceiling/Floor Control by Order

- Support to control order ceiling/floor by order, based on options on the order, decide whether delivery should be controlled. Qty of sales delivery controlled cannot exceed the upper limit specified on order.

11) Others

- Support inventory query;
- Support query of customer credit;
- Support marketable control of three dimensions: sales-customer, customer-material, sales-material, independent or crossed control is supported;
- Corresponding entry and maintenance of customer material is supported;
- Support customer multi-party transaction process;

4. Sales Delivery Management

System provides delivery notice to help sales department in enterprise issue delivery notice during delivery in order to achieve further monitoring and tracking of delivery for sales BR.

Key points:

1) Two Delivery Management Methods Provided

- Support delivery based on deliverable qty on delivery notice and then close the delivery notice;
- Support to close delivery notice after the delivery (application scenario: enterprise under capacity or in abnormal situations, after execution of partial delivery, the delivery notice will be closed, enterprise has no need to pay attention to the uncompleted delivery notice so as to improve management effect.)

2) Related Info Query

- Support inventory query;
- Support consumption query (application scenarios: in the section of user delivery notice, material to be delivered will be grasped to arrange the delivery properly)
- Provide drill-up and drill-down function to query related doc info quickly;

3) Preset Business Flow

- Provide generation of sales delivery, direct transfer/multi-step transfer-in.
- Support delivery warehouse, preparation warehouse (application scenario: when material qty in delivery warehouse is insufficient, by generating transfer doc, materials can be transferred from preparation warehouse to delivery warehouse to meet the needs of delivery);

5. Sales Delivery Management

Sales delivery is the written proof which confirms the delivery of products. Sales delivery not only represents the transfer of goods, but also it is the important sign of property actual transfer.

Key points:

1) Business Management Function

- Supports single enterprise material delivery management and corporate cross-org. sales delivery and settlement;
- Support inventory query;
- Support to backfill cost price in accounting;
- Support authorized process of sensitive fields including U/P and cost price on platform;
- Support delivery and accounting of gift

2) Business Flow Control

- Provide to generate flows of receivable, goods return notice and sales goods return;
- Provide drill-up and drill-down functions;

6. Sales Goods Return Management

Sales return is the business doc which deals with sales return from customers due to substandard quality, incorrect price or because the related terms on sales order/contract is not consistent. Goods return notice is the business doc by which enterprise notifies the warehouse to receive returned goods. Sales goods return is the business doc which reflects goods returned to warehouse after the warehouse receives goods. System supports single enterprise goods return management and corporate cross-org. sales return and settlement;

Key points:

1) Return Type

- Goods return type supported: return and replenishment;
- After goods return on doc of replenishment type, open the original order to process the replenishment;
- Support management of warehouse return status on sales delivery;

2) Goods Return Process

- Three types of goods return flow are supported, users can select proper flow according to needs;
- Support goods return process based on delivery, return is based on delivery, track goods return by delivery;

- Process goods return based on original order, track and control delivery and return status on order;
- Support to create goods return order, process goods return and replenishment by goods return.

7. Consignment Business Process

Support consignment and OEM business processes.

Key points:

1) Support consignment warehouse management, that is, warehouse of customer property

2) Support tracking and management of consignment business on single doc type.

3) Support consignment settlement

- Delivery and return of commodity can be quickly processes on consignment settlement;
- Support generation by selecting docs on consignment settlement;
- Support manual entry or EXCEL import on consignment settlement;
- Support the auto match of consignment settlement of transfer delivery;

4) Support respective confirmation of income and cost based on consignment settlement.

- Auto or manually generate receivables based on consignment settlement;
- Auto or manually generate sales delivery based on consignment settlement;

5) Report: Consignment Warehouse Balance Sheet, Consignment Delivery Settlement Report

8. Sales Discount Management

Sales discount is a kind of promotion used to stimulate the customers to buy more products or service from enterprise. The management of sales discount can facilitate the management of sales profit in enterprise.

Key points:

1) Discount List Management Function

- Support sales discount list management of single enterprise;
- Support discount management and distribution of discount list of different sales orgs under corporate enterprise;
- Support to set discount list based on customer and customer category;

- Support to set discount list based on seller, sales department and sales org;
- Support the associated application of discount list and price list;
- Support the set of multiple discounts for the same material;
- Support application method of discount and attached discount;

2) Discount List Application

- Sales business doc support auto and manual access of discount;
- Support to acquire multiple discounts and auto calculation of accumulated discount amount;
- Support query of discount details;

9. Marketable Management

It refers to the better integration of resources in specified range by controlling sales parameters including material and sellers.

Key points:

- Support to set marketable range by different ranges including seller-material, seller-customer, customer-material;
- Support setting of single marketable items or multiple cross-marketable items;
- Support mass settings;
- Support to set different marketable ranges based on different settings;

10. Reports

Sales management module provides multiple key report functions to facilitate users' statistic analysis and provide basis for decision-making. The flexible report platform also supports customized setting of individualized report.

Key points:

1) Sales Order Execution Summary and Details

- Based on the source of doc, make statistics and analysis of subsequent order execution situations including: delivery, shipment, billing and collection;
- Sales order execution summary supports summarized statistics based on free combination of customer, seller and material, etc.
- Sales order execution details supports subtotal of order record row and total of sales org. order amount;

- Support associated query from sales order execution summary to sales order execution details, then to specific docs on detail doc;

- Support query of order execution amount;

2) Sales Profit Estimation Analysis

- From the point of sales org, provide sales income, sales cost and sales profit of sales order;

- Support summary of sales profit from dimension such as material;

- Support to query total profit of multiple sales org. through affiliated relationship;

2) Sales Ranking Table

- Provide sales performance ranking of material and sellers;

- Support statistic analysis from nine dimensions including material, seller, customer and sales department;

- Support statistics of sales ranking of multiple sales org. through affiliated relationship;

- Support data statistics of single sales org;

4) Sales Delivery Summary

- Support statistic analysis of delivery qty, cost, receivable qty and income;

- Support statistic analysis from several dimensions including material, seller, customer and sales department;

5) Sales Delivery Details

- Provide statistic analysis with delivery as the source leading to receivable;

- Support statistic analysis from several dimensions including material, seller, customer and sales department;

2.2.4 Credit Management

Credit management can help enterprise credit management personnel prepare credit policy, conduct ranking estimation of customer and authorize corresponding credit amount as well as conduct effective control in the business process. By credit management, credit sales risks can be lowered to achieve maximum sales with the lowest risk. The system provides whole process credit management functions including credit

policy making, credit authorization, credit initialization/re-calculation and credit control, credit query and analysis during business process. Support credit management of multiple levels, ranges, objects, time points, intensities and currencies as well as simple configuration of BOS_IDE to achieve credit management of customized docs.

Kingdee Cloud credit management module is the comprehensive operation of functions including credit checking rules, credit records, special credit authorization, credit initialization, credit re-calculation, credit status query, exception query, credit query and credit control in business doc, it can effectively control and track the whole process of credit management in order to establish a complete credit management system.

2.2.4.1 Main Functions of Credit Management

1、 Credit Check Rules

Credit checking rules are basis of enterprise credit control, in which rules are specified about which business sections and application scenario are appropriate for credit control as well as the time point, intensity and items for control.

Main Functions

- Business section: sales order, order change, delivery notice, sales delivery, receivables, refund, goods return notice, sales goods return and collection;
- Application scenario: doc type corresponding to various business docs;
- Check and update time point: submit and approve;
- Control Intensity: alert prompt, credit special approval, cancel transaction and freeze customer;
- Credit checking items: credit amount, credit ratio, single transaction limit, overdue amount, overdue days and overdue ratio;
- Exceeding judgmental basis: single item exceeded and exceeded simultaneously.

2、 Credit Record

By credit record, credit control object will be authorized with credit amount and the employed credit checking rules and specific amount of each credit checking item under the rules will be specified.

- Accredited org: the org. which authorizes credit amount, including: sales org, legal person and group;
- Credit object: credit control object: customer, group customer, seller, sales group, sales department and sales org.
- Credit status: initial credit status, including: normal check, credit check exemption and credit freeze;
- Credit checking rules: credit checking rules used by this object;
- Amount of credit checking items: credit amount, credit ratio, single transaction limit, overdue amount, overdue days and amount of overdue ratio;
- Temporary accredited is needed when users need to adjust credit amount temporarily within a period of time.
- Credit change can be used to conduct mass change aimed at credit record, temporary accredited record and credit special authorized amount. Historical change records can be queried.

3、 Special Credit Authorization Permission

- BR and sales manager are authorized with special credit permission, when credit check failed, the system will auto enter special credit authorization permission for process. Special authorized permission includes special authorized password, special authorization of overdue amount and overdue time.
- Total amount control of special credit authorization is supported. Support total amount special authorization aimed at users, user special authorization balance = special authorization amount - special authorization amount allowed, support to auto authorize credit amount by month, rolling credit authorization of the same amount is supported each month.

1、 Credit Initialization/Credit Re-calculation

When credit management is enabled, credit initialization is required first.

If credit checking rules are changed, or abnormality appears in credit data, credit re-calculation can be used to process the data.

2、 Query Credit Status

Query credit status of credit control object, including accredit amount, amount used and balance, etc.

3、 Query Exceptional Info

Query exceptional info due to credit overdue and credit special authorization in credit management process and provide basis for re-evaluation of customer credit rank.

4、 Credit Query on Doc

On business doc, you can query credit status of current credit control object anytime, including accredit amount and balance in order to notify the customer to transfer money or adjust order amount.

5、 Credit Control on Doc

When submitting or approving business doc, the system will conduct effective control based on credit checking rules and credit record to reduce credit risk and improve credit sales success.

6、 Credit Alert

Through the credit alert system, the system can judge based on the customer credit status, auto send alert info the corresponding personnel, enterprise staff can conduct dunning and calling easily.

Main Functions

- Mature receivable alert: support alert of receivable maturity advance and overdue alert; support to auto set customer credit record status based on different overdue situations.
- Credit re-evaluation alert: support alert of credit re-evaluation advance and overdue alert; support to auto set customer credit record status based on different re-evaluation overdue situations.

2.2.4.2 Evaluate Credit

Customer credit evaluation is to strengthen the credit control and the evaluation of customer solvency ability, compliance status and trustworthy degree. Credit evaluation model is a series of items and scoring standards based on the object to be evaluated,

the final result is shown as quantified value used to present the credit risk of the evaluated object.

Main Functions

- Credit evaluation index: the system provides two sets of index, users can use customized index or import them from master data;
- Credit Rank Standard: provide preset 9 levels of credit ranks, users can customize it and multiple standards are supported;
- Credit Evaluation Model: support user individualized model; support settings of point and weight;
- Create credit ranking table: create the table based on wizard, support to select proper evaluation model and rank standards to create the table;
- Credit score: support scoring of multiple raters, the system will gather the data of final scores; support to auto access credit rank based on rating results;
Credit Evaluation Effect: The results of credit rating can be used in customer credit record and credit control and support to adopt different credit control based on customer credit rank status.
- Credit control supports to customize crossed credit control of multiple business routes, if they exist at the same time, credit can be updated by delivery notice-sales delivery route or delivery notice-receivable route.
- Support to set multiple credit amounts by validity periods, different credit amount can be authorized to the same customer in different periods.
- Credit control intensity supports: two modes including control by source doc and control by doc. That is to support the conducting of credit intensity control by source doc or by doc set by credit rules.

2.2.5 Inventory Management

Inventory management module provides fine L/N, validity period, S/N management through delivery/receipt business management in the process of purchase, sales and operation to help enterprise lower inventory cost and improve service satisfaction.

2.2.5.1 Main Functions

1. Warehouse Basic Elements

➤ Warehouse

Warehouse is the storing location of material, which is divided into common warehouse, supplier warehouse, customer warehouse and workshop warehouse.

By specifying inventory status range allowed by warehouse, eg: available, to be inspection, scrap and so on, it can assign specific zone for storing in the warehouse or storing in exclusive warehouse in the circulation of material.

Whether to allow negative inventory in warehouse can be set.

Whether to include warehouse in MRP calculation can be set.

➤ Bin

Bin id yhr storage location in warehouse, flexible definition of bin is supported.

When defining bins, warehouse zone dividing basis should be confirmed as well as specific items of the divide, define the dividing basis as bin value set and the items as bin value, eg: alley and storage rack defined as bin value set where alley is divided into No.1 and No.2, storage rack is divided into A, B and C, No.1 and No. 2 will be defined as bin value of alley and A, B, C as bin value of storage rack.

By specifying bin value of each bin value set in the use, the specific bin can be shown.

➤ Inventory Status

Inventory status is used to distinguish the business status of material during circulation, the types include: available, receipt freezing, to be inspected, freezing, in transit, return freezing, scrap and defectives.

Inventory status can be set as whether materials can be used, sold, picked or locked as well as whether be included in MRP calculation.

Add inventory status on the basis of basic type to set different control items.

➤ Inventory Org.

Inventory org. is the business org. with inventory function; it is the main business org. of inventory business doc and the basis of data isolation for material, warehouse and other

master data as well as the basis for permission isolation of users.

➤ Goods Owner and Keeper

Goods owner is the proprietary of material, types include: business org, customer and supplier.

Keeper is the managing party of material, types include: business org, customer and supplier.

Support to store material of current org. in other org. or customer or supplier and vice versa.

Goods owner needs to establish entrusting keeping relationship with the storage org.

2. Enable Inventory Management

Before using the function of inventory management, inventory management needs to be enabled first.

Enabling date of multiple inventory orgs can be set and enabled.

Inventory enabling date can be edited when initialization is not ended in inventory org. and inventory doc is not entered or closed.

3. Inventory Initialization

Initialization is to transfer the manually recorded data into the system, the data which needs to be organized is mainly balance data of materials in inventory.

Initialization can be ended by inventory org.

4. Stock Transfer

➤ Direct Stock Transfer

Support direct stock transfer in org. and cross org., if there is no in-transit inventory, after the transfer, reduce inventory of transfer-out warehouse and increase that of transfer-in warehouse.

➤ Multi-step Transfer

It is to process in-transit inventory business of transfer, which supports multi-step transfer in org. and cross org. This business will be conducted by multi-step transfer-out and multi-step transfer-in. Reduce transfer-out warehouse inventory during transfer-out and increase the in-transit inventory; reduce in-transit inventory during transfer-in and increase transfer-in warehouse inventory.

Support process of in-transit loss in multi-step transfer-in.

5. Assembly and Disassembly

➤ Assembly

Combine multiple sub parts into finished goods in assembly and conduct receipt of finished and delivery of sub parts.

Sales order generates assembly and disassembly order of assembly type by association.

➤ Disassembly

6. OEM Material Receipt

Support receipt, warehousing and return business of OEM materials.

OEM material receipt and house warehouse receipt can be generated by sales order.

7. Miscellaneous Delivery/Receipt

It conducts other delivery/receipt business other than purchase, production, subcontract and sales.

➤ Miscellaneous Receipt

Common and return types are supported, on common miscellaneous warehouse receipt, increase the inventory and reduce inventory on return type.

➤ Miscellaneous Delivery

Common and return types are supported, on common miscellaneous warehouse receipt, reduce the inventory and increase inventory on return type.

Include types of common material delivery, asset delivery, expense delivery and VMI delivery.

Support cross-org. miscellaneous delivery.

8. Simple Production

➤ Simple Production Picking

Support generation fromBOM;

Support generation from Simple Production Receipt

Support cross-org. simple material picking.

➤ Simple Production Return

Support generation fromBOM;

Support generation from Simple Production Picking

Type of goods return include: defectives return, goods return of incoming defectives and goods return of operation defectives.

Support cross-org. simple material return.

➤ Simple Production Receipt

Support production warehouse receipt without order;

Support cross-org. simple production warehouse receipt.

➤ Simple Production Warehouse Return

Support production warehouse return without order;

Support cross-org. simple production warehouse return.

9. Inventory Adjustment

➤ Form Conversion

Adjust material BOM No, auxiliary property and plan tracking No, split of inventory qty is supported during adjustment.

➤ Inventory Status Conversion

Adjust material inventory status; split of inventory qty is supported during adjustment.

Support to generate inventory status conversion from inventory inspection requisition, used to process changes of inventory status of material found in inventory inspection.

➤ Lot Adjustment

Adjust material L/N and guarantee period info, split and merge of inventory qty is supported during adjustment.

10. Inventory Count

➤ Scheduled Counting

Support to make inventory count scheme, auto generate material inventory count, print it and enter material actual count qty according to inventory count result, auto generate inventory gain/loss based on counting error and adjust the inventory qty.

➤ Cycle Counting

Support material of ABC category to define different sampling inventory counting frequency, prepare cycle counting plan, generate material cycle counting, auto generate material inventory count, print it and enter material actual counting qty based on inventory count result.

11. Lot No. Management

Support to define L/N coding rules, field value on business doc can be set as the basis of L/N coding.

Provide L/N master to record the generation and flow of L/N.

Support delivery based on rules such as by L/N receipt date, delivery by earliest due

date, delivery in sequence or by specified L/N.

12. Guarantee Period Management

Support delivery based on delivery by earliest due date or by specified validity period.

13. S/N Management

Manage and track materials of high value, low inventory and key importance, all inventory docs are involved.

S/N uniqueness supports multi-levels, including: Group-level, org.-level and material-level;

Support two methods of generating S/N including generating in advance and auto generating.

Provides S/N for management of all delivery/receipt business and S/N for management of delivery business.

S/N entry supports various methods including manual entry, mass generating, S/N selection and S/N scanning.

During S/N delivery, supports to auto filter S/N by inventory dimensions including material and warehouse of delivery docs.

- Provide S/N master and supports S/N whole doc tracking.

- Inventory docs support to view all S/N on the whole doc.

- Support viewing S/N in real-time inventory.

- Support auto generating rules of S/N.

- Support preformat print and export/import of S/N.

- Support inventory counting of S/N.

- Support archive and restore of S/N master;

14. Auxiliary Property

Auxiliary property is supported on inventory doc and real-time inventory.

Support to display and query fixed columns of auxiliary property on doc and list.

15. Plan Tracking No

Plan tracking No. is supported on inventory doc and real-time inventory.

16. AUoM

Stock AUoM of material can have a fixed or flexible conversion rate relationship with BUoM.

AUoM on inventory docs can be edited, the selecting range is other measuring units which have a fixed conversion rate relationship with material stock AUoM.

Real-time inventory query and report support query of AUoM and Qty (AUoM).

17. Real-time Inventory Query

Real-time inventory detail query supports to view detailed inventory Qty of each inventory dimension of material, including: auxiliary property, L/N, production date, expiry date, inventory status, BOM NO, goods owner and keeper, etc.

Real-time inventory summary query supports to view total inventory qty when certain inventory dimensions are ignored.

- Support to customize the summary dimension.

- Support to add related properties of master data.

- Support real-time inventory check.

- Support to query material, material receipt/delivery details and other related info.

- Real-time inventory query by goods owner is supported.

- Support query of reservation.

- Support to clear zero inventory record.

18. Lock Stock/De-lock Stock

- Support real-time lock/de-lock stock.

- Support to execute lock/de-lock stock on lock list.

- Support lock stock log and record of lock/de-lock stock operator, date and material, Qty and other info.

- Support lock/de-lock stock by day and auto de-lock at maturity, etc.

19. Locking Process

Combined with financial closing demand or control demand of inventory business, execute inventory locking process.

Inventory locking aims at inventory org.

After locking, material inventory qty balance will be calculated.

After locking, inventory business before the locking date cannot be added or edited.

20. Reports

Provide material receipt/delivery summary, material receipt/delivery details, material receipt/delivery category statistics, inventory book, inventory counting variance report, inventory aging analysis, inactive material analysis, safety inventory alert, guarantee period alert, ABC analysis, S/N query and inventory negative balance alert.

21. Monitoring Info

Provide min. inventory alert, maxi. inventory alert, safety inventory alert, ROP alert and guarantee period alert.

22. Inventory Adjustment Function

Because inventory unit Qty from precision round-up is 0 and qty (BUoM) is not 0, inventory qty cannot be cleared by inventory loss, but through the function of inventory adjustment, this inventory qty can be cleared.

23. Inventory Datasheet Management

Backup inventory datasheet, including inventory balance sheet, inventory update log, lock stock log, L/N tracking data;

Restore inventory datasheet, including inventory balance sheet, inventory update log, lock stock log, L/N tracking data;

Delete backup datasheet, including inventory update log and lock stock log.

2.2.6 Inter-org. Settlement

2.2.6.1 Main Functions

1. Inter-org. Settlement Price List

It refers to the sales price list of an org. when it is the supplier of other orgs.

- The system can provide maintenance interface of price list, multiple price lists are supported.
- Validity period setting is supported on price list.
- Support to conduct settlement pricing based on transaction type and business type.
- Support importation from purchase and sales price list to facilitate customers with simple application to copy existed price list quickly for settlement.
- Settlement price supports the transaction method of tax-inclusive pricing under the legal person system; under non-legal person system, tax-exclusive pricing will be adopted.

2. Inter-org. Settlement Relationship

Inter-org. transaction is the business occurred between two business orgs, inter-org. settlement relationship is the settlement corresponding relationship and price accessing settings of two accounting orgs. We only need to define parameters required for settlement between the two orgs, such as price list.

- The system provides the maintenance interface of settlement relationship among accounting orgs and supports different settlement relationships under multi-accounting system.
- Support to set multiple settlement corresponding relationships under the same accounting entity.
- Support the setting of price access priority in corresponding relationship of the same settlement.
- Support the flexible definition of settlement price in corresponding relationship of the same settlement. Price accessing types supported include: price list, sales deduction price, purchase addition price, cost price, configuration settlement price and customized plug-in price access.

3. Display of Settlement

- Add display of settlement during settlement process: display in detail business doc details and price access status involved in current settlement; re-select qualified price list; select to involve business with failed price access in settlement; generate settlement list entry rows by needs.

4. Inter-org. Settlement List

Inter-org. settlement list is the transaction detail list used for reconciliation between two accounting orgs triggered by cross-org. transaction, including material, Qty and price.

- The system provides to mass generate inter-org. settlement list in wizard, qualified cross-org. business docs will be auto selected to generate the settlement list.
- The system supports settlement of material, asset and expense business of cross-orgs.
- The generated settlement list supports auto price access by settlement relationship and the set price list, for cross-org. delegated purchase business, purchase price addition is provides, for cross-org. delegated sales business, sales price reduction or cost price settlement is provided.
- Support settlement of business data of multiple accounting orgs. under the same

accounting system, receivable/payable settlement list of both parties of the settlement can be generated simultaneously, if price exists on settlement list, it can be auto approved to generate receivables/payables.

- Settlement list maintenance interface after generation. Users can edit settlement price and approve settlement list.
- Support associated control of settlement price access and approval for both parties of the transaction accounting org.
- Support to generate inter-org. receivables/payables from settlement list.

5. Auto Settlement:

- Auto complete multi-org. settlement by conditions set in regular settlement. Regular settlement can complete the settlement function automatically by conditions set to generate internal transaction docs and receivables/payables of settlement.

6. Reports

- Provide inter-org. settlement analysis report Support to gather statistics of receivable/payable amount based on summary such as by FAS, accounting org, settlement type, etc, support associated query to generate business docs of settlement data.
- Internal transaction doc report provides internal docs and query of the corresponding original business docs and transaction qty info.

7. Configurable Settlement Configuration Platform

Provide inter-org. settlement platform, in settlement configuration platform in BOS IDE, settlement relationship and process can be freely configured; support to add new settlement sources to settle the problem of tripartite settlement. Can configure settlement middle transaction doc, settlement price source and users can select internal transaction to generate transfer or purchase/sales docs. Besides the configuration of settlement price, the platform also supports to customize application configurations of docs to be involved in settlement and multi-party settlement.

2.2.7 Supplier Collaboration

Kingdee Cloud supplier collaboration helps enterprise to establish its own supply system and construct an online business collaboration platform for both parties of supply and demand. The overall goal of supplier collaboration platform is to fully integrate supply and demand in order to help both parties achieve efficient business collaboration and improve competence of supply chain.

Supplier Collaboration Platform The main function of K/3 Cloud supplier collaboration includes: Sourcing Collaboration, Order Collaboration, Delivery Collaboration, Inventory Collaboration and Info Collaboration, etc.

2.2.7.1 Main Functions

1. Base Management

Base management mainly includes: parameter setting, supplier setting, supplier role and supplier user, etc.

1) Parameter Settings (Enterprise)

- Log in as the admin to set supplier collaboration portal parameters in the purchase management module.
- First of all, enable supplier collaboration platform;
- Set IP address, set name and virtual directory.

2) Supplier Settings (Enterprise)

- In supplier commercial info, check "Enable Supplier Collaboration", after checking it, the supplier can visit supplier collaboration portal and process the business.

3) Supplier Role (Enterprise)

- Log in as administrator on the enterprise terminal to set the role of supplier collaboration fro suppliers.
- The role of "Supplier BR" is preset in the system for use of supplier's related operators.

4) Supplier User (Enterprise)

- Log in as administrator on the enterprise terminal to set the user of supplier

collaboration fro suppliers.

- Supplier user must be bound with a certain supplier; the system will conduct data isolation strictly according to suppliers.

2. Sourcing Collaboration

The main functions include: quotation, inquiry and price comparison, etc.

1) Inquiry (Enterprise)

- Enterprise can manually create inquiry or generate it from purchase requisition;
- Describe purchase material, qty, delivery method and settlement terms in detail on the inquiry.
- Specify the range of suppliers applicable to this inquiry.
- After the approval of inquiry, supplier can query it in supplier collaboration.

2) Inquiry Query (Supplier)

- After approving enterprise inquiry, supplier can query it on the collaboration platform.
- The supplier can conduct confirmation, after which, the confirmation info will be backfilled to "Confirmed by Supplier".
- Unapproved and voided inquiry will not be displayed in supplier collaboration.

3) Quotation (Supplier)

- Supplier generates quotation according to inquiry;
- Fill in info such as price, Qty and remarks on the quotation;
- After approving supplier quotation, enterprise can query in purchase management.

4) Quotation Query (Enterprise)

- After approving supplier quotation, enterprise can query in purchase management.
- Enterprise can confirm the quotation.
- Unapproved and voided quotation will not be displayed in purchase management.

5) Price Comparison (Enterprise)

- Generate price comparison doc by enterprise according to inquiry and quotation.
- Compare and analyze supplier quotation, fill in comments;
- Write back the confirmed quotation info to quotation.
- After approval of comparison doc, supplier can view the result on quotation.
- The inquiry after comparison can generate purchase order.

3. Order Collaboration

The main functions of order collaboration include: purchase order collaboration, purchase order change collaboration and order execution query, etc.

1) Purchase Order (Supplier)

- After the approval of enterprise purchase order, supplier can query it in supplier collaboration.
- Supplier can fill in "Confirmed Delivery Date", "Confirmed Delivery Qty" and "Confirmed Comments", etc;
- Supplier can confirm the purchase order.

2) Purchase Order Change (Supplier)

- After the approval of enterprise purchase order change, supplier can query it in supplier collaboration.
- Supplier can fill in "Confirmed Delivery Date", "Confirmed Delivery Qty" and "Confirmed Comments", etc.
- Supplier can confirm the purchase order change.

3) Purchase Order Execution Status (Supplier)

- Supplier can query details of purchase order execution.
- Supplier can query summary of purchase order execution.

4. Delivery Collaboration

The main function of delivery collaboration include: delivery notice, purchase warehouse receipt, material return notice and purchase material return, etc.

1) Delivery Notice (Supplier)

- After the approval of enterprise material receipt notice, supplier can query the delivery notice in supplier collaboration.

- Supplier can fill in "Confirmed Delivery Qty", "Confirmed Arrival Date" and "Confirmed Comments", etc.

- Supplier can confirm the delivery notice.

2) Purchase Warehouse Receipt (Supplier)

- After the approval of enterprise purchase warehouse receipt, supplier can query it in supplier collaboration.

- Supplier can confirm the purchase warehouse receipt.

3) Material Return Notice (Supplier)

- After the approval of enterprise material return requisition, supplier can query the return notice in supplier collaboration.

- Supplier can confirm the material return notice.

4) Purchase Material Return (Supplier)

- After the approval of enterprise purchase return, supplier can query it in supplier collaboration.

- Supplier can confirm the purchase material return.

5. Inventory Collaboration

The main functions include: VMI inventory query and VMI settlement query, etc.

1) VMI Inventory Query (Supplier)

- Supplier can query VMI warehouse real-time inventory.

- Supplier can query VMI warehouse delivery/receipt summary.

2) VMI Settlement Query (Supplier)

- Supplier can conduct real-time query of VMI warehouse consumption summary.

- Supplier can conduct material consumption settlement of VMI warehouse.

6. Info Collaboration

Main functions include: enterprise released announcement, supplier query announcement and supplier info center, etc.

1) Enterprise Released Announcement (Enterprise)

- Enterprise creates various announcements to specify the applicable supplier range, it is released after approval;

- When specify "Applicable Supplier", only authorized suppliers can query this announcement; when it is not specified, all suppliers can query the announcement;
 - Attachment functions are supported on enterprise announcement.
- 2) Supplier Query Announcement (Supplier)**
- After releasing the enterprise announcement, supplier can query the related announcement on supplier collaboration portal.
- 3) Info Center (Supplier)**
- Info generated from processes of supplier inquiry/quotation, order execution will be reflected in info center for query and processing.
 - Info generated from interacting process of enterprise and suppliers will be reflected in supplier info center for query and processing.

2.2.8 Barcode Management

2.2.8.1 Main Functions

1. Base Management

Main functions of base management include: barcode management system parameter, barcode property, barcode rules and barcode master, etc..

1) Parameter Settings

- Set barcode management parameters by org. structure and set default barcode management parameters for the whole org. structure.
- Set control parameters by org. structure+business object to achieve fine control.

2) Barcode Property

- All the info needed in barcode management (including coding info of barcode and non-coding items of other info) will be defined here.
- Barcode property and its mapping with each business object need to be defined.
- Near 50 common barcode properties are preset in system to satisfy most barcode application demand.

3) Barcode Rules

- Barcode rules are the basis of barcode generation and explanation, property barcode needs to be selected to establish barcode rules;
- First, set content of barcode rules (info required by barcode), including barcode item info and other info;
- Then set the business object range applicable to barcode rules.

4) Barcode Master

- Manage all barcode master info in the system, including barcode generated in this system and externally imported barcode.
- Support barcode query and tracing.
- Support mass print of barcode.
- Support mass import and export of barcode master.
- Support enabling and disabling of barcode.

2. 5 Barcode Print

The main functions include: data access, barcode generation, barcode print, barcode template setting, barcode function configuration and barcode print log, etc.

1) Data Access

- There are two methods to access data: 1. Call "Barcode Print" on business object, auto carry data of business object to barcode print interface; 2. Access data through "Select Doc" on interface of barcode print.

2) Barcode Generation

- Some source doc info to generate barcode can be edited;
- Select record row to generate barcode, generate barcode by row or by merging;
- When generate barcode by merging, group first according to group items of barcode rules before generating it.

3) Barcode Print

- After barcode is generated and saved, you can preview and print barcode.
- Print number is 1 by default, can be edited.
- Select record row to be printed for preview and print.
- When print for the first time, printer address needs to be set.

4) Barcode Template Settings

- Using BOS template printing designer to design barcode print template in business objects including barcode print, customize barcode print and barcode master.
- Barcode templates of both one-dimensional and two-dimensional code are supported.

5) Barcode Function Configuration

- "Print Barcode" has been abstracted as a general operation type to facilitate the configuration of "Print Barcode" in business doc of master data.
- Add "Print Barcode" on menu of business object.
- Add operation in "Click Event", click the operation "Print Barcode".
- This business object can achieve the function "Print Barcode".

6) Barcode Print Log

- Query historical records of barcode generation and print.
- You can filter, view detail info and delete logs.
- You can conduct re-print of certain printing results.

7) Customize Barcode Print

- Customized barcode printing is not related to business doc, any content of field can be entered for printing.
- If barcode exists, scan it to acquire related info for edition and then re-print the barcode.
- If there is no barcode, manually add new rows to enter related data, select barcode rules to generate and print barcode.

3. Barcode Scan

Main functions of barcode scan include: data entry, doc generation and barcode scan log, etc.

1) Entering Data

- Fill in scanning info: such as barcode rules, source doc info and target doc info, etc.

- Barcode scanning and explanation: scan material/equipment/barcode on doc and explain them to carry out the corresponding info.
- Edit and complete scanning data: part of the info in scanning result can be edited.
- Match source doc: auto match the source doc with the scanning info to associate with source doc to generate target doc.

2) Doc Generation

- When matched with source doc, target docs can be generated by association, and the association relationship can be built.
- When there is no matched source doc, target docs can also be generated but there will be no association relationship.

3) Barcode Scan Log

- Query historical records of barcode scan and generation of target docs.
- Conduct filtering, view the details and mass delete logs.
- Aiming at a scan result, re-generate target docs.

4. Barcode Interface Service

Kingdee CloudAs a basic application system, barcode management provides public program interface such as barcode generation and barcode explanation, they can be called by each field and the third party integration, which can effectively boost the secondary development efficiency so that barcode management can satisfy changing customer needs.

1) Barcode Generation

- The system provides public program to generate barcode. According to doc info, barcode rules and doc entity row info, generate corresponding barcode, if it is master mapping mode, fill the barcode to barcode master.

2) Barcode Explanation

- The system provides public program to explain barcode. Import barcode and related parameter to return data package after explanation. Support master mapping mode and dynamic explanation mode.

2.3 Cloud Omni-Channel Marketing

2.3.1 BBC Business Center

BBC business center of cloud omni-channel marketing has achieved enterprise-integrated business center management, including: uniform maintenance of commodity record and channel record; uniform releasing of commodity, key businesses of B2B are supported in this version; subsequent versions will support B2C, O2O and other business applications.

2.3.1.1 Main Functions

- Basic setting: including doc type, announcement management and parameter setting, etc.
- Commodity management: support to maintain commodity category standard, commodity category, commodity brand and other master data, maintain commodity record and commodity parts;
- Channel management: support to maintain channel rank, channel category, channel region and other master data; maintain channel record;
- Commodity release: support three releasing strategy: release by channel and channel rank, exception release and query of channel marketable commodity;
- B2B management: support to query orders of all BBC distributor portals;
- Announcement management: support maintenance and release of enterprise announcement, conduct oriented announcement by channel type;
- Omni-channel marketing analysis report: Store commodity best seller ranking analysis, store customer flow analysis, store sales amount ranking, omni-channel inventory analysis, channel BR sales analysis, channel order execution details and store order execution details, etc.
- Support to set viewing permission by channel on report and docs to allow users to view channel data, for example, user A is the channel manager in south China, he can only view channel data of this region (including order, sales order, channel delivery, channel receipt and channel inventory, etc.), this can be achieved.

2.3.2 BBC Distributor Portal

BBC distributor portal of cloud omni-channel marketing provides a uniform omni-channel portal entry for enterprise marketing path, through the channel, ID can be identified so as to enter direct, indirect channel or corresponding distributor portal of store for related business process.

2.3.2.1 Main Functions

- Online order; support to direct order from enterprise and indirect order from superior source, purchase via cart or direct order to generate BBC order, supplier will process the order and conduct delivery;
- My order management: support to query all BBC orders; support to manually add BBC order; cancel and edit unprocessed orders;
- Target order process: support process target channel orders via channel, after approval, deliver by standardized qty;
- Sign-in management: used for warehouse sign-in of ordered commodity via channel, auto update inventory after sign-in is completed;
- Invoicing Management: support to manage commodity invoicing business via channel; mainly include inventory initialization, channel delivery, channel receipt and channel inventory query;
- Billing management: support retail billing process of stores via channel as well as approval and delivery;
- Goods return management: support goods return business via channel, return can be conducted by order or manually adding goods return requisition, after approval of the requisition, the recipient will conduct delivery of commodity goods return while supplier conducts receipt of goods return.
- Promotion match: mainly include auto calling of promotional policy for promotion match when ordering through BBC distribution portal in order to execute promotional policy defined in promotion management; it supports modes including price deduction, discount and gift, etc, for details, please refer to content of "Promotion Management".

- Credit balance query and credit control, on the homepage of distribution portal, display credit balance and credit amount of current distributor, when ordering through BBC distribution portal, support the control of credit balance. The specific control logic is controlled by definition of "Credit Rules" under SCM module.
- Transaction reconciliation query, rebate balance query and credit balance query, on the homepage of distribution portal, display credit balance, payable balance, advance payment balance and credit amount, etc of current distributor.
- Support group ordering: that is ordering of distributor from HQ, distributor store/subsidiary goods receipt, settlement and payment. For special implementation, you need to define source channel, receipt channel, payment channel data and meanwhile select corresponding channel while ordering.
- Inventory management supports transfer processing businesses.

2.3.3 BBC Mobile Order

Cloud Omni-channel marketing achieves applications on mobile end, supports to deploy light apps on Wechat/CloudHub. Support distributors and agents to use the mobile end for ordering and billing as well as mobile apps of enterprise BR.

2.3.3.1 Main Functions

- View displayed commodity by category;
- Support to put commodity into cart;
- Place order: release and confirm receipt and other related info from cart;
- Order sign-in: after delivery, you can use quick sign-in or common sign-in to complete the sign-in section.

2.3.4 BBC Store Portal

BBC store portal of Cloud omni-channel marketing provides store billing sales, one-click delivery, invoicing management, membership management and customer flow info collection for end channels.

2.3.4.1 Main Functions

- Retail billing and billing process: support store billing sales, direct delivery can be conducted through on-click delivery, you can also approve it on billing interface to confirm the delivery;
- Portal invoicing management: support delivery/receipt management of commodity in store;
- Member center: support to maintain store member data; support entry of customer flow info and subsequent tracking content, auto generating enterprise membership after sales;
- Goods return business management of sales billing includes store goods return requisition -> warehouse goods return receipt, support goods return by original order and return without order.

2.3.5 B2B e-Commerce Center

2.3.5.1 Main Functions

- Online order process: after external channel places orders on distributor portal, the e-commerce center will process them and transfer them into sales order and thus enter the order delivery process;
- Channel goods return requisition process: process goods return requisition of first-class distributor on distribution portal, it will be transferred into goods return notice of sales return to process the return business.

2.3.6 Cloud Synchronization Management

2.3.6.1 Main Functions

1. Cloud Service Settings

It is mainly used to set B2B e-commerce management cloud service address, data center and login users, etc. under non-deployment mode, after the setting, data can be synchronized and data from local SOB can be updated to data center of corresponding cloud service.

2. One-click Sync

Sync data is divided into master data and business data, master data includes org, customer and material, etc, while business data includes price, credit, real-time inventory, etc. they can both be auto synchronized through sync periodical execution.

3. Business Processing

Online order generated by B2C order management can download order through this function and generate sales order and execute it subsequently. Meanwhile, for execution of online order, the status and delivery qty, etc. can be updated by uploading data. Auto sync can be conducted by setting sync period.

2.3.7 Marketing Network

Marketing network of enterprise is multi-level, such as in the org. structure of enterprise, distribution center, secondary distribution center, shipment center, store, etc; business in these org. will directly affect enterprise supply efficiency, marketing network will help enterprise establish channel network and shipment network quickly;

Establish and manage enterprise omni-channel, including region, province, office, store and end store.

Marketing network can be integrated with demand/replenishment management to achieve operation of demand and replenishment.

2.3.7.1 Main Functions

1. Marketing Network

Channel is the key business data in distribution management system, it determines enterprise channel level, business modes among channels, demand method and distribution network and other key info.

Key points:

1) Channel Network

- Support the match of channel data and business org, customer or supplier to establish the correspondence of channel and business org;
- Users can establish the corresponding channel structure quickly through sales org.
- Support hierarchy relationship of channels;

- Support inter-channel direct shipment, purchase/sales shipment, uniform purchase shipment, purchase drop-shipment, etc.

2) Distribution Network

- Define distribution network info of supply channel, including demand channel list, supply inventory org. and warehouse list;
- Support cross-org. distribution, select warehouse of current org. or other orgs during shipment;

2.3.8 Demand/Replenishment Management

Demand/Replenishment management supports channel demand, replenishment, shipment and provides direct shipment, purchase/sales shipment, uniform purchase shipment and purchase drop-shipment these four main channel collaboration application solutions, support expansion of enterprise to help enterprise become more transparent in control of marketing and lower overall inventory of enterprise to achieve low cost sales.

2.3.8.1 Main Functions

1. Intelligent Demand

Intelligent demand platform is to auto calculate demand and release it according to demand scheme. It conducts integral calculation of demand channel requirement and inventory, in-transit info of current channel to acquire shortage requirement and form the demand requirement for suppliers.

Through distribution intelligent demand, the requirement of demand channels can be passed to supply channel quickly.

Key points:

1) Demand Calculation Parameter

- Support to define to demand channel;
- Support to customize intelligent demand scheme;

2) Demand Calculation

- Based on calculation scheme, multiple demand qty and in-transit qty are supported;
- Support to take min. order qty and safety stock of channel into consideration;

- Support detailed query of demand source and query of inventory details and in-transit details;

3) Demand Release

- Support to adjust demand qty;
- Carry supply mode of suppliers and support edition;
- Auto release into demand requisition of suppliers.

2. Intelligent Replenishment

Intelligent replenishment platform is to calculate demands of all demand channels based on replenishment scheme and release the replenishment docs. Generally, shortage demand, store inventory and in-transit info of each store will be taken into consideration, after calculation of shortage demand, uniform replenishment will be conducted from HQ to each store.

Through this function, enterprise can master replenishment demands of each demand channel in the distribution network to conduct timely delivery of commodity and improve efficiency.

Key points:

1) Demand Calculation Parameter

- Support to calculate replenishment demand of each demand channel in the distribution network based on supply channel;
- Support customization of intelligent replenishment calculation scheme and definition of default demand/replenishment scheme in material distribution feature;

2) Demand Calculation

- Based on calculation scheme, multiple demand qty and in-transit qty are supported;
- Support to take min. order qty, safety stock and daily sales volume of channel into consideration;

3) Demand Release

- The system will auto generate replenishment and users can adjust replenishment qty;

- Support detailed query of demand source and query of inventory details and in-transit details;

3. Demand Processing Platform

Distribution demand processing platform is the centralized process platform for demand channels, based on inventory status, process can be conducted by inventory or purchase, supports four collaboration processing modes including direct shipment, purchase/sales shipment, uniform purchase shipment and purchase drop-shipment.

Through this platform, enterprise uniform distribution center and process demand requirements of each channel, optimize distribution structure and improve enterprise efficiency.

Key points:

1) Channel Demand Requisition

- Support to process demand requisition of multiple channels;
- Support to process multiple demand requisitions of the same channel;

2) Centralized Process

- Support replenishment process by inventory or purchase;
- Support inter-channel collaboration processing modes including direct shipment, purchase/sales shipment, uniform purchase shipment, purchase drop-shipment, etc.
- Provide available qty, on-hand inventory, in-transit qty and safety stock for reference.

4. Distribution Platform

After converting demand into demand requirement of supply channel, supply channel will deliver by sales order. After receipt of supply channel product, through demand requirement of demand channel on distribution platform, distribute the inventory and conduct uniform delivery and shipment.

5. Inter-channel Goods Return

Complete goods return by doc of multi-step transfer-out and multi-step transfer-in.

Under the mode of purchase/sales distribution, generate material return through purchase warehouse receipt of demand channel, material return will auto/generate goods return of supply channel to complete the inter-channel goods return.

6. Distribution Inter-channel Settlement

It is conducted completely by inter-org. settlement rules, that is, if the channel of demand and replenishment are from different accounting orgs, inter-org. settlement is required, if they belong to different legal personnel, under the mode of purchase/distribution mode, the settlement can be conducted by generating receivable/payable from sales delivery and purchase warehouse delivery.

2.3.9 Promotion Management

Promotion management is a business open platform developed based on omni-channel marketing cloud and combined with industry needs, it is integrated with SCM and finance perfectly; this can meet the demands of channel promotion and can be extended to e-commerce promotion and end promotion, etc; in the flow of promotion, it satisfies enterprise's needs to control the whole process from promotion source to closing evaluation.

2.3.9.1 Main Functions

1. Master Data

1) Promotion Type

- Support to add and maintain new promotion types;
- Two common promotion types of distribution are preset in the system;

2) Promotion Method

- Support to add and maintain promotion methods;
- 8 common promotion methods are preset in the system, including common single product purchase/gift, combination purchase/gift, combination purchase/gift and discount, combination discount, whole doc discount, single product discount, combination price and exchange/gift, etc.

3) Promotion Mode

- Support to add and maintain promotion modes, through the combination of promotion type and promotion method, define the property of promotion mode;

- Based on promotion method, 8 promotion modes are preset in the system, which define the promotion property respectively;
- By defining whether to be involved in promotion policy, decide whether the promotion mode will be involved in subsequent matched promotion policy.

2. Promotion Application

Based on marketing strategy, promotion planner prepares the preplan of promotion, including promotion campaign content, promotion target and promotion range, etc.

- Support maintenance of promotion range, promotion target and promotion expense item;
- Support to view historical expenses;
- Provide to view promotion closing report;
- Provide the flow from generating expense requisition from promotion requisition to the complete of expense reimbursement.

3. Promotion Policy

The system provides preparation of promotion policy for multiple sales orgs and multiple customers; support discount promotion, gift promotion, special offer and other policy maintenance to satisfy multiple applications including single product promotion, combination promotion and whole doc promotion.

- Provide to define promotion policy content by promotion mode;
- Provide to specify participating org, effective time and customer range of promotion policy;
- Provide groups to set promotion policy to satisfy different promotion demands of commodity;
- Support taking effect/cancel expiry of policy;
- Support the setting of promotion commodity exception to set certain commodities which are excluded from promotion;
- Support the serial and parallel setting of promotion policy, support superposition execution of promotion.

4. Promotion Execution

After enabling promotion management in sales org, the system provides matching and execution of promotion policy when placing sales order.

- Support matching and cancel matching of promotion policy on sales order;
- Illegible promotion policy will be displayed in results of promotion matching result, meanwhile other promotion policies with unsatisfied Qty and amount can be viewed.
- Support to view promotion execution details info of sales order.

5. Promotional Closure

After the promotion campaign, based on actual completing situation, conduct summary and report of current promotion results and goal achievement ratio through closing report.

- Support to select promotion requisition for closing, fill in the actual expense and actual sales volume of promotion campaign, the system will calculate the goal achievement ratio;
- Record promotion result evaluation and improvement opinions in the closing report and complete a full summary of promotion.

2.3.10 Rebate Management

Rebate management supports management of dealer/VIP customer yearly, monthly and quarterly rebate as well as the customization of cycle rebate management. Based on rebate policy and sales data, conduct rebate calculation to form the rebate settlement data of customer, multiple methods of customer rebate settlement include charge-off, rebate, gift and offset are supported.

2.3.10.1 Main Functions

1. Master Data

1) Rebate Type

- Support to add and maintain rebate types;
- Two common rebate types of channel are preset in the system;

2) Rebate Method

- The system supports to add and maintain rebate methods, mainly include settings of rebate cycle type and rebate return methods;

- The system preset four of the most common types of rebate methods, including common rebate by year, by month, by qty and by amount.
- Rebate method also supports: offset receivables, offset payables, gift delivery rebate and rebate to account balance.

3) Rebate Mode

- Support to define property of rebate mode and set rebate object and rebate basis based on the combination of rebate type and rebate method.
- Support to set rebate basis as sales delivery or receivables;
- Based on rebate method preset in the system, corresponding rebate mode is preset in the system.

4) Rebate Account

- Support users to use rebate account, enterprise will set different rebate accounts.

4) Rules for Using Rebate Balance

- The using conditions, using ratio and effective period of rebate account for details customers.

2. Rebate Policy

The system provides rebate policy making of multiple sales orgs and multiple customer ranges; support the maintenance of multiple rebate policy to satisfy applications of different rebate scenario.

- Support to define rebate policy content by rebate mode;
- Provide to specify participating org and customer range of rebate policy;
- Based on different rebate cycles, set detailed rebate policy to satisfy different rebate processes of different commodities and different categories under different rebate conditions.
- Support to set whether allow superposition execution of rebate policy;
- Support the setting and application of fixed rebate amount.

3. Rebate Data Preparation

Based on rebate policy, under the rebate settlement org, gather statistics to generate actual sales data to make preparation for rebate data.

- Support to gather statistics to generate preparation data based on selected rebate policy, rebate mode and rebate cycle;
- Support to add rebate data manually;
- Support manual edition of rebate preparation data to achieve adjustment of the data based on actual situations.

4. Rebate Calculation Platform

After the preparation of rebate data, calculate rebate status of corresponding rebate customers on the rebate calculation platform.

- Support rebate calculation of rebate settlement org. under specified rebate policy, rebate mode and rebate cycle;
- On the rebate calculation platform, the matching of rebate policy and amounts to be rebated under the rebate policy will be calculated to generate corresponding rebate settlement.

5. Rebate Settlement

Based on rebate calculation result, the system will auto generate rebate settlement. According to the rebate method, it can achieve three processes of rebate customers including offset, cashback or gift.

- When rebate return method is offset receivables, based on rebate settlement, miscellaneous receivables (red-ink) of corresponding customer can be generated by association to complete the rebate process;
- When rebate return method is cashback, based on rebate settlement, miscellaneous payable of corresponding customer can be generated by association to complete the rebate process;
- When rebate return method is gift delivery, based on rebate settlement, miscellaneous delivery can be associated to complete the rebate process;
- When rebate return method is return to account balance, based on rebate settlement, the amount will be credited in account balance of customer.

6. Rebate Balance

Based on the rebate method customer using in rebate credit the amount of rebate settlement into corresponding balance of rebate account, in subsequent ordering, customers are allowed to use the balance to offset payment.

- Support users to use different rebate accounts;
- Support to initialize balance of customer rebate account;
- Support query of customer rebate detail flow.

2.3.11 B2C e-Commerce Center

B2C e-Commerce center is the bridge which connects Taobao, JD and other third-party e-Commerce platforms with ERP to achieve uniform receipt/order processes of third-party e-Commerce platform as well as connection with inventory control and financial accounting, it provides a one-stop e-Commerce solution for enterprise online transaction+offline e-Commerce order centralized process center+ERP SCM+ERP Financial Management.

2.3.11.1 Main Functions

1. Online Store Access

1) Order 100 Access

- Support order 100 interface, all platform online stores supported by order 100 can be linked, such as: Taobao, JingDong, Yihaodian, Amazon, Vipshoip, Dangdang, Taobao Distribution, etc.

2. Online Store Management

1) Online Store Management

- Download online store linked to via order 100, you can also manually create new online stores;
- Maintain and manage master data and distribution network of online stores.

2) Online Store Distribution Rules

- Establish distribution relationship among sales org, online store, distribution network, region, material and warehouse, when downloading the order, the system will auto find the optimum distribution warehouse org. and warehouse according to order receipt address and distribution rules.

3. Commodity Management

Used to establish mapping relationship between online store commodity and offline ERP material and kits, it is the prerequisite to convert commodity info in order into ERP material and kit when downloading orders.

- Support mass mapping of commodity and material.

4. Kit Management

Used to maintain master data of kit, one kit can be composed of multiple materials of the same type or different materials. Kit management is the basis of kit commodity sales for online e-Commerce platform, when downloading the order, one kit commodity on online e-Commerce platform can be divided into multiple materials for material picking and delivery.

- Support to maintain master data of kit.
- The kit can be mapped to online commodity through commodity management;
- Support kit to be involved in promotion as a whole;

5. Order Center

Central management of orders downloaded from each online store.

- Support auto download and manual download these two methods;
- When downloading order, auto analyze commodity on order into ERP materials, if it is a combined commodity, it will be auto analyzed into multiple materials;
- Support to auto match with promotion policy, manually match with promotion policy and manually add gift when downloading order;
- Support to auto merge and manually merge orders when downloading them;
- Support auto distribution of inventory, lock stock when inventory is sufficient when submitting orders;
- Support auto submit, approve and set auto approval rules when downloading orders;
- Support full tracking of order processing status;
- Support to edit, close and freeze order;

6. Picking Center

1) Picking Management

After approval of B2C order, split packages based on auto generated material picking, confirm express company of delivery and print material picking docs (such as: material picking, logistics docs and goods delivery).

- When generating picking docs, the system will auto match the best express company based on receipt address and manual mass edition is supported;
- Support merging and splitting of packages, for merging, auto merging and manual merging these two methods are supported;
- Support to generate a unique package No. for each package used to identify it during offline picking and goods delivery;
- Support several picking modes including picking by batch based on orders, merged picking based on material before secondary picking, picking of single products and picking of the same order, etc.
- Support picking by warehouse location, L/N, validity period and goods owner;
- Support multiple interfaces of electronic waybill: Cainiao, JD express, Shentong, Yuantong, Baishikuaidi, Shunfeng and Kuayue, etc.

2) Goods Inspection Management

After completing offline material picking, based on business needs, inspector can examine the goods picked to avoid mistakes, shortage or repeated delivery. Inspection management includes common inspection and mass inspection.

- Support to enter logistics doc No. or package No. by scanning guns, the system will auto call picking docs corresponding to packages to be inspected.
- Support to enter material barcode or code by scanning guns and auto inspect goods;
- Support mass inspection by batch No. or by logistics doc No;
- During inspection, the system will remind users the success or failure of inspection by multiple forms including texts, voice and pop-up windows to improve the inspection efficiency;

3) Weighing Management

After completing offline picking, based on business needs, the weigher will weigh the picked goods to re conciliate with logistics company, meanwhile it is a second inspection of the goods to be delivered (to detect shortage of repeated delivery by weight). Generally, the weighing process is after the inspection process.

- Support integration with electronic weigher to auto acquire weight on electronic weigher;
- Support to auto calculate the shipping fee based on calculation rules of each express company;

2) Delivery Management

After completing picking, inspection and weighing, upload the processes order status on to third-party online store and generate corresponding sales delivery in ERP;

- Support mass uploading of delivery status;
- Support mass generation of sales delivery;
- Support to backfill all delivery info (such as: delivery logistics company, logistics doc No, inspection time, weighing time, delivery status uploading time, goods delivery generating time, etc.) to B2C order for order supervisors to view;

2) Self-pickup Management

For orders with logistics method self-pickup, after generating picking docs, they will enter the management module of self-pickup for uniform management. After completing self-pickup in the shop, self-pickup docs will be transferred to delivery management like other picking docs to upload status and generate sales delivery.

7. After-sales Center

Achievement management of business flows for after-sales including goods return and refund, refund without return, goods return/exchange, goods return/replenishment, goods replenishment, etc.

- Support to download after-sales status of online order, generate after-sales docs through B2C order to achieve various after-sales businesses;

8. Inventory Center

Achieve comprehensive inventory query and in-transit inventory query.

- Comprehensive inventory query can query inventory qty, in-transit qty, available qty and book qty of all materials by material, inventory org, warehouse and auxiliary property.
- In-transit inventory query can query requested demand and approved qty of material by material, auxiliary property, inventory org. and warehouse summary.

2.3.12 Guanyi e-Commerce Interface

Support perfect integration of Guanyi e-Commerce products (C-ERP, OMS) and Kingdee Cloud;

2.3.12.1 Main Functions

- Support master data sync and mapping of online store, warehouse, commodity, express company, goods owner (supplier) between Guanyi e-Commerce and Kingdee Cloud.
- Support integration of non-sales delivery/receipt data between Guanyi e-Commerce and Kingdee, such as: integration of direct stock transfer, multi-step transfer, purchase warehouse receipt and warehouse return;
- Support integration of sales related orders and delivery data between Guanyi e-Commerce and Kingded Cloud.

2.3.13 Whole-net Member

Whole-net member management aims at helping enterprise to improve member loyalty and establishing professional membership service system to provide uniform member ID management and achieve inter-link of member rights and interests among multiple platforms. Through establishing member big data portrait, precise marketing can be achieved to help enterprise transform towards the Internet direction.

Whole-net members can directly access buyers info on order through B2C e-Commerce center.

Key features of whole-net member management:

1. Member centralized management:

Provide uniform management of whole-net members, including online members from e-Commerce platform, chain members from offline stores and distribution members from agents, etc;

2. Uniform ID:

Auto unify ID by phone numbers, mails and other conditions;

3. Shared interests:

Membership interests (including member points and rebates, etc.) are the keys to draw members. Interests among multiple platforms can be inter-linked and shared, which is the common desire of enterprise and consumers;

4. Uniform marketing:

Establish member portrait (or member tag) through big data and conduct precise marketing based on member portrait.

2.3.13.1 Main Functions

1. Member Rank

- Managing info of member rank isto divide different ranks based on member types.

2. Member Account

- Manage interest accounts of members, including point account, amount account, growth and rebate, etc. all account balance of members must be saved by account.
- Support to query balance of each account of every member,as well as the balance details.

3. Member Record

- It records all member record info of sales front, including e-Commerce platform, chian stores and member record from Wechat;
- When downloading B2C e-Commerce orders, buyer info will auto generate member record to be uniformly managed by the enterprise.

4. Whole-net Member

- Auto generate corresponding whole-net member according to member record, uniform ID processing of whole-net members is provided by phone numbers or mails;

- Support whole-net members to view ID, their individual member components and query of member balance.

5. Interest Rules

- Support to set member point rewarding rules;
- Support to set member prepaid deposit rules;
- Support to set member point redemption rules;

6. Member Prepaid Deposit

- Through prepaid deposit management of members, fill in deposit balance of this doc and calculate whether points should be given or amount should be presented.

7. Member Point Redemption

- By point redemption orders, record commodities redeemed by members on the order;

8. Marketing Coupon

- Manage the settings of member marketing and record the releasing of coupons to members.

2.4 Manufacturing Cloud

2.4.1.1 Main Functions

1. BOM

Bill of material, shortened as BOM, records material and consumption of materials needed for product processing, it is the important master data for businesses including planning, manufacturing and subcontracting.

- Support creating, maintenance and approval of BOM;
- Support sharing and distribution of multiple orgs;
- Support management of multiple versions;
- Support management of multiple purposes (self-made, subcontract and general, etc.);
- Support co/by-product and returned parts management;
- Support mass definition of usage (BUoM) and scraps for subitem materials;

- Support flexible scrap and fixed scrap;
- Auxiliary property of subitem material and co/by-product is supported;
- Support flexible unit conversion of BOM subitem unit;
- Support mass edition of auxiliary property for subitem materials;

2. BOM Query

1) BOM Explosion Check

- Support BOM single-level forward explosion and multi-level forward explosion;
- Support query of co/by-product, returned parts and substitutions;
- Support BOM forward explosion by demand date and demand Qty.

2) BOM Where-used Check

- Support BOM single-level backward explosion and multi-level backward explosion;
- Support query of substitutions;
- Support BOM backward explosion by demand date;
- Support BOM backward explosion by material auxiliary property.

3) Query BOM Summary

- Support forward query of BOM subitem summarized consumption;
- Support BOM query by demand date and demand Qty.
- Support query of purchased materials.

4) BOM Comparison

- Support BOM comparison of different products and comparison of the same product of different versions;
- Support comparison of configuration BOM and standard BOM;
- Support single-level comparison and summarized comparison;
- Support display of substitutions and purchased materials only;
- Support preview and print of comparison results

3. BOM Tree Maintenance

To maintain BOM more intuitively and conveniently, Kingdee Cloud provides BOM tree maintenance.

- The tree displays BOM structure of the whole product;
- Support BOM maintenance of the whole product, including: edit, approve and distribute, etc;
- Support mass submission and approval;
- Support cross-org. BOM maintenance;
- Mass distribution is not supported.

4. BOM Mass Maintenance

- Mass edition of related info of BOM version is supported;
- Support to mass add subitem materials to multiple BOM;
- Support to edit certain subitem material in multiple BOM;
- Support to substitute certain subitem material in multiple BOM;
- Support to delete certain subitem material in multiple BOM;
- When editing and substituting subitems, support inheritance of field value;
- Support mass generation of engineering change.

5. Material Substitution

By defining substitutions of subitem material in BOM, Kingdee Cloud can help enterprise manage substitution of materials.

- Support material substitution and replacement;
- Support three substitution strategies including mixed consumption substitution, whole batch substitution, whole batch+mixed consumption and manual substitution;
- Support single substitution and combination substitution;
- Support substitution of material auxiliary property;
- Support to define common material substitution as schemes for later use;
- Support to auto carry substitution when saving BOM
- Support mass setting of BOM substitution through substitution schemes, with combination substitution type as an exception.

6. Product Configuration

Kingdee Cloud provides product configuration function to help enterprise select and configure product structure based on customer demands and according to the result, to conduct manufacturing of products and semi-finished products and purchase or raw materials.

- The tree displays BOM structure of the whole product, you can choose to only display configurable parts;
- Support configuration businesses including single choice, multiple choice, add, substitute and edit;
- Support multi-level configuration;
- Support cross-org. configuration;
- Support product configuration on sales order, MO and subcontract order.

7. Product BOM Distribution

- Support BOM distribution based on whole product tree as the object and auto construct BOM relationship of each level;
- Support distribution of common product and configuration product;
- Support mass distribution of multiple products and multiple target orgs.

8. Engineering Change

- Support three change businesses including change immediately, change by specified date and use new material after old material;
- Support version upgrade and BOM update;
- Support change requisition;
- Support change effect analysis;
- Support old material clearing;
- When substituting subitems, support to choose whether to keep substitution material;
- During version upgrade, support to manually specify version No. after upgrade.

9. Model Configuration

Different from traditional expansion of BOM by trees of "Product Configuration" to conduct checking, edition and deleting, the model configuration mainly targets at sellers,

customers and agents, BR does not need to know about product BOM structure or levels, they can select product feature value based on demands, such as: color-red, size-large, etc.

After select feature value of product, the system will auto generate BOM of finished product and semi-finished product based on subitem BOM and configuration rules preset, and it will be linked with other businesses including subsequent planning, manufacturing/subcontract, inventory and costing.

- Support to define modeling variables;
- Support to define model rules;
- Support to define product models;
- Support product model configuration

10. Work Calendar

Work calendar refers to calendar prepared based on natural calendar deducting non-work days, and specific work hours will be clearly defined through shifts based on work days, it is the calendar particular to ERP system.

Kingdee Cloud work calendar is a multi-org and multi-level calendar, for different levels, feature calendar can be flexibly defined. Through work calendar template, it can be quickly generated, updated or extended; also, time resource of all levels which quote this work calendar can be adjusted through work calendar.

11. Routing

Routing is a series of operation description which explains the routings and resources used for manufacturing products or processing parts, it is the routes of product processing.

Kingdee Cloud routing can specify work center, operation activity and activity volume of each operation. Routing provides important info for operation plan, capacity plan, generation of workshop files and product cost; it supports to add, edit, delete and distribute routing data, etc.

Kingdee Cloud routing supports serial technique, parallel technique, operation overlap, rework technique and technique substitution.

12. Related Master Data of Production Line

- Support to define production line
- Support to define material relationship on production line
- Support to define time of material picking/delivery
- Support to define relationship of BOM and production line stations

13. Related Master Data of Flexible Production

- Support definition of flexible production line
- Support definition of relationship between flexible production line and material
- Support definition of flexible routing
- Support definition of tag template
- Support definition of technical files

2.4.2 Plan Management

2.4.2.1 Main Functions

1. Plan Scheme, MRP Calculation and Reservation

Plan scheme provides basic parameter settings for MRP calculation, plan systems of different enterprises are adapted by establishing plan schemes. According to selected plan scheme, MRP calculation is to confirm the range of demand and supply, net demand balance formula and the degree of material reservation release.

Material reservation types provided by system include strong reservation and weak reservation, you can set it on the tab of material plan control. Strong reservation can be established by MRP calculation and manual specifying, the reserved supply will not be occupied by other demands during specific business (such as sales delivery, production material picking; other demands added during MRP calculation); weak reservation is established by MRP calculation, the reserved supply will be occupied by other demands in sales delivery and production material picking, if you select to occupy weak reservation by priority in MRP calculation, demands of strong reservation type or other weak reservation demands will snap it; through setting of reservation parameters, you can keep demand and supply matching result of the previous MRP completely (do not release

reservation) or partially (release weak reservation only) to achieve MRP net demand calculation and order inserting calculation.

Kingdee Cloud supports to occupy supply by demand priority; meanwhile the traditional calculation order of occupying supply by demand time is also supported. Demand priority is influenced by customer priority, demand qty load and demand time, the related formulas are provided for customers adjustment.

Kingdee Cloud supports to establish corresponding planning zone of workshop and conduct MRP calculation by planning zone layers. If enterprise application scenario is finished product, MRP calculation will be conducted first, based on production capacity adjustment, semi-finished product workshop will be calculated and purchased parts will be calculated last. Through MRP calculation by layer, the problem of enterprise planning collaboration can be solved.

Plan nodes applicable for plan schemes preset in system:

1) MTS

- Sales order and forecast will be considered
- Only weak reservation will be released, keep strong reservation matched in previous MRP calculation to achieve rolling plan;

2) MTO

- Sales order will be considered
- Reservation will not be released, sales order involved in calculation will keep the occupied docs and inventory completely, the new sales order involved in calculation will product new supply;

3) MPS

- MPS plan order will be considered for MPS plan use exclusively'
- Reservation will not be released, keep all reservation matched in previous MRP calculation to achieve rolling plan;

2. Planned Order

- Plan order will be produced in shortage after matching of demand and supply in MRP calculation;

- Release types of plan order include production, subcontract and purchase, they will be released to product MO, subcontract order and purchase requisition respectively, the relationship between original demand record to plan order will be transferred to MO, subcontract order and purchase requisition released and to inventory with warehouse receipt of business docs.

3. Forecast Doc

Cross-org. forecast and offset is supported.

4. Multi-org. Forecast Offset

Cross-org. forecast offset is supported as well as offset of inter-org. demand and forecast.

5. Inter-org. Demand Doc

- Under collaboration plan mode, inter-org. gross demand is passed by inter-org. demand, demand org. and supply org. will be isolated by inter-org. demand;
- During material transfer between supply and demand orgs, demand qty on inter-org. demand will be deducted;
- Inter-org. demand can be mass maintained, mass edited or newly added;

6. Manual Reservation

- Manual reservation function of sales order, forecast and MO is provided;
- Allow to manually reserve supply docs and inventory of all subitem materials under this product and its tree product structure;
- For MRP calculation and business flows, strong reservation relationship can be established manually;

7. Planner Workbench

- It is an integrated working platform, used to display current supply and demand balance dynamically, corresponding supply will also be displayed based on demand to facilitate planners' understanding of demand and supply. Provide adjustment, approval and release of plan order;
- Provide tracking of exception info prompt and material reservation to enable planners to quickly respond to production;

- Supply and demand tracking displayed by Gantt chart is supported on planner working platform;

8. Plan Calculation Wizard

- Support precise doc selection calculation, order/forecast demand outside selected docs will not be considered when calculating lower level material demands to narrow the calculation range and enhance performance.

9. Mass Plan Calculation Wizard

- Support multi-org. mass MRP calculation, multiple orgs can be selected for mass MRP calculation by order.

10. Reports Query

- Reservation comprehensive query, material reservation status can be queried upside and downside by this function.
- Material supply/demand summary can be used to summarize and display material demand/supply info;
- Material supply/demand details can be used to display material detailed supply/demand info.
- Material substitution suggestion is used to display material substitution info on execution doc from the angle of sales order/forecast;
- MRP exception info query is used to display advanced and postponed exception info after MRP supply/demand balance calculation for planners' reference;

11. Parameter Settings

- Enable reservation: parameters of data center level, after enabling it, complete material reservation system will be constructed on bottom layer of system and it can auto switch reservation according to business operations including doc conversion, warehouse receipt and material picking to keep the latest material reservation info;
- Dynamic priority, priority formula: based on priority formula, the system will auto update priority of independent demand and distribute inventory and supply doc

in MRP calculation based on demand priority; this formula mainly considers customer importance, urgency of demand time and load of demand qty;

2.4.3 Production Management

Kingdee Cloud production management takes MO as the main line to achieve core business flows of production management, including: MO management(create, approve, release, close, etc.), MO BOM management, material picking/replenishment management, finished report management, production warehouse receipt management and change management of MO, etc.

Kingdee Cloud production management supports inter-org. part collaboration and so on, provides production management solutions based on multiple orgs; it is closely integrated with sales, inventory and other businesses and becomes the business support of cost and G/L business.

2.4.3.1 Main Functions

1. MO

MO is the core doc of production management, it is the important basis for plans to arrange production, workshop manufacturing, material picking, production report and warehouse product receipt. Kingdee Cloud MO support order collection of multiple entries to conduct centralized release, material picking, report and warehouse receipt of MO.

1) Business Overview

- Support business types including common production, rework production, subcontract processing and inter-org. OEM,etc, production of split part is not supported.
- Support production business of co/by-product;
- Support production business without BOM;
- Support production business of product configuration;
- Support application of L/N and auxiliary property;
- Support doc type to achieve difference control of production businesses through doc types, such as: checking production receipt material picking, close MO.
- Support set operable doc range type based on users.

- Display material picking status info on MO

2) Order Creation

- Directly create MO;
- Generate MO from sales order and product forecast;
- Release production plan order to generate MO;
- Generate MO by generating subordinate MO.
- Support to add co/bu-product temporarily.

3) Order execution

- Plan Confirmation

It is the basis to decide whether MO entry will be involved in MRP calculation.

- Release

Plan department will release production order to workshop and production line;

After the release, material picking and return is allowed on MO entry.

- Start

It is the feedback from workshop and production line to plan department, it signifies MO entry has started or is about to start production;

After start, production report and warehouse receipt are allowed on MO entry.

- Finish

It signifies that production order has been completed or terminated;

After finishing it, production warehouse receipt is not allowed, but material picking and return as well as MO report are allowed.

- Close

It signifies that MO order has been closed;

After closing, material picking/return, MO report and production warehouse receipt will not be allowed;

Support forceful closing;

Support auto closing.

4) Order Change

- Support two change methods: new and edit;

- Support edition of date and qty, etc. on MO entry, change of material code and BOM version is not supported;
- Do not support to delete MO entry;
- Do no support to withdraw change.

5) Generate subordinate MO

- Display product multi-layer BOM in trees, support selection based on demand;
- Support cross-org. generation of subordinate MO and subcontract order.
- Support two methods: generate on current doc and generate on new doc.

6) Inter-org. Consigned Processing

- Support inter-org. consignment and commissioned businesses;
- Support inter-org. continuous consignment flow;
- Support business flow of product configuration+inter-org. consignment;
- Support two types: full material supply from consignment org. and partial material supply from consigning org;
- Support MO report and warehouse receipt of commissioned orgs;
- Support expense settlement of consignment org. and production org.

2. Production BOM

Production BOM is the important doc to guide production, it is auto generated by the system based product BOM and MO entry to record detail info of materials required on MO entry, including: material NO. unit consumption, quota consumption, material picking qty, material return qty, qty consumed and WIP qty, etc.

1) Function Feature

- Support maintenance of BOM, including: adding new subitems and edit consumption, scrap and material issuing operation of subitems; do not support edition of material code or deletion of subitems;
- Support maintenance of use proportion for substitution material as well as the substitution setting and deletion;
- Support WIP material management including: material picking, replenishment, return, consumption, scrap and balance, etc, two deduction methods including

report and warehouse receipt are supported;

- Support setting of issue method including direct material picking, direct backflush, transfer material picking, transfer backflush and do not issue;
- Support to set material issue org, material issue warehouse, whether over delivery is allowed and whether to deliver scrap, etc.

2) BOM Change

- Support edition by de-approval and change on change order, whether to enable change management can also be set based on MO type;
- Support to add and edit subitems including: consumption and scrap, etc. do not support to delete subitems;
- Do not support to withdraw change of BOM.

3. Production Material Picking

- Mainly used in production material picking within standardized quota range and re-picking after qualified goods return and incoming defect material return;
- Support operation material issue and split warehouse issue;
- Support three control methods of over delivery including "Do not control", "Strictly control" and "According to mini. packaging";
- Support cross-org. material picking and inter-org. settlement;
- Do not support material picking without MO, we suggest you deal with it through transfer+backflush or transfer+variance apportionment.

4. Production Material Return

- Mainly used in material warehouse return during manufacturing, including incoming defect material return, qualified material return and operation defect material return;
- Support recording of material return reasons;
- Support warehouse return of returned parts;
- Support return business of materials out of schedule'
- Support cross-org. material return and inter-org. settlement;

5. Production Material Replenishment

- Mainly used in production material replenishment out of standardized quota range, including operation defect warehouse return and production material replenishment after material scrap;
- Support material replenishment out of BOM;
- Support recording of material replenishment reasons;
- Support cross-org. material replenishment and inter-org. settlement;

6. Production Preparation

- Support kitting analysis: according to priority of MO, analyze material kitting of each MO to determine whether the MO can be started or how many kits can be started;
- Support material out-of-stock analysis: after warehouse receipt of material, the warehouse will analyze whether the newly received materials are materials needed in the workshop. If it is, the warehouse will prepare the material and notify the shop floor for material picking;
- Support material shortage analysis: summarize MO to be input in the future, analyze whether current materials are sufficient and which materials are in shortage, track and prompt the shortage material;
- Support material preparation analysis without order;
- Material substitution relationship is considered in kitting analysis and material shortage analysis.
- Support to generate production material picking based on kitting analysis and material shortage analysis results.
- During kitting analysis and material shortage analysis, support to deduct unapproved material picking then acquiring inventory;
- In kitting analysis, material and qty required for transfer can be suggested based on material preparation kits, workshop warehouse and transfer strategy.

7. Backflush Material Picking

Kingdee Cloud support backflushing material picking business, that is, after MO report or production material receipt, deduct material inventory based on material unit consumption. Through backflush material picking, enterprises can simplify material receipt/delivery operation to improve business processing efficiency.

- Support background backflush: when approving MO report and production warehouse receipt, the system will auto generate backflush material picking in the background. When inventory is insufficient, it can be generated by available inventory;
- Support interactive backflush: generate maintenance interface of backflush material picking based on MO report and production warehouse receipt, users can adjust the material picking by actual consumption;
- Support two backflush timing including report backflush and warehouse receipt backflush, support to set the timing by material;
- Support batch management;
- Interactive backflush supports S/N management while background backflush does not support this;
- Support warehouse receipt backflush of co/by-product;
- Provide production backflush platform: display material backflush status of each subitem material on MO dynamically, for materials with inadequate backflush, backflush material picking can be generated by supplementing the inadequate part.
- Support to generate backflush material picking based on qty to be backflushed, that is, inventory will not be considered when generating backflush material picking.

8. Production Material Appropriation

Used to move workshop WIP materials from one or multiple MOs to other MOs. Through production material appropriation, fake material return and picking can be created to simplify doc transfer process of material in workshop.

- Support three transfer-out types including residual material, over delivery and kit.

- Support three transfer-in types including unpicked material, material shortage and kit.
- Support mass material appropriation and auto matching.

9. MO Report

- Support to report start time, end time, work hour, machine hour and production qty, etc. by MO;
- Support to report abnormal situations in workshop, such as: equipment failure, out-of-stock suspension, etc. and support to record the reasons of abnormality and the responsible departments;
- Support report of product S/N;
- Support MO report of co/by-product out of plan;
- Support statistics and analysis of production efficiency and invalid work hours.

10. Production Receipt

- Support warehouse receipt of qualified products and unqualified products;
- Support warehouse receipt of main product, co-product and by-product;
- Support control of delivery floor and ceiling;
- Support check and control of material picking;
- Support management of batch, S/N and auxiliary property;
- Support cross-org. warehouse receipt;
- Support goods owner transfer and inter-org. settlement during production receipt;
- Support warehouse receipt of co/by-product out of plan.

11. Production Warehouse Return

Used after production receipt when problem products are found out and they need to be returned to workshop for reworking or if there is a mistake in product code and order No, they need to be returned and received in warehouse.

- Support warehouse receipt of qualified products and return of unqualified products;
- Support warehouse return of main product, co-product and by-product;

- Support management of batch, S/N and auxiliary property;
- Support cross-org. warehouse return.
- **Production warehouse return of inter-org. OEM MO is not supported currently;**
- Closed MO is not allowed to conduct production warehouse receipt, it must be de-closed first.

12. BOM Change

- Support changes including de-approve edition and change on change order;
- Support to add new subitem materials, new substitution material is not supported;
- Support to edit consumption, scrap and substitution material of subitem materials.
- Do not support to delete or substitute subitem materials;
- Do not support to withdraw change of BOM.

13. Variance Apportionment

Used in variance process of backflush material workshop inventory and account inventory.

Through variance apportionment, inventory variance can be apportioned into production cost through production material replenishment and production material return.

The system also supports inventory variance process of non-backflush materials, but this usage is not suggested.

- Support apportionment of material inventory gain/loss by date range, product warehouse receipt Qty and material unit consumption;
- Support batch management; do not support S/N management.

14. Reports Query

- MO execution summary, gather statistics of product input, completion and warehouse receipt status ;
- MO execution details, used to gather statistics of MO execution status;
- MO material picking summary, mainly used to gather statistics of MO material picking kits;
- MO material picking variance analysis, gather statistics of material picking abnormalities, including material defect return, operation defect return, material replenishment and scrap, etc. by different summary methods;

- Production material picking variance analysis summary is mainly used to display the variance between planning material using of product and actual production material picking.
- Production material picking receipt query is mainly used to query warehouse receipt and material picking of each MO by period.
- Production material picking details is mainly used to query product warehouse receipt info and subitem material picking and consumption, etc. in execution.

15. Parameter Settings

- MO auto execution: set auto execution in certain periods to simplify systematic processing of production businesses;
- Backflush material picking control: set default backflush method and backflush timing of material;
- WIP material deduction control: set when to deduct WIP Qty of material;
- Material picking control in production warehouse receipt: set the control intensity and control range of material picking;
- Production closing control: set MO closing control intensity and control range.

16. Production Month-end WIP Transfer

Before production costing, some industries (such as: chemistry) require transfer-out of WIP materials to transit warehouse at the end of month to ensure the accuracy of costing. At the beginning of month, the transferred-out materials will be transferred back to the original MO or a new MO.

- Support two types of transfer: intra-order transfer and inter-order transfer.

2.4.4 Subcontract Management

When production is under capacity or there is a shortage of corresponding resources and technologies, enterprise need to issue the semi-finished products or raw materials to subcontract supplier for processing in order to delivery the order on time.

Kingdee Cloud supports subcontract processing businesses including subcontract order, purchase order, material feeding, material issue, material warehouse receipt, material

write-off and expense settlement. In Kingdee Cloud, businesses in subcontract processing logistics section are collaboratively completed by subcontract org. and purchase org., this chapter mainly depicts the business flows completed by subcontract org. in subcontract processing and the related purchase flows involved in subcontract purchase (that is the purchase order in subcontract).

2.4.4.1 Main Functions

1. Subcontract Order

Subcontract order is the order given by subcontract org. (or planning department), it is the source basis for purchase org. (or purchase department) to contact subcontract supplier for subcontract processing, warehouse material issue and processed parts receipt.

1) Business Overview

- Support common subcontract and rework subcontract businesses, do not support operation subcontract and continuous subcontract;
- Support subcontract business of co/by-product;
- Support subcontract business without BOM;
- Support subcontract business of product configuration;
- Support application of L/N and auxiliary property;
- Support doc type to achieve difference control of subcontract businesses through doc type.

2) Subcontract Order Creation

- Create subcontract order directly;
- Generate subcontract order from sales order and product forecast;
- Generate subcontract order from release of subcontract plan order.
- Support to add co/bu-product temporarily.

3) Subcontract Execution

➤ Plan Confirmation

It is the basis to decide whether subcontract order entry will be involved in MRP calculation.

➤ Release

The plan department will give the order to purchase, warehouse and other departments;

After releasing, subcontract purchase order can be generated and material picking/return can be conducted by associating with subcontract order entry.

➤ Finish

It signifies that subcontract order has been completed or terminated.

➤ Close

It signifies that subcontract order has been closed;

After closing, material picking/return will not be allowed;

4) Generate Subordinate Order

➤ Display product multi-layer BOM in trees, support selection based on demand;

➤ Support cross-org. generation of subordinate subcontract order and MO;

➤ Support two methods: generate on current doc and generate on new doc;

➤ Support to designate doc type.

2. Subcontract BOM

Subcontract BOM is the important doc of subcontract processing, it is auto generated by the system based product BOM and subcontract order entry to record detail info of materials required on subcontract order entry, including: material NO. unit consumption, quota consumption, material picking qty, material return qty, qty consumed and WIP qty, etc.

1) Function Feature

➤ Support maintenance of BOM, including: adding new subitems and edit consumption, scrap and material issuing operation of subitems; do not support edition of material code or deletion of subitems;

➤ Support maintenance of use proportion for substitution material, but adding new substitution material is not supported currently;

➤ Support WIP material management including: material picking, replenishment, return, consumption, scrap and balance, etc.

➤ Support setting of issue method including direct material picking, direct backflush,

transfer material picking, transfer backflush and do not issue;

- Support to set material issue org, material issue warehouse, whether over delivery is allowed and whether to deliver scrap, etc.

2) BOM Change

- Support edition by de-approval and change on change order, whether to enable change management can also be set based on subcontract order type;
- Support to add and edit subitems including: consumption and scrap, etc. do not support to delete subitems;
- Do not support to withdraw change of BOM.

3. Subcontract Purchase Order

Please refer to related chapters of purchase management.

4. Subcontract Material Preparation

- Support kitting analysis: according to priority of subcontract order, analyze material kitting of each subcontract order to determine whether the order can be started or how many kits can be started;
- Support material shortage analysis: summarize subcontract orders to be input in the future, analyze whether current materials are sufficient and which materials are in shortage, track and prompt the shortage material;
- Support material preparation analysis without order;
- Material substitution relationship is considered in kitting analysis and material shortage analysis.
- Support to generate subcontract material picking and direct stock transfer based on kitting analysis results.

5. Subcontract Material Picking/Return

- Support subcontract material picking, material return and material replenishment;
- Support issue by separate warehouse;
- Support three control methods of over delivery including "Do not control", "Strictly control" and "According to mini. packaging";
- Support cross-org. material picking/return/replenishment and inter-org.

settlement;

6. Subcontract Backflush

Kingdee Cloud supports material management mode of subcontract material transfer+subcontract backflush, which is: process the issue of subcontract materials through stock transfer and back-calculate material consumption by material unit consumption after subcontract goods receipt. Through backflush material picking, enterprises can simplify material delivery operation and facilitate the management of subcontracted materials.

- Support to generate subcontract stock transfer based on subcontract order;
- Support background backflush: when approving warehouse receipt of subcontract type, the system will auto generate backflush material picking in the background. When inventory is insufficient, it can be generated by available inventory. When approving material return of subcontract type, the system will auto generate backflush material return in the background.
- Support interactive backflush: generate maintenance interface of backflush material picking/return based on material receipt/return of subcontract type, users can adjust it by actual consumption;
- Support batch management;
- Interactive backflush supports S/N management while background backflush does not support this;
- Support backflush closing, used in business scenarios in interactive backflush mode which do not need to be conducted with adequate amount;
- Provide subcontract backflush platform: display material backflush status of each subitem material on MO dynamically, for materials with inadequate backflush, backflush material picking can be generated by supplementing the inadequate part.

7. Subcontract Goods Receipt, Warehouse Receipt and Goods Return

Please refer to related chapters of purchase management.

8. Subcontract Write-off

- Do not support subcontract material write-off, we suggest you handle it though subcontract transfer+subcontract backflush.

9. Subcontract Order Change

- Support two change methods: new and edit;
- Support edition of date and qty, etc. on subcontract order entry, change of material code and BOM version is not supported;
- Do not support to delete subcontract order entry;
- Do not support to withdraw change.

10. BOM Change

- Support changes including de-approve edition and change on change order;
- Support to add subitem material and settings of substitution;
- Support to edit consumption, scrap and substitution material of subitem materials.
- Do not support to delete or substitute subitem materials;
- Do not support to withdraw change of BOM.

11. Subcontract Month-end WIP Transfer

Before subcontract costing, some industries (such as: chemistry) require transfer-out of WIP materials to transit warehouse at the end of month to ensure the accuracy of costing. At the beginning of month, the transferred-out materials will be transferred back to the original subcontract order or a new order.

- Support two types of transfer: intra-order transfer and inter-order transfer.

12. Subcontract Backflush Variance Apportionment

Enterprises take inventory of materials issued to supplier regularly, there is a variance of actual inventory and account inventory and if the variance is within a reasonable range, variance apportionment can apportion it into subcontract product cost by subcontract material replenishment (inventory loss) and subcontract materials lost (inventory gain).

- Support apportionment of material inventory gain/loss by date range, product warehouse receipt Qty and material unit consumption;

- Support batch management; do not support S/N management.

13. Subcontract Over Consumption

For over consumption material of supplier in subcontract process, if the supplier is to assume responsibility, inventory deduction and subsequent receivable/payable process can be conducted through subcontract over consumption.

14. Reports Query

- Subcontract Order Execution Summary;
- Subcontract Order Execution Details;
- Subcontract Order Material Picking Summary;
- Subcontract Material Picking Exception Summary;
- Subcontract Warehouse Receipt Material Picking Query.

15. Parameter Settings

- Subcontract order auto execution: set auto execution in certain periods to simplify systematic processing of subcontract businesses;
- Backflush material picking control: set default backflush method of material;
- Material picking control in subcontract warehouse receipt: set the control intensity and control range of material picking;
- Subcontract closing control: set subcontract order closing control intensity and control range.

2.4.5 Workshop Management

Kingdee Cloud workshop management provides full supervision and control for enterprise from operation plan, operation scheduling, operation split, operation dispatch, operation report, operation transfer to product warehouse receipt, etc. to facilitate enterprise fine management, acquire info of manufacturing activities in workshop and manage the production process;

Kingdee Cloud workshop management fully support network technique, multi-plant operation collaboration to satisfy the complex routing management requirement from

BOM flattening, improve enterprise workshop control and provide business support to Amoeba operation costing;

Kingdee Cloud workshop management supports operation plan forward scheduling, backward scheduling, offset time scheduling and creative mixed scheduling algorithm of operation plan to help Chinese enterprises transfer from extensive management to fine management so that the preparation of operation plan can be more reasonable.

2.4.5.1 Main Functions

1. Operation Plan

Kingdee Cloud operation plan is the core basis of workshop management, fine workshop management needs to implement production control to each operation, operation plan will provide operation management function from operation plan generation, operation schedule to plan confirmation/release/start/finish/close and provide support for fine workshop management.

1) Business Overview

- Support network routing (parallel, substitution and rework);
- Support operation scheduling (forward scheduling, backward scheduling and offset time forward scheduling);
- Support customized scheduling model and scheduling parameter selection;
- Support cross-plant operation collaboration and settlement;
- Support customized operation preparation/process/disassembly activity;
- Support calculation formula of customized preparation duration, processing duration and disassembly during;
- Support subcontract operation definition;
- Support operation split;
- Support operation overlap;
- Support operation status control and skip: create, plan, plan confirmation, release, finish and close.
- Support first operation split and middle operation split of operation plan;
- Support parent/child doc of operation plan;

- Support operation subcontract, settlement;
- Support operation transfer;
- Support operation dispatch to group, shift, personnel and equipment;
- Support to generate operation material picking by methods of kitting and replenishment.

2) Creation of operation plan

- Doc type parameter "Enable Operation Tracking" on MO = Yes, after plan confirmation, MO can generate operation plan;
- Operation plan can be auto or manually generated;
- When generating operation plan, auto scheduling or manual scheduling is supported;
- After changing MO, you can auto/manually update the corresponding operation plan.

3) Plan scheduling

- Four built-in scheduling modes: do not schedule, standard forward scheduling, standard backward scheduling and standard offset time forward scheduling;
- You can conduct scheduling on single doc or conduct mass operation scheduling on the list interface;
- After scheduling of operation plan, the status changes into "Plan".
- Operation plan scheduling on parent doc is associated with scheduling child doc;

4) Order execution

➤ Plan Confirmation

After confirming the operation plan, re-scheduling will not be conducted in operation scheduling (unless you select "Re-schedul confirmed plan" in scheduling).

➤ Release

After releasing, operation report is allowed.

➤ Start

It signifies production has begun or is about to begin;

Use report to drive auto start.

➤ Finish

It signifies that production order has been completed or terminated;

It can be forcefully conducted or auto conducted by system (operation report qty reaches report lower limit);

Report can still be conducted after operation is completed, but it is limited by report upper limit.

➤ Close

It signifies that MO order has been closed;

After closing it, production report is not allowed.

5) Operation Split

➤ First operation split: support to split first operation plan to end operation;

➤ Middle operation split: specify split operation to end operation in operation plan;

➤ Specify operation split: specify split middle operation;

6) Operation dispatch:

On basis of operation plan, operation will be dispatched to group, shift, personnel (multiple personnel supported), equipment and the dispatch info will be auto carried to operation report;

2. Operation Report

Collection of production data is the feedback of operation plan in execution workshop it can help managers have a better understanding of production progress, meanwhile it is an important reference for labour expense statistics and employee performance evaluation. Operation report gather statistics of completion for each operation in processing task, the workload of data entry is enormous. It provides a fast entry method for operation report, which is related to smooth application of workshop management system. Kingdee Cloud provides function of mass entry of operation report for workshop statistician, the total completion workload of different operations for multiple manufacturing tasks can be represented on the same operation report.

When quality management is not enabled in enterprise, but defect reasons need to be recorded for afterward analysis, therefore, quality problems need to be recorded after report of production section, defect details are an example of this;

1) Function Feature

- Support operation of main product and co/by-product;
- Support and construct operation report, substitution operation report and rework operation report;
- Support report of QC and exemption;
- Do not support report of workshop inspection;
- Support to strictly control report order and not to control report order;
- Support the strictly control report qty so that it cannot be greater than order qty and allow report qty to be greater than order qty;
- Auto calculate activity qty based on completed qty and workshop formula;
- Support to generate production warehouse receipt from operation report of end sequence;
- Support detail reports of defects;
- Support to manually add co/by-product in operation report;

2) Creation of Operation Report

- Generate operation report of main product from operation plan;
- Generate operation report of co/by-product from MO;
- Conduct operation report of main product by drilling up operation plan on operation report;
- Conduct operation report of co/by-product by drilling up MO on operation report;
- When adding detail row on operation report, manually add co/by-product which does not exist on MO, the system will auto backfill it on MO;
- Generate defects details from operation report;

3. Workshop Dispatch Platform

It is the function for workshop dispatch, here operation plan can be split, edited, dispatched, scheduled, released and rework routing can be prepared.

1) Function Feature

- Support split card - first sequence;
- Support split card - middle sequence;
- Support split card - select sequence;
- Support operation dispatch:

4. Operation Transfer

During operation cross-work center, cross-workshop and cross-org. operation, materials need to be transferred. Transfer doc is to present the process of handing over from two parties, when report order and transfer order are strictly controlled in operation plan, reportable qty of each operation is accessed from transfer-in qty of the sequence and transferable qty is equal to qualified qty of the sequence.

1) Function Feature

- Support to generate transfer docs from operation plan;
- If continuous operations are in the same work center, report auto transfer and no transfer are both supported;
- If continuous operations are in the same workshop but in different work centers, report auto transfer and no transfer are both supported;
- If continuous operations are in the same processing org. but in different work centers, report auto transfer and no transfer are both supported;

2) Creation of Transfer

- Support to generate operation transfer docs from operation plan;
- MO report will auto generate transfer after approval.
- Do not generate transfer.

5. Operation Subcontract and Operation Collaboration

Due to problem of enterprise routing or production capacity, other orgs in group needs to conduct collaborative production or production should be supplied by external suppliers and settlement will be conducted with other orgs or suppliers after production.

1) Function Feature

- Support to define collaboration plant of routing in advance;

- Support to change collaboration plant of operation plan provisionally;
- Support to change collaboration plant of partial qty in operation plan;
- Support to specify subcontract of routing in advance;
- Support to temporary change of operation plan to subcontract;
- Support partial qty of operation plan to change to subcontract;
- Support settlement of collaboration plants;
- Support settlement of supplier, industrial waster and material waste.

2) Creation of Docs

- Collaboration plants will feedback progress through operation report;
- Operation subcontract delivery is issued through transfer of subcontract delivery type;
- Operation subcontract receipt is received through transfer of subcontract receipt type;
- Achieve price accounting with external collaboration plant and external collaboration manufacturer through operation settlement;
- Transfer operation settlement of external collaboration manufacturer type to internal transaction to achieve internal accounting;
- Transfer operation settlement of external collaboration manufacturer type to payable to achieve payment;

6. Operation Defectives Details

Operation defectives details report simple defectives info. Due to the quick tempo of manufacturing in workshop, in many enterprises, the system cannot be used to report detailed inspection info (the data size is too large), therefore the requirement is lower to record the reason of unqualified products or rework in the system only in unqualified or rework products to facilitate subsequent statistics analysis.

The inspection method of entry on operation report is workshop inspection or exemption, if scrap qty or qty to be reworked exists, operation defectives details can be entered.

1) Function Feature

- Quality problems of this sequence and problems cause by other sequences can still be entered.

7. Workshop Dispatch Report Permission

In preparing operation plan, when conduction splitting, dispatching, progress report and transfer of operation plan, work center permission control is needed; here the permission of work center corresponding to login users can be defined.

- Support to set permission by org, users and work centers;
- Support to mass set permission by org, roles and work centers;

8. Report Analysis

- MO operation progress is used to view execution progress and delay status of each operation on MO;
- Resource exploitation rate analysis is used to analyze the utilization rate of personnel or equipment of plant in a period of time;
- Operation defective reason analysis is used to analyze the qty of defectives in different products, departments or operations within a period of time;
- Operation report summary is used to gather statistics of everyday task completion, work hour and qualified rate according to workshop, group, personnel and equipment;
- Operation subcontract transfer report is used to gather statistics of delivery and receipt qty in a period of time by supplier;
- Subcontract operation progress is used to gather statistics of supply current delivery, receipt and balance qty.
- MO work hour comparison analysis is used to query and analyze quota work hour and actual work hour on MO.
- Operation report defectives analysis is used to query operation report defects.
- Instrument value query is used to query gathered data on equipment.

9. Tag on Homepage

- **Workshop completion rate analysis, workshop standard work hour, actual work hour and offset rate analysis.**

10. Parameter Settings

- 1) Parameter settings on docs of operation plan type
 - Operation report/transfer order control: do not control, alert and strictly control.
Decide whether to control operation report and transfer by strict operation order.
 - Report qty is allowed to be greater than order: whether operation qty on operation report can be greater than qty on order, three options: do not control, alert and strictly control;
 - Auto release during approval of operation plan;
 - Auto start during releasing operation plan;
 - Generation method of transfer is used to describe data relationship of two continuous sequences in operation plan which affects the generation method of transfer.
 - [Auto generate transfer, manually generate transfer and do not generate transfer] in the same work center, if it is auto generated, transfer of the operation will be auto generated during operation report; if it is "Do not generate transfer", corresponding operation transfer will not be generated after operation report but the the transfer-out and transfer-in qty of corresponding operation will be backfilled.
 - [Auto generate transfer, manually generate transfer and do not generate transfer] in the same processing workshop but in different work centers, if it is auto generated, transfer of the operation will be auto generated during operation report; if it is "Do not generate transfer", corresponding operation transfer will not be generated after operation report but the the transfer-out and transfer-in qty of corresponding operation will be backfilled.
 - [Auto generate transfer, manually generate transfer and do not generate transfer] in the same processing org. but in different work centers, if it is auto generated, transfer of the operation will be auto generated during operation report; if it is "Do not generate transfer", corresponding operation transfer

will not be generated after operation report but the the transfer-out and transfer-in qty of corresponding operation will be backfilled.

- [Manually generate transfer] in operation cross-org. operation, if the operation is cross-org, then only manual transfer can be conducted, auto transfer is not supported, because cross-org. collaboration manufacturing will involve inter-org. settlement and the system will not conduct auto processing;
- [Manually generate transfer] in subcontract operation, if the operation is subcontracted, then only manual transfer can be conducted, auto transfer is not supported, because subcontract operation will involve financial payables and the system will not conduct auto processing;

2) Parameter settings on docs of operation report type

- Whether allow a future report date: whether the doc date on operation report is allowed to be later than the system date, three options: do not control, alert and strictly control.

2.4.6 Production (Production Line)

Kingdee Cloud production line system provides the full process of monitoring and control from plan preparation, plan execution, material picking/feeding plan preparation, production warehouse receipt and production material picking to material WIP management for enterprises mainly characterized by production line type, this can facilitate the fine management of enterprises and help them grasp info of manufacturing activities and manage the production progress; this system can be used by associating with MPS/MRP or it can be used by associating with sales order if it is for enterprise mainly featured by assembly plans.

Kingdee Cloud plan preparation is divided into three levels of independent demand, mixed flow plan and daily plan, among which daily plan of production line has creative rolling preparation, considering limited capacity and other features.

Kingdee Cloud material picking/feeding plan can achieve accurate delivery on time at the right location, multiple materials feeding in one day can be achieved to tackle the problem of uncontrollable residual materials in enterprise workshop secondary warehouse effectively.

Kingdee Cloud supports repetitive manufacturing enterprises and enterprises of flow manufacturing type.

2.4.6.1 Main Functions

1. Independent Demand of Production Line

It is the unique entry interface of production line plan module with other modules in the system. Currently there are two sources of data, plan order and manual entry, which can be extended based on user demands. Independent demand can be mass generated by selecting plan order, the main data is practically identical to plan order with the primary difference of production line data.

2. Production Line Mixed Flow Plan

Production line mixed flow plan is to sort products on production line by priority, when preparing daily plan of production line later, the scheduling of daily plan will be arranged by capacity of production line based on priority in mixed flow plan. It is a core plan in preparing system of daily plan on production line, which plays an important role in on time delivery of production.

For enterprise of repetitive manufacturing, multiple products can be produced under the same tempo of production line, in order to meet the need of quick delivery to customers, usually production will be organized by method of small slot mixed flow in daily production, no preparation of production alteration is needed, spiral production can be conducted. Thus, for enterprise of repetitive manufacturing, mixed flow plan is critical.

For enterprise of flow production type, multiple products can be produced on the same production line, but some preparation time of production alteration between products is required which will reduce the work efficiency of production line. Therefore, the same product will be produced in a period of time, in which the period is decided by the actual situation of enterprise, it may be a couple of days, ten days or even longer. Then, other products will be manufactured. So, for enterprise of manufacturing type, the importance of mixed flow plan is relatively lower.

The demand in mixed flow plan is independent demand, which includes two parts: "Main line product and sub line product" Generally main line product will be scheduled by priority (go-alive date of main product can be specified in system), the independent demand of sub line product needs to specify the go-alive date and arrange product first which is not restricted by priority. The residual capacity of the day will be arranged to relative demands.

Multiple features supported

- Two sorting methods are supported
 - 1) Multiple priority settings will take place when choosing independent demand plan to set the qty;
 - 2) Re-prioritize in mixed flow plan;
- Two models of priority setting are supported:
 - 1) Demand date+product (emphasize daily small lot mixed flow production);
 - 2) Demand date + lead time span (emphasize the less the production alternation times, the better);
- Restrictions of sorting of lead time span:
 - 1) Restricted by "Lead Time Span";
 - 2) Restricted by "Smaller than demand qty";
- Support auto split model of mixed flow plan:
 - 1) Single split (used in repetitive manufacturing);
 - 2) Single lot split (used in flow manufacturing);
 - 3) Do not split;
- Support manual assignment of scheduling date.
- Special auxiliary property businesses of product are supported, include: "L/N, BOM version, auxiliary property and plan tracking No."/

3. Query of Daily Plan on Main Line

The preparation of daily plan of main line on production line is based on product production priority in mixed flow plan, which is to schedule according to production line capability when daily production capability is limited so that eventually daily plan data of production line will be generated. It is the key input plan of production line in the plan preparation system, which is a real rolling plan to guide production implementation. This plan is centered on production line to schedule each day with details.

Daily plan prepared here can only be conducted on main line, sub line plan is not included. But it is the basis for sub line plan preparation, subsequently, sub line plan will be generated by pulling this data. During scheduling process of daily plan, rolling plan is supported, in the next plan preparation, plans executed previously can be auto rolled to next plan and continue execution. And the length of plan preparation can be freely defined.

Demand source of main line preparation is from mixed flow plan, the core principle is:

firstly, if the demand "Suggested Go-live Date" is defined in mixed flow plan, then this demand will be arranged first on the defined date for production and it will occupy the capacity. Then, if mixed flow plan of "Suggest Go-live Date" is not specified, scheduling will be prepared according to plan scheduling date, production line calendar, daily capacity, daily residual capacity, etc. from the start date based on priority S/N until the end date of current plan preparation.

Multiple features supported

- Two capacity constraint models are supported
 - 1) Time capacity: conduct constraint scheduling based on daily work time on define production line.
 - 2) Daily output: conduct constraint scheduling based on daily output on define production line.
- Two scheduling methods are supported
 - 1) Demands with specified suggested go-live date will be arranged with priority on specified date.
 - 2) Otherwise, other demands will be scheduled based on priority S/N.
- Aimed at flow production, support the effect of "Changeover Time" to daily input plan, the time window of changeover effect can be specified:
 - 1) Change material.
 - 2) Change L/N.
 - 3) Change BOM.
 - 4) Change auxiliary property.
- Special auxiliary property businesses of product are supported, include: "L/N, BOM version, auxiliary property and plan tracking No."
- For production line of flow production type, only continuous input mode is supported, mass input mode is not supported currently.

4. Daily Plan on Main Line

The preparation of daily plan of main line on production line is based on product production priority in mixed flow plan, which is to schedule according to production line capability when daily production capability is limited so that eventually daily plan data of production line will be generated. It is the key input plan of production line in the plan preparation system, which is a real rolling plan to guide production implementation. This

plan is centered on production line to schedule each day with details.

Here, you can confirm generated daily plan of main line and bring it into effect.

Multiple features supported

- Business status operations of daily plan are supported: "release, de-release, close, de-close and plan cut".
- Tracking of multiple business status for daily plan is supported: "plan, release, start, finish, final inspection, auto close and manual close".
- Special auxiliary property businesses of product are supported, include: "L/N, BOM version, auxiliary property and plan tracking No."

5. Preparation of Daily plan of Sub Line on Production Line

The preparation of daily plan of sub line on production line is based on daily plan of main line on production line and it is generated by pulling the data: based on production order, qty and BOP subitem material quota on daily plan of main line, calculate the gross demand of subitem materials, deduct qty in buffer area and WIP qty on sub line to acquire the net demand, then calculate limited capacity daily scheduling of production line on sub line when daily capacity of sub line production line is constrained, finally, daily plan data of sub line will be generated. Rolling plan is supported on daily plan of sub line, repetitive preparation is also supported. In the next plan preparation, plans executed previously can be auto rolled to next plan and continue execution. Sub line plan of multiple levels can be prepared at the same time.

Multiple features supported

- Two capacity constraint models are supported
 - 1) Time capacity: conduct constraint scheduling based on daily work time on define production line.
 - 2) Daily output: conduct constraint scheduling based on daily output on define production line.
- Aimed at flow production, support the effect of "Changeover Time" to daily input plan, the time window of changeover effect can be specified:
 - 1) Change material.
 - 2) Change L/N.
 - 3) Change BOM.
 - 4) Change auxiliary property.

- Special auxiliary property businesses of product are supported, include: "L/N, BOM version, auxiliary property and plan tracking No."
- For production line of flow production type, only continuous input mode is supported, mass input mode is not supported currently.

6. Material Picking/Feeding Plan

Under production mode of production line, the picking of material is usually conducted in warehouse distribution mode, based on material characteristics, material delivery frequency and time points will be determined and material distribution plan will be arranged based on daily production plan of production line to achieve the aim of supply based on demand and reduce WIP inventory in warehouse.

The function of material picking/feeding plan preparation is to calculate material details (to station) and material delivery demand of each delivery time point based on qty of daily plan on production line and BOP, during calculation, material feeding times, material feeding time, material feeding offset time and workshop WIP inventory will all be considered.

Multiple features supported

- Customize multiple production line to calculate together;
- Auto expand BOP to acquire material feeding demands of each station;
- Auto calculate material feeding time of each station;
- Support multiple material feeding for each station;
- Support one time material feeding in several days for each station;
- Material feeding algorithm will auto consider station residual materials;
- Auto close uncompleted material feeding demands;
- Consider BOP material feeding offset time;
- Special auxiliary property businesses of product are supported, include: "L/N, BOM version, auxiliary property and plan tracking No.";

7. Product Finished Report on Production Line

It is an important section in the whole production plan management process. Based on released daily plan of production line, workshop arranges production of each production line every day, for important station/operation on production line, processing completion status needs to be reported timely, they are the execution feedback of production line plan

which help to form a closing loop of plan. For example, for go-live station, go-live qty needs to be reported and go-offline qty needs to be reported for go-offline stations, for final inspection stations, they need to report inspection qualified qty and scrap qty.

Product finished report on production line is based on current effective daily plan of production line, it will specify station (operation) on production line and the daily plan for mass report. Only common report station, go-live station, go-offline station and final inspection station can conduct finished report.

On production finished report of production line, daily plan of production line and go-live qty, go-offline qty and qualified qty on mixed flow plan will be backfilled, it will affect the change of plan status and help managers to understand the production process better.

On the edition interface of production finished report on production line, single report can be posted to au to generate target docs.

Multiple features supported

- Report finished qty based on daily plan of production line;
- Report to station of production line;
- Qualified qty and scrap qty can be reported;
- After posting the report, target docs will be auto generated to reduce users' interface operation;
- Mass report of production line;

8. Counting Variance Apportionment on Production Line

In the manufacturing process, due to problem of machine or personnel operation on production line, the actual material qty may be different from inventory qty in the system, therefore, enterprise needs to conduct inventory counting regularly and apportion the variance qty in receipt of specified production line, that is why this function is provided.

Multiple features supported

- Support to apportion the variance qty of counting to specified production warehouse receipt and auto generate corresponding material picking/return on production line.
- Support batch management, do not support S/N management;

9. QC on Production Line

- Support the interface with QC management, support related flows with scrap processing and processing of report inspection on production line.

2.4.7 Quality Management

Kingdee Cloud QC management uses inspection form as the main line to achieve core business flows of QC management, including: purchase/production, self-made operation, subcontract operation, inventory inspection, delivery inspection, return inspection, OEM material inspection, inspection management on production line (create, approve and QC, etc.), emergency release management of incoming material and production, qualified receipt processing, unqualified return processing and multiple inspection management, etc, it can be closely linked with businesses including purchase, production, workshop and inventory.

2.4.7.1 Main Functions

1. QC Basis

QC basic data is used to regulate and guide daily inspection business to be conducted based on basic settings, it is the basis of daily inspection application.

1) Sampling Scheme

- Support sampling scheme of GB2828;
- Support customized sampling scheme;
- Support sampling by percentage;
- Support sampling by fixed qty.

2) Inspection Item

- Support to define inspection items by group, you can also define them freely by appearance, performance and property;
- Support mass import of inspection item;
- Support multi-org. application of inspection item, it can be set as shared, distributed or personal, support to share enterprise data or isolate data org.

3) QC Scheme

- Support settings of effective/expiry date;
- Specify sampling scheme on QC scheme to apply it on inspection form;
- For maintenance of QC item index, support customized definition of target value,

upper and lower limit of multiple comparison symbols.

- Support multi-org. application of QC scheme, it can be set as shared, distributed or personal, support to share enterprise data or isolate data org.

4) QC Group and Inspector

- Support to establish and maintain QC group and inspector;
- Support multi-org. property of QC group and inspector;
- Conduct business allocation through QC group;
- Specify business roles through inspector;

2. Inspection Management

The basic function of QC is to control the process, inspection form is the record of QC and the evidence of QC. Through inspection and strict QC, the unqualified raw materials will be exclude from input. And unqualified products are kept from delivery, the quality of product can be assured. The system provides complete inspection form management function to help enterprise regulate operation flow of QC operation effectively and improve inspection business processing efficiency. The main functions of inspection form are as follows: the judgment of inspection result, defect record; inspection record; using strategy management; support merged inspection of incoming material and emergency release; query of inspection info and special operation of inspection form, etc.

Key points:

1) Business Type

- Provide purchase inspection, subcontract inspection, product inspection, self-made operation inspection, subcontract operation inspection, inventory inspection , sales return inspection, sales delivery inspection, OEM material inspection and production line inspection;
- Support inspection business management of single enterprise and multi-org. enterprise;

2) Creation of Inspection Form

Inspection form of different inspection business types can be created based on different sources.

- 3) **Inspection Record**
- 4) **Emergency Release Management**
- 5) **Merging Processing of Inspection Forms**
- 6) **Split Processing of Inspection Forms**
 - Support to split docs by inspector or QC group on inspection forms.
- 7) **Auto Generate Inspection Form**
 - Support to approve purchase material receipt and auto generate material incoming inspection
- 8) **Inspection Status Management**
 - Row status of inspection form: planned, start inspection and complete inspection;

Only after the completion of QC, the form will be in the status of confirmed final inspection result and using strategy, then subsequent warehouse receipt and material return can be conducted.

3. Inventory Inspection and Related Warehouse Inventory

- 1) **Inventory Inspection Requisition**
- 2) **Inventory Recheck Material Query**
- 3) **Inventory Status Conversion**

After the completion of QC, inspection defect or scrap can be associated with inventory inspection requisition to generate inventory status conversion and converse the inventory status.

4. Industrial Scrap and Material Scrap in Subcontract Inspection

For incoming material inspection after completion of subcontract supplier, the inspection of unqualified materials are divided into industrial scrap and material scrap to distinguish whether the unqualified reason is due to the supplier or material defect issued from the enterprise so that the responsibility is clear and conflict can be resolved.

5. Supporting Definitions of Auxiliary Property on Product Inspection

After completing manufacturing of product, QC can be used to confirm product level, color and other auxiliary properties.

- Support to choose parameter "Confirm Auxiliary Property on Inspection Form" to set whether the auxiliary property will be generated in product inspection section;
- Add entry of auxiliary property in using strategy of product inspection to details including quality result judgment of auxiliary property;
- The judgment result of product inspection auxiliary property will be backfilled on MO report so that production warehouse receipt can carry auxiliary property info based on inspection result.
- Support to carry auxiliary property on inspection result to warehouse receipt on MO direct receipt.

Note: when "Confirm auxiliary property on inspection form" is enabled, multiple MO reports will be used to generate product inspection, but entries of product inspection will not be merged, that is under the circumstance of confirmed auxiliary property, merged inspection is not supported on product inspection.

6. Supporting Definitions of Auxiliary Property on Incoming Material Inspection

After completing supplier delivery, QC can be used to confirm material level, color and other auxiliary properties.

- Support to choose parameter "Confirm Auxiliary Property on Inspection Form" to set whether the auxiliary property will be generated in incoming material inspection section;
- Add entry of auxiliary property in using strategy of incoming material inspection to details including quality result judgment of auxiliary property;
- Add entry of auxiliary property on defect processing of incoming material inspection to details including quality result judgment of auxiliary property;
- Add entry of auxiliary property on MRB assessment of incoming material inspection to details including quality result judgment of auxiliary property;
- The judgment result of incoming material inspection auxiliary property will be backfilled on MO report so that production warehouse receipt can carry auxiliary property info based on inspection result.

Note: when "Confirm auxiliary property on inspection form" is enabled, multiple material receipt will be used to generate product inspection, but entries of incoming material inspection will not be merged, that is under the circumstance of confirmed auxiliary property, merged inspection is not supported on incoming material inspection.

7. Supporting Inspection by S/N on Product Inspection

After completing product manufacturing, confirm S/N on MO report and QC can be conducted by single S/N.

- Support to select the parameter "Specify S/N on MO Report" to set whether S/N will be confirmed in MO report section;
- Add S/N tag on MO report and support entry of S/N.
- Add carried entry of S/N in using strategy of product inspection to details including quality result judgment of S/N;
- Support to select the parameter "Split Entry by S/N on Inspection Form", inspection can be conducted on one inspection form based on one S/N to facilitate the inspection report of product based on single S/N.
- The judgment result of product inspection S/N will be backfilled on MO report so that production warehouse receipt can carry S/N info based on inspection result.
- Support to carry S/N on inspection result to warehouse receipt on MO direct receipt.
- Support to determine the result by S/N on self-made operation inspection.

8. Supporting Inspection by S/N on Incoming Material Inspection

For delivery material by supplier, confirm S/N on material receipt notice and QC can be conducted by single S/N.

- Add S/N tag on material receipt notice and support entry of S/N.
- Add carried entry of S/N in using strategy of incoming material inspection to details including quality result judgment of S/N;
- Add carried entry of S/N on defect processing of incoming material inspection to details including quality result judgment of S/N;

- Add carried entry of S/N on MRB assessment of incoming material inspection to details including quality result judgment of S/N;
- Support to select the parameter "Split Entry by S/N on Inspection Form", inspection can be conducted on one inspection form based on one S/N to facilitate the inspection report of incoming material based on single S/N.
- The judgment result of incoming material inspection S/N will be backfilled on MO report so that production warehouse receipt can carry S/N info based on inspection result.

9. Supporting Inspection by S/N on Inventory Inspection

For on-hand material of S/N management, S/N is specified on inventory inspection requisition, QC can be conducted by single S/N.

- Add carried entry of S/N in using strategy of inventory inspection to details including quality result judgment of S/N;
- Add carried entry of S/N on defect processing of inventory inspection to details including defect processing of S/N;
- The judgment result of inventory inspection S/N will be backfilled on inventory inspection requisition so that inventory conversion can carry S/N info based on inspection result.

10. Sales Return Inspection

Provide sales return inspection, conduct QC on returned goods required by customers to identify the quality status.

- Prepare goods return inspection based on goods return notice;
- Goods return inspection is divided in to return accepted and return rejected to refine the return business of sales management.
- Support the distinction of qualified, defect and scrap, and goods will be returned to different warehouses according to different results.
- Process quality refund through defect processing.

11. Sales Delivery Inspection

Provide business flow of sales delivery inspection, support inspection of material before sales delivery and conduct QC of sales products.

- Prepare delivery inventory inspection requisition based on delivery notice and support to freeze inspection requisition of inventory;
- Prepare delivery inspection based on delivery inventory inspection requisition;
- Support the distinction of qualified, defect and scrap, and goods will be returned to different warehouses according to different results.

12. Production Line Inspection

Provide business flow of production line inspection, support finished receipt inspection of production line products and conduct QC of manufactured goods to identify quality of inspected products.

- Prepare production line inspection based on finished report on production line.
- Support the distinction of qualified and scrap, and goods will be received into different warehouses according to different results.

13. Defect Processing

Support incoming material inspection and defect processing of sales return inspection, inventory inspection, product inspection and self-made operation inspection.

- Prepare defect processing of incoming material inspection based on incoming material inspection, it involved supplier deduction, and payable (negative amount) will be generated according to defect processing;
- Prepare defect processing of goods return inspection based on sales return inspection, it involved customer refund, and receivable (negative amount) will be generated according to defect processing;
- Preparedefect processing of inventory inspection based on inventory inspection. For on-hand materials, if it is purchase incoming material, support claim for compensation on defective supplies, if it is sales return product, support refund processing of customers when returning defect products due to quality problems.

- Prepared defect processing of product inspection based on product inspection to conduct defect processing of product inspection.
- Prepared defect processing of self-made operation based on self-made operation inspection to conduct defect processing of self-made operation inspection.

14. MRB Assessment

Add MRB assessment of incoming material inspection to conduct MRB assessment on incoming material quality of suppliers, whether the material will be received for use will be decided by every department after the assessment.

- Prepare MRB assessment based on incoming material inspection to assess whether the material should be received or rejected;
1. Add the function of sync QC scheme on inspection items.
Support to sync QC scheme after editing inspection items, QC scheme that needs to be synchronized can be specified.
 2. Support to call technical files on inspection form.

Add calling of technical files on inspection form for inspector to view routing, operation guidance and other technical files.

15. OEM Material Inspection

Provide business flow of OEM material inspection, support QC on material receipt for customer supplied materials, conduct QC on OEM materials and distinguish the quality of inspected materials.

- Prepare OEM material inspection based on OEM material receipt;
- Support the distinction of receipt, concession receipt and determined return, goods will be received into different warehouses based on different results, material rejected will be returned.

16. Auto Generate Inspection Form

Support to auto generate inspection forms (product inspection, self-made operation inspection, subcontract operation inspection, inventory inspection, delivery inspection and goods return inspection) of each business type.

17. Report Analysis

QC system provides quality report: defect reason analysis, supplier quality statistics, workshop quality statistics and to-be inspected material details.

Defect reason analysis: gather statistics of defect type, defect reason and defect qty of material inspection to facilitate QC department's analysis of defect reason for products with the highest defect frequency.

Supplier quality statistics: gather statistics of supply inspection quality for suppliers to facilitate suppliers' understanding of supply quality.

Workshop quality statistics: gather statistics of inspection quality for products manufactured in workshop to facilitate the understanding of products manufactured in workshop.

To-be inspected material details: gather material status of purchase material receipt, production completion, operation completion and inventory inspection requisition to see which materials are in inspection and which are still to be inspected so that inspectors can understand the completion status of their own work.

Operation inspection quality statistics: gather statistics of self-made operation, subcontract operation quality to understand quality status of operation processing products.

Inventory inspection quality statistics: gather statistics of inspection for on-hand material quality to understand the quality of on-hand materials.

Material/Supplier quality comparison: gather data of incoming material qualified rate, receipt rate, inspection lots, unqualified lots and other quality info based on material+supplier.

Material/Workshop quality comparison: gather data of finished products qualified rate, receipt rate, inspection lots, unqualified lots and other quality info based on material+workshop.

Defect processing statistics: gather statistics of defect processing for incoming material inspection and sales return inspection to understand processing of incoming material inspection and sales return defect processing, discount amount and other info.

Add sales return quality statistics: gather statistics of inspection quality for products returned by customers to understand the quality of returned goods.

Add sales delivery quality statistics: gather statistics of inspection quality for on-hand products before sales delivery to understand the quality of delivery goods.

1) Defect Reason Analysis

- Support query by dimension of business org;
- Support query by different QC phases on inspection form: plan, start inspection, inspection completed and all;;
- Support query by different business types on inspection form: purchase inspection, subcontract inspection, product inspection, self-made operation, subcontract operation, inventory inspection and all;

2) Supplier Quality Statistics

- Support query by dimension of business org;
- Support query by different QC phases on inspection form: plan, start inspection, inspection completed and all;;
- Support query by different business types on inspection form: purchase, subcontract and all;

3) Workshop Quality Statistics

- Support query by dimension of business org;
- Support query by different QC phases on inspection form: plan, start inspection, inspection completed and all;;

4) To-be-inspected Material Details

- Support query by dimension of business org;
- Support query by different QC phases on inspection form: plan, start inspection, inspection completed and all;;
- Support query by different business types on inspection form: purchase inspection, subcontract inspection, product inspection, self-made operation, subcontract operation, inventory inspection and all;
- Support group summary basis based on material, supplier and workshop

dimension.

5) Operation Inspection Quality Statistics

- Support query by dimension of business org;
- Support query by different QC phases on inspection form: plan, start inspection, inspection completed and all;;
- Support query by different business types on inspection form: self-made operation, subcontract operation and all;
- Support group summary basis based on material and workshop dimension.

6) Inventory Inspection Quality Statistics

- Support query by dimension of business org;
- Support query by different QC phases on inspection form: plan, start inspection, inspection completed and all;;
- Material/Supplier quality comparison: gather data of incoming material qualified rate, receipt rate, inspection lots, unqualified lots and other quality info based on material+supplier.
- Material/Workshop quality comparison: gather data of finished products qualified rate, receipt rate, inspection lots, unqualified lots and other quality info based on material+workshop.
- Defect processing statistics: gather statistics of defect processing for incoming material inspection and sales return inspection to understand processing of incoming material inspection and sales return defect processing, discount amount and other info.

7) Material/Supplier Quality Comparison

- Support query by dimension of business org;
- Support query by different business types on inspection form: purchase inspection and subcontract inspection;
- Gather statistics of incoming material inspection quality info based on material+supplier;'

8) Material/Workshop Quality Comparison

- Support query by dimension of business org;
- Gather statistics of product inspection quality info based on material+workshop.

9) Defect Processing Statistics

- Support query by dimension of business org;
- Support query by different business types on inspection form: purchase inspection, subcontract inspection and goods return inspection;
- Gather statistics of defect processing by group summary according to material, supplier, customer and department.

18. Control Chart

1) Material Defect Ratio Control Chart

This chart is used to record the defect rate in sampling inspection of all inspection business type within a certain period time for a material.

2) Supplier Defect Ratio Control Chart

This chart is used to record the defect rate in sampling inspection of all supplier materials within a certain period time for a supplier.

3) Workshop Defect Ratio Control Chart

This chart is used to record the defect rate in sampling inspection of all manufactured products within a certain period time for a production department.

2.4.8 Quality Tracing

2.4.8.1 Main Functions

Kingdee Cloud quality tracing is based on objects of material L/N and S/N to trace related info from purchase, material picking, production, workshop processing to inventory, sales and other business sections.

Through L/N tracing, track business flow info of material in a certain batch for material purchase, material picking, production, inventory, sales and other info.

Through S/N tracing, track business flow info of material with a certain S/N for material purchase, material picking, production, inventory, sales and other info.

Through whereabouts-tracing, track the usage path of a certain raw material or semi-finished product.

Through source tracking, track the component of a certain finished product or semi-finished product.

Features of quality tracing are as follows:

- Support multi-layer source tracking system of tracking from raw materials;
- Support multi-layer where-about tracking system of semi-products and finished products from raw material tracking;
- Support L/N tracking;
- Support S/N tracking;
- Support L/N and S/N comprehensive tracking;
- Support cross-org. tracking;
- Tracking scheme can be configured, support configuration tracking of customized docs and customized fields.
- Support to establish corresponding relationship between parent item and subitem S/N to facilitate S/N tracking of subsequent single product.
- Support to maintain parent and child relationship of L/N and S/N, record L/N or S/N info of specified using material corresponding to single S/N product.
- Support S/N tracking of single product, based on relationship of L/N and S/N, track L/N or S/N info of specified using material corresponding to single S/N product and other info including its sales, production, purchase, quality and inventory.
- Support tracking of manufacturing process for single product of operation processing product in workshop based on product tracking No.
- Support calling of L/N tracking on S/N and L/N relationship docs to facilitate the tracking of subitem material.
- Defect processing doc types (product inspection, self-made operation inspection and inventory inspection), MRP assessment, inspection form of delivery type and inventory inspection requisition are all involved in tracking.
- Support tracking of cross-org. business in L/N distribution transfer for L/N cross-org. tracking.

2.5 Cloud Smart Factory

2.5.1 Smart Workshop

Smart workshop module is developed based on the original production management module and workshop module; it is the simplified operation of current function and the perfection of workshop business deep application. Support three modes: simple task production, complex operation production and flexible production on production line, the integration interface of equipment is added, combined with intelligent terminal, smart Kanban and other equipment, limited capacity scheduling of flexible production line order, data gathering and report of flexible production line and discrete operation scenes can be achieved, the manufacturing mode of multi-category, small lot and personalized demands under new circumstance can be satisfied.

To apply Kingdee Cloud smart workshop, we suggest you to purchase intelligent terminal, smart Kanban and other equipment.

2.5.1.1 Simple Task Production Management

Currently intelligent terminal supports simple task production mode, the workshop can be managed by production task, and the main functions are as follows:

1. Starting Production

Use terminal equipment to query MO tasks in status of not started, started and completed recently, conduct the starting operation on MO through the terminal, and support quick positioning of work orders with barcode by scanning on the spot.

2. MO Report

Use terminal equipment to query MO tasks in status of not started, started and completed recently, conduct the report operation on started MO through the terminal, support quick positioning of work orders with barcode by scanning on the spot.

3. Warehouse Receipt Requisition

Use terminal for warehouse receipt requisition.

4. Query of Technical Files

Users can query technical files of different format through this function.

2.5.1.2 Complex Operation Production Management

Currently complex operation production mode is supported, the workshop can conduct management by operations, the main functions are as follows:

1. Operation Dispatch

Use terminal to conduct dispatch operation on operation plan, work can be dispatched to resource, group, shift, equipment and operator.

2. Start

Support quick positioning of operation task by scanning barcode to start the operation.

3. Operation Report

Support quick positioning of operation task by scanning barcode to report the operation.

4. Non-dispatch Type Operation

Use terminal equipment to query operation tasks in status of not started, started and completed recently, conduct the operation of start and report through the terminal.

5. Workshop Inspection

Use terminal equipment to record the inspection results on workshop scenes, enter the inspection qty and defect types of unqualified products.

6. Query of Technical Files

Users can query technical files of different format through this function.

2.5.1.3 Production Management on Flexible Production Line

1. Flexible Production Line

Compared with traditional mass production, flexible production line has the characteristics of single piece flow, personalization and good utilization of space, it can better suit production demands of small-lot production, multiple categories and personalized products, the system supports to define capacity info and scheduling basis of flexible production line.

2. Relationship between Flexible Production Line and Material

Each flexible production line can product multiple products, when producing different products, info on the production tempo may be different, the system supports to define the production relationship between flexible production line and material, production tempo and the priority.

3. Flexible Routing

Flexible work unit will change according to production tasks, therefore, flexible routing cannot specify work centers in advance but they will be assigned to the routing flexibly during specific production.

4. Tag Template

The print of material barcode tag on scene is mainly used in the section of packaging, at least templates of two specifications are required. This template is set through special program of printer; the data on tag is divided into two types: fixed and flexible, after setting, it can be saved as another independent file.

5. Technical Files

Technical files used on production scene will be uniformly managed to facilitate read and query on intelligent terminals on the scene.

6. Flexible MO

Doc type of MO supports to check the mode of flexible production. Under flexible production mode, MO will conduct processing by priority and production plan will be prepared based on limited capacity of flexible production line.

7. Flexible Operation Plan

Add the support to flexible production business on operation plan: support the settings of data collection order of various types of operations; support flexible settings of scan feature code; support first inspection.

8. Operation Report

Operation report supports report of single piece or mass report.

9. Rework Workbench

Rework personnel will receive defects in production process and determine the reasons of defects, based on the circumstances, operations including change, create rework routing and qualified report will be conducted.

10. Flexible Workbench

Flexible workbench is an application program run on intelligent terminal equipment, it can achieve production operation and data collection on front end of production scene, and conduct data exchange with Kingdee Cloud through portals.

11. Data Exchange and Extension

Intelligent terminal on scene needs to call interface to exchange data with background system, the flexibility and extension of interface is of critical importance.

- External hardware can exchange data with Kingdee Cloud by calling Webservice interface provided by Kingdee Cloud, through cache and message queue;
- Users can define and register plug-ins developed by themselves through workshop Web interface to extend the interface logic further;
- Users can also monitor the transmission by scan interface cache management, message queue and requisition log of scan interface;
- **Extendibility: support extending of message logic processing, support direct calling of WebApiby client and support to call parameter extension by webservice;**

2.5.1.4 Integration with APS

In order to solve the problem of insufficient scheduling system and reduce workload of personnel to prepare plans, standard product and third-party APS product can be integrated to achieve the complete loop of plan and execution, therefore, the feasibility of plan can be improved, equipment utilization rate can be enhanced as well as the rate of delivery on schedule, shortening of product production cycle and delivery cycle. V7.0 integrated two APS products, which are Jobdispo system agented by Languang (Jobdispo system developed by German FAUSER company, it is the APS collaboration product with SAP) and AX system independently developed by Anda. The main functions contain:

1. APS Products Deploy List:

Generate preset files of Kingdee Cloud through the deploy, users can download

APS program from Kingdee Cloud application server.

2. APS Web Service List

During APS scheduling, it needs to call APS Web Service to notify APS of downloading and analyzing the data and update it in corresponding data based according to files configured in Web Service.

3. APS Integration Configuration:

Different orgs or workshops can select different APS products and Web Service during scheduling and match the configured APS application program based on transmitted org.+workshop.

4. Enabling APS Scheduling:

Click "Enabling APS Scheduling", Kingdee Cloud will auto package the transmitted data into json files and transmit it to APS for data analysis, APS program will be auto enabled after the analysis, users can use APS program for scheduling and optimization adjustment, after confirming the scheduling result, click return to return the result to Kingdee Cloud to update operation plan.

5. View APS Scheduling:

Click "View APS Scheduling", the system will auto open APS program, users can query the previous scheduling result and the load of resources.

6. APS Scheduling Result:

Record the equipment of results return, plan start time, plan end time and display operation, product and other info by association to facilitate intuitive view of customers.

7. APS Computing Process log:

Users can query scheduling process log and exception info during scheduling when the scheduling is complete, and they can download scheduling data and results of current computation for analysis.

2.5.1.5 Mobile Andon System

Based on intelligent manufacturing, dependent on execution plans in standard product, combined with light App and Web service interface, it can provide

convenient on-site alert for manufacturing personnels on site, feed real-time monitor info precisely to related personnels so that they can localize and clear the alert easily. The main functions contain:

1. Exception Process Type

You can select the affiliated group/type of this exception process to facilitate the categorized management of exceptions. Based on processing time of exceptions, levels can be set to give higher levels to exceptions with prolonged processing time. Monitor conditions can be customized to trigger the message under certain circumstances.

2. Exception Process

The system supports to process exception alerts through intelligent terminal alert, mobile phone entry and PC entry, exception process will be generated in the system after receiving alerts on intelligent terminal and mobile phone terminal to facilitate subsequent statistic analysis and provide data support for on-site improvement.

2.5.1.6 Production Kanban

With data on the electronic Kanban displayed in multiple angles, the manufacturing management and controls become more visible, transparent, timely and intelligent, thus enhancing the operation efficiency, lowering the costs and improving the product quality. The content on the electronic Kanban can be customized, in order to meet different management requirements of different enterprises. The main functions contain:

1. Definition of Kanban

The enterprise can customize the Kanban according to their actual requirements. This function supports to view Kanban data with the following 3 methods: Customized SQL, Storage Process and Customized Plug-in. And users can select one of the three based on the complexity of Kanban data.

2. Kanban Scheme

On the working site, it may require to display different Kanban and Kanban data on different screens, which can be realized by defining the Kanban (one corresponded

to the IP address) and filter conditions in the Kanban scheme.

3. Preset Kanban:

The following production Kanbans are preset in the system:

- MO Operation Progress Kanban: To display production progress of key operations.
- MO Materials Issue Kanban: To display issued kits of each operation, including such 2 versions as Common Production and Flexible Production.
- MO Exceptions Kanban: To display exceptions on the working site and the handling status of the exception.
- MO Quality Kanban: To display the qualification rates and one-time pass rates of MOs, including such 2 versions of Common Production and Flexible Production.

2.6 PLM Cloud

2.6.1 System Modeling

System modeling is a module of Kingdee Cloud PLM business model building and rules configuration. According to the enterprise's actual R&D requirements, define and classify the objects of business types, like materials, documents, design BOMs and Material Requisition docs, and define coding rules, life cycles, versions and operations based on those business objects, in order to meet the enterprise's business requirements .

1. Definition of Coding Rule

Define coding rules according to different types of business objects; select a business type to bind the coding rule, and the child business type can be inherited; generate codes by the coding rule when saving the object.

2. Business Type Management

Support to classify documents and materials by business types within the object, and the superior and the subordinate of business types are in relationship of inheritance and derivation; business types can add expansion fields through BOS IDE, and can also

define such business rules as code and process of their own.

3. Life Cycle Configurations

There are 4 preset life cycle templates, in order to meet the requirements of different business objects; and each template has a corresponding status, and those statuses can be converted. Generally, the enterprise can directly use the system default template, one standard business type can only use one set of life cycle template. The life cycle is defined during the system initialization, and it is not recommended to be changed at yours option.

4. S/N Management

This function is mainly used for serials of numbers reserved by major and minor versions. The system provides several sets of S/N by default, and users are allowed to edit or create new sequencing rules.

5. Related Object Configurations

List displaying of all the related objects is defined here. The system presets a set of related object configurations, and enterprises can adjust it as required, like defining displaying fields of related object list, operations those can be executed by related object tabs, and associated operations of upgrades among related objects.

6. R&D Data Configurations

The system defaults a set of general R&D and production data correspondence configurations separately for materials and BOM. And customers can add or delete the fields of data correspondence as required.

7. Completeness Check

The system controls whether the authentications of materials and products are complete through the completeness authentication rules.

2.6.2 Materials Management

1. This function is used to strengthen the controls of material sourcing, thus ensuring the accuracy of the manufacturing data.
 - Classify material's business types, and define key featured fields by those

classifications.

- Key properties control.
 - Material Requisition doc requests materials in batches.
 - Create approval process for Material Requisition doc.
2. Set compliance check rules for each material, to ensure the material's quality.
- Material Compliance Certification Rules Settings
 - Check the compliance from the following 3 dimensions: Business Type, Production Method, and Status.
 - This check can generate an operation function button.
 - Automatically check the compliance during approving the process.

3. First Choice of Materials During Use

Through classifying business types of materials, define different fields based on the business feature, and then the material can be quickly found according to its featured fields, in order to make the best choice of materials and re-use of parts; Additionally, users can also set some conditions for the first choice, such as material cost, purchase cycle, the minimum purchase quantity, quality rate, brand, and etc., according to the rules of first choice of the enterprise, to acquire the most proper material.

2.6.3 Design BOM Management

- It is a quick varied design based on the existing product.
- Design product BOM from top to bottom.

With "BOM Editor" in Cloud PLM, the efficiency and accuracy of BOM creation and maintenance can be greatly improved. For example, users can maintain the properties (like quantity, loss and assembly location) of multi-layer BOM at one time; operations of deleting and creating materials will not be executed immediately, instead the operation will be displayed in colors to avoid any misoperations. If there is any misoperation, rollback operations are allowed. For maximum accuracy of BOM, "Comparison of New and Old BOM" is available when editing the BOM.

2.6.4 Documents Management

- This is used to build an unique knowledge management and accumulation platform for the enterprise. With clear classification and data organization, quick search and version control can be realized.
- Form a structural data. Materials, BOM can be associated with other related documents, to form the structural data.
- Support to transit data to factories and on-site equipments, thus better and faster realizing the target of intelligent manufacturing.

2.6.5 SolidWorks Integration

- PLM integration function menu is implanted In SolidWorks.
- With "Import" and "Checkin" menu, the drawings can be directly imported to the system,
- In the system, the function of "Doc Generates Material" can use the drawing to directly generate the corresponding material or BOM and create a strong association relationship. If the drawing is modified and checked into the system again, then the corresponding material and BOM will be automatically updated.
- "Edit Parameter" function in menu supports to edit parameters in batches, thus improving the edit efficiency.

2.7 Mobile Applications

2.7.1 Business Approval

Workflow application supports to approve, decide and deliver the to-do process, to view the process doc, approval comments and the attachment, and to track query "In-progress Process" and "Completed Process". This can meet the requirements of mobile office, thus improving the timeliness and efficiency of process handling.

2.7.2 Business Monitor

"Business Monitor" is based on Kingdee CloudHub, using to receive monitor messages timely. With this function, the enterprise can comprehensively monitor their operating conditions. Support to display monitor messages in summarization manner in "Sudoku" format, helping to monitor comprehensively; and also provide a link to view detailed messages, helping the enterprise to know more detailed problems in enterprise operating. The messages are displayed from coarse to fine, helping the enterprise to comprehensively master its operating conditions with alerts, thus meeting the enterprise management requirements.

2.7.3 Dynamic Password (CloudHub)

Dynamic Password (CloudHub) is an application based on a dynamic password acquired from Kingdee CloudHub, and users can directly log in Kingdee Cloud with the received dynamic password (CloudHub identification), no more password card device is required, thus reducing the workload of device maintenance and the costs.

2.7.4 IT Management

Kingdee Cloud IT Management is integrated based on the CloudHub, helping daily maintenance management. Through providing such service at the mobile end as intelligent inspection, Cloud monitor and Cloud reports, this function helps system administrator to know the system running status at any time. Additionally, the function supports to recover automatically or manually, thus enhancing the administrator's management capacity, and further ensuring a more speedy, stable and healthy system.

2.7.5 Sales (Mobile End)

Instead of sitting in front of the computer, the sellers can easily process their businesses at the mobile end, like view customer orders, make collections, track deliveries, track logistics, maintain customer information and query receivables from customers.

2.7.6 Operating Analysis

This is used to provide many kinds of statistics of operating analysis in the view of sales

management, associating with ERP data in a real-time manner.

2.7.7 Supplier Collaboration (Mobile End)

Enterprise's suppliers can receive inquiries, bulletins and messages at any time at the mobile end, and make timely responses. Suppliers can query and receive the purchase orders sent from the enterprise.

2.7.8 Palm Factory

This is used to provide a factory query and operation platform at the mobile end for on-site and non on-site managers, operators and QC person, helping them to know on-site production, quality, plan and exceptions at any time, and it supports to start any necessary business operations at the mobile end.

2.7.9 Palm Capital

Enterprise's managers and capital responsible person can query details of capital receipt and expenditure anytime and anywhere, in order to monitor the enterprise's capital status and progress of operating targets, thus reducing capital related risks and ensuring the capital safety.

2.7.10 Palm Receivables

This is a light application based on CloudHub A/R Management, helping enterprises to quickly know about the receivables and allowing them to view receivables details anytime and anywhere, thus reducing the bad debts risk.

2.7.11 Other Descriptions

➤ **Installation system:**

iPhone/iPad/Android clients can be put on Cloud platform, and be distributed within the enterprise.

Distribution of Portal: Install according to the address. And the installation address can be sent to users through SMS/e-Mail.

Distributions of other applications: Distributed by portal; or send installation address to users through SMS/e-Mail.

➤ **Supported Device**

IOS: 4.3 or later

Android: 2.3 or later

➤ **Client Upgrade Scheme**

Checks new version every time when accessing the application.

➤ **Disabling and Enabling of Application**

The administrator can control applications manually, he/she can stop the application on m Cloud, or manage that whether a specific user can use the mobile application. If the business server stops response, the client will give prompts.

2.7.12 Base Management

2.7.12.1 Main Functions

1. Master Data

Master data is a general name of each basic data used in the system. When users input the voucher or doc, they have to input such business data as the account, currency, materials, customer and so on, without exceptions. In order to set or manage uniformly, the system provides master data management, and the master data will be displayed in business systems concurrently, thus users needn't to switch between interfaces too frequently.

- Management of master data: Including department, employee, supplier, customer and material.
- Management of basic data: Including such public data as position info, currency, expense item and accounting policy, and the master data of businesses.
- Management of auxiliary data: Mainly include simple basic data.

2. Doc Type

Doc type is a more detailed classification of docs, which is widely used in business docs.

This helps to control different businesses in the same doc.

- The interface layout for controls of business doc;
- Support to set related properties of field;
- Control business process, print tasks and set business parameters;

3. Coding Rule

Coding rules refer to the rules used to generate the code of the business object, which applies to BOS docs and master data.

- Support unique validation of the code in level of data center;
- Support controls of supplementary number, allow to edit the controls;
- Support to automatically generate code on saving;
- Support to use BOS customized field as the coding element;
- Support to set coding basis to control the generation of code flow number;

4. Auxiliary Property

- Support definitions of auxiliary property;
- Support controls of material's auxiliary property;
- Support value of material's auxiliary property;
- Support value combination of material's auxiliary property;
- Support applications in business doc;
- Support query of real-time inventory;
- Support filter of auxiliary properties in docs list;

5. Public Settings

1) Parameter Settings

Display content by business domains, support to set and control parameters in level of data center or organization. Additionally, the system provides parameter variance analysis, helping users to clearly know the differences between the current system parameter and the system preset, thus better for parameters planning management and analysis.

2) Doc Settings

Provide two functions: Doc Parameter Configuration, Doc Enabling Settings in Mobile Platform

3) E-mail Settings

Provide enterprise e-mail settings and applications of workflow.

4) File Server Settings

Configure file servers

5) Dynamic Service Definition

Query of dynamic service form list.

6) CloudHub Settings

Configure mapping relationship with CloudHub, and support integration applications with CloudHub.

One-click start of CloudHub, support to create a team and publish a public account.

Through synchronizing the registered user, the CloudHub team will be activated automatically and the users will be mapped automatically.

Support to re-publish the public account of CloudHub.

7) Short Message Service (SMS)

Support to configure the short message service, and users can query the sending status.

8) Others

Support to view execution plan list and calculation task center.

6. Enterprise Demand

Enterprise demand management is integrated into the product by Kingdee Cloud, helping the enterprise to collect user demands. When there is no sufficient internal development resources to solve the enterprise demands, the user can use this system to publish those demands to the Cloud Collaborative Development Platform, to seek proper external resources.

- Support to create and approve the enterprise demand doc.
- Support to publish and undo publish the enterprise demand doc.
- Support synchronization between the Enterprise Demand Doc and the Collaborative Development Cloud.

2.7.13 Organization Management

2.7.13.1 Main Functions

1、Organization

Supporting a multi-org. application mode is a great feature of Kingdee Cloud. Main functions are:

1) Enable multi-organization

After creating the data center, the default application mode is "Monomer Org.", "Multi-org." can also be selected as required by the actual business. After enabled, the system supports handling of multi-organizational businesses.

2) Organization

Organizations are the basic data for multi-org. business operations. The organizations can be divided into accounting org. (dimension of independent financial accounting) and business org. (dimension of independent business operation), and organizations are separated into different functional types according to different business responsibilities.

The organization is the basic premise of business data isolation.

The organization can be disabled. And after being disabled, users can query the historical data, or add more users and roles.

2、Org. Relationship

1) Organizational Subordination Relationship

This is a reporting relationship between the superior and the subordinate, which can be used as a basis to summarize the statistical business data, thus helping the superior to do management and analysis.

This relationship is created based on the organization functions. For example: An organizational hierarchical relationship of sales management is created by the function of sales. And this relationship also supports more than one customized subordination schemes, in order to realize reporting relationship of business organizations under multiple schemes environment.

2) Organizational Transaction Relationship

This is a collaborative relationship among business organizations created based on the upstream and downstream relationships of businesses, and it depends on the department positions within the organization.

The system provides 12 business relationship types (such as entrusting sales, entrusting purchase, entrusting keeping, entrusting production), supports cross organizational business operations and inter-organizational settlement.

This relationship can be defined and viewed by different consignors or consignees, thus making the applications of this relationship become more flexible and convenient.

3、 Master Data Control

1) Control Policy of Master Data

With the master data control policy, the master data can be isolated in the level of organization, and there are 3 types of policy control, such as Shared, Assigned and Private, these will directly affect methods to add, allocate and apply the master data.

The control policy supports to create and use organization definition, "Assigned" type can also support modifications of master data in level of field.

4、 Changes of Org.

This refers to the changes of enterprise's organizational structure or organizational functions, supporting the following 4 changing forms: Split Org., Merge Org., Undo Org. and Organizational Function Adjustment.

- Support 4 changing modes: (handled by Administrator)
- The system presets rules of changes checks, and users can also adjust them as required;
- Support dependent change of master data; (Business person changes organization of master data)
- Support dependent change of business data; (Business person changes organization of business data)

2.7.14 System Management

"System Management" is a basis of system running, and is also a foundation supporting the business operation.

2.7.14.1 Main Functions

1、 User Management

Besides some basic functions, "User Management" also provides:

Assign roles: Realize permission controls through assigning roles.

Password policy: Support to set the password rules, and allow users to use unique system password; Support to set time-validity rules of password and give alert at maturity; Support to set password control rules, and allow controls of password using and adjusting.

Time-validity rules: Allow users to set time validity.

Administrator is the only one preset user, who can do any operations related with system management, but not business operations.

Through "Sync Registered Users", the "Registered Users" mode can download registered users from Kingdee Cloud platform or upload Kingdee Cloud users to Kingdee Cloud platform for auto registration.

2、 Role Management

Roles are applied as the carrier of the permissions, and correspond to positions in HRM system.

In view of types, roles contain common roles and system administrator. Common roles can be authorized, the administrator needn't to be authorized, but he/she can set the authorization range.

After enabling the multi-org., roles can be divided into Public and Private in view of properties. Public roles belong to all organizations, and can be used by all the users of administrator; and private roles only belong to a specific organization, and can only be used in this organization.

Additionally, "Role Management" function supports to delete users.

3、 Permission Management

"Permission Management" in Kingdee Cloud is used to authorize by different roles, including function authorization (by modules/business objects), mass authorization (by full function/business domain/modules/business objects), field authorization and data permission; also, this provides permission reports, helping to query the permission conditions for better permission management.

1. Function Authorization

There are two authorization modes, one is authorized by modules (module + permission group), and the other is authorized by business objects (business object + specific permission).

Permission status contains: Authorized, Unauthorized and Disabled. And "Unauthorized" is defaulted. "Disabled" is a special mode of "Unauthorized", using to avoid permission conflicts when authorizing more than one roles to one user. When making some controls, "Disabled" is prior to "Authorized".

2. Mass Authorization

There are 4 authorization modes, including "By full function", "By business domain", "By module" and "By business object", and each mode provides 3 combined applications of "By selected objects", "Permission group" and "Permission item".

Mass authorization is an appending authorization mode.

3. Field Authorization

It refers permissions of operations on business object fields. The system provides 2 groups: View and Edit. Users are allowed to set "", "" and "" for each group. The default field permission is "Authorized". "Disabled" is a special mode of "Unauthorized", using to avoid field permission conflicts when authorizing more than one roles to one user. When making some controls, "Disabled" is prior to "Authorized".

4. Data Permission

This is provided for permissions of "View", "Edit", "Delete" and "Approve". It is mainly used to isolate the key data, thus improving the data privacy.

This function supports to set specific master data of business object or master data on the business object, and also supports to acquire the data range of master data in an association manner by pressing F8 on Master Data interface when creating a new business doc. It supports to set the doc selection and the doc type.

It provides data rules configurations and applications of position report system, and also supports to drill down the isolation data by the position system when viewing the business doc.

4. Login Log

It is an operation log, using to record operations of login user, and focuses on the operation result.

Provides archiving rules, archived automatically by the quantity users set. After archived, users can query related records through "Query Archive".

Provides clearing rules, clear the login log from Kingdee Cloud DB, and back it up to the specified path, displaying Excel format.

5. Other Managements

Display records of conflicted operations, and allow users to delete these records manually.

2.7.15 Business Monitor Platform

Business Monitor Platform is a platform to centrally manage and configure the existing monitor objects in Kingdee Cloud system, and this is also a great new function of this version. With this platform, users can execute the monitor scheme at scheduled time, and send eligible monitor records to the recipient, thus realizing the monitor control of such main business units in enterprise management as purchase, goods arriving, payment sales, delivery, collection and inventory management. And depends on Kingdee Cloud, CloudHub light APP realizes mobile monitor.

2.7.15.1 Main Functions

1. Provide periodical monitor service, and the system will perform scheduled business monitor based on the time specified by the user.
2. Kingdee Cloud BOS platform provides a function of customized monitor object, and support simple Configurations and secondary development plug-ins, in order to meet the enterprise's personalized requirements.
3. It provides a function of customized monitor condition, different monitor conditions can be set for different monitor schemes, supporting to create and execute more than one monitor schemes.
4. The title and detailed context of the monitor message support to select variations, and support arithmetics.
5. The merged title of the monitor message supports to select variations, and support to set groups and make summaries and support arithmetics.
6. Monitor record provides settings of the upper limit.
7. Monitor recipient support multi-dimensional selections. and allow to control to send monitor messages according to the function permissions of the recipient.
8. The monitor scheme can be executed manually, helping testers to monitor the execution result of the monitor scheme.

9. Monitor message supports to directly process the business.
10. It support to view the monitor execution status, helping the system administrator to perform daily monitor.
11. Through selection of sending method of [CloudHub Message], realizing that "Business Monitor" light APP can receive the monitor messages.
12. Support to set "Business Monitor" light APP, provide classification statistics of summary messages, provide classifications of details messages and summary statistics, and support to set the displaying contents of the detailed message.
13. Support to release "Business Monitor" light APP.
14. Monitor messages of "Business Monitor" light APP are displayed in summary, and users are allowed to query the associated detailed monitor message. Users can subscribe messages of their required monitor scheme, and also can urge person to process the monitor messages.

2.7.16 Integration Platform

Using the method of database interaction, the integration platform can solve the following two application scenarios. One is "The third-party software+Kingdee Cloud FI" application mode, and the other one is to use Kingdee Cloud to replace with other ERP systems. The first one can realize the integration of the business data and financial data, and the second one can be used to directly replace the product. Through configuring the integration scheme on integration platform and executing the scheme at the background at scheduled time, the system realizes seamless integration of business docs and financial vouchers, and support to continuously execute uncompleted businesses and to query historical data.

The integration platform also provides a preset solution for upgrading to Kingdee Cloud from WISE V12.2.

2.7.16.1 Main Functions

1. DB Connection

Configure the data connection scheme of the source system, using as the support for

subsequent integration.

It supports to create and connect to more than one source system database.

The current version only supports SQL Server.

2. Master Data Mapping

Set the correspondence relationship between the master data of system and the master data maintained in Kingdee Cloud, using as the mapping of subsequence business doc integration.

3. Business Doc Mapping

Configure fields correspondence relationship of business docs between the source system and Kingdee Cloud system. If the fields are master data fields, then call the master data mapping relationship to handle. If there are other fields, then directly insert the specific data.

Mapping rules: Do not support integrations of association relationship of business docs, only integrates business docs themselves.

4. Query of Master Data Mapping

Allow to view the value mapping result of master data, and support to adjust the mapping results manually.

5. Query of Business Doc Integration

View the integration results of the business doc according to the business doc mapping schemes.

6. WISE Integration Scheme

The system presets WISE V12.2 integration scheme for key docs in FI and SCM systems, allowing adjusting the WISE integration scheme as required. Schemes not include immediate docs, like: Material Receipt Notice, QC Doc and etc.

WISE integration scheme distinguishes uncompleted business and historical data.

1). Uncompleted business: Mainly integrate uncompleted delivery and receipt, collections and payments, and partial data of bills business.

2). Historical data: Consistent with data in the source system, associated data will not be integrated.

7. K/3 Wise Integration Wizard

With the wizard, users can upgrade K/3 WISE to Kingdee Cloud, select source system connection, range of master data mapping and sync range of business docs as required, and then sync the data.

2.7.17 System Tools

This version provides the following system tools for initializations and implementations to improve the efficiency. Support downloading from Cloud platform.

2.7.17.1 Main Functions

1. Data Import Tool

This tool is mainly used to initialize periods, the implementation person should enter the initial data into the system as soon as possible, to realize fast implementation and fast go-live. This tool supports the imports and exports of users, roles, permissions, master data, auxiliary data, initial balance of account and business docs, and provides the function of mass import and export.

1) Export Template

This tool supports to export users, roles, permissions, master data and business doc templates. After entering data in the template manually, users can import those data to Kingdee Cloud.

2) Exporting Data

This tool supports to export such data in Kingdee Cloud as users, roles, permissions, master data and business docs to Excel, and also supports to adjust data manually.

3) Importing Data

This tool supports to import the data in Excel to Kingdee Cloud.

2. Environment Detection Tool

This tool is mainly used to help on-site implementation person or the system administrator to check the exceptions of the machine, and quickly locate and solve problems.

This tool provides 6 kinds of detection service, including Overall, Client, DB, Application Server, Management Server and Others, and supports two detection methods (Detect All

and Detect Selected). Users can solve related problems through "Manual or Auto Restore", "Detection Report" and "Guide of Common Q&A". The tool supports to set the machine to be detected.

3. Data Clearing Tool

This tool is used to clear business docs, logs, business processes, balance sheets and temporary tables in Kingdee Cloud data center, and it also supports to customize to clear the system data, thus helping customers to reduce the data volume of the data center, and further improve the system efficiency.

Preparation work should be done before the data clearing, including define check rules, check schemes, clearing rules and clearing schemes. For details, please refer to the contents below.

1). Check rule defines check rules of business object, like doc status and date, mainly used to validate whether docs dated before the end date (include the end date) can be cleared or not.

2). Check scheme defines check rules used by the scheme, check if the business object before the clearing date conforms to the rules.

3). Clearing rule defines clearing rules of business object, determine the data range to be cleared, like source and target docs, and doc clearing range.

4). Clearing scheme defines clearing rules used by the scheme, used to clear data before the end date.

The system provides preset schemes and rules, and support users to customized their own rules and schemes which are both supported by plug-ins; support definitions of secondary development docs; support to import and export the scheme.

Data clearing process adopts wizard-like clearing mode, including four steps: Input basic info, pre-operation check, specify clearing range and execute the clearing; provide detailed check report and clearing report.

2.7.18 Safety Management

Kingdee Cloud adopts the mode of public Cloud, which makes the system much more

safe. At present, the system provides various safety controls, such as dynamic password card, CA authentication, secondary verification, and etc.

2.7.18.1 Main Functions

1. Dynamic Password Card

The dynamic password card is mainly used to further strengthen the management of user passwords. Comparing with the static password, the dynamic password is much more safe.

The system supports to import the dynamic password card, support to set the correspondence relationship between dynamic card and the user through two methods: Directly binding the user and Select dynamic password card.

After enabling the dynamic password authentication for the selected data center in the administration center, users can use the dynamic password card to acquire a dynamic password and log in the system. One user can apply the same dynamic password card in different data center.

2. CA Authentication

CA authentication (U-key) is mainly designed to control user's password safe, thus reducing the key data reveal.

The system supports to enable CA authentication for the data center in the administration center. Once insert U-key, users can log in the system with CA ID .

3. Secondary Authentication

Secondary authentication is mainly used to further control key operations safe, to reduce the leakage of key data.

The system supports to set secondary authentication for key operations of the business object, and the system will authenticate again according to the authentication method when executing the business operations.

4. CloudHub Dynamic Password

Provide CloudHub Light APP - Dynamic Password, no need to buy any device.

Provide dynamic password (CloudHub) authentication, to acquire the CloudHub dynamic password to log in the system.

2.7.19 Implementation Platform

Through building implementation task road map for users, the implementation platform provides task descriptions for each task, to guide users to configure the system and import the initial data according to the steps. This helps to lower the difficulty of product implementation, increase the usability, thus helping to quickly deliver the system application projects.

2.7.19.1 Main Functions

1. System Management Implementation Wizard

This is a wizard of implementation management for administrators, which provides corresponding implementation instructions for each task. The main functions include: Enable multi-org., Org. Settings, Master Data Control Settings, System Parameter Settings and roles and users definition. Users can make corresponded settings after reading the implementation instructions.

2. Multi-org. Implementation Wizard

For enterprises enabling multi-org., this wizard is used to help the administrator to create HQ, corporate organization and corporate internal org., thus helping to create the organization quickly.

3. Implementation Project Management

It mainly contains 2 functions. First, the administrator creates the implementation project, through selecting the sub system and organization range to be implemented, the system will automatically build a default implementation tasks list, then the administrator can adjust the task as required, and assign it to the specified user. When the user logs in the system, he/she can query his/her to-do list, and then make proper settings after reading the task instructions.

2.7.20 Portal Management

Homepage contains two sets of skins, Standard and Default; support two login modes (Web and GUI); provide homepage components maintenance platform; support to replace each module in homepage based on components; support to import the external links.

2.7.20.1 Main Functions

1、 My Business

"My Business" is mainly used to convert the business data to a chart, helping business personnel to visually and vividly observe and analyze the changes of businesses.

Currently, the business chart is designed for business docs, providing displaying of two-dimensional data, and the following four charts are supported: Bar Chart, Line Chart, Pie Chart, and Pivot Chart. Business chart supports user-defined configurations.

2、 My Work

"My Work" contains: To-do Tasks, In-progress Process and Business Monitor.

3、 Common Functions (SIL and GUI)

Every user can set their own common functions, and the system also presets some common functions according to different roles.

4、 System Messages

Support to send system messages

5、 Homepage Customization (SIL)

Support layout adjustments, content configurations and support to specify users.

6、 Local Configurations

Support local users to configure colors, set gradual progress of table and message closing time for the selected row.

Additionally, it supports to import or export this configuration, thus reducing the repeated work.

2.7.21 HTML5

Kingdee Cloud releases HTML5 client, realizing supports of HTML5 and cross-org. applications. This supports most major browsers.

2.7.21.1 Main Functions

- 1、 Kingdee Cloud support applications of HTML5.
- 2、 HTML5 login interface reflects core feature of Kingdee Cloud.
- 3、 HTML5 homepage displays in tabs, supporting users to configure personalized contents, providing a brand new users experience.
- 4、 HTML5 docs adopt flow layout, realizing personalized configurations of doc layout.

2.7.22 BI Product Integration

Kingdee Cloud supports to integrate with the operating analysis platform (BI), users can drill for business data from Kingdee Cloud. With data analysis function on this platform, the system can perform multi-dimensional data analysis.

2.7.22.1 Main Functions

- 1、 Support to install the operating analysis platform independently. A simple and clear installation instruction is provided.
- 2、 Analyzing in views of financial analysis and sales analysis, it provides preset analysis models, including: expense analysis, capital analysis, sales analysis and credits analysis.
- 3、 Provide visualized analysis of operating data.
- 4、 Support settings of individual reports.

2.8 BOS Platform

2.8.1 BOS Platform

2.8.1.1 Main Functions

Kingdee Cloud BOS Integration Development Platform adopts domain model library for modeling, supporting dynamic forms, master data and business docs, thus making the expansion easier. Support object expanding and inheriting. With abstracting lots of form

logics and process rules, and providing multiple business object templates integrated with general operations and control logic, users can quickly complete various business object designs on BOS integration development platform.

During object design on BOS integration development platform, the design of business objects is in "WYSIWYG (what you see is what you get)" mode, and can be tested at any time before the object is released. As well, this platform provides a function of quick deployment, to meet the requirements of developments in other locations and deployments in more than one database.

Each business object designed and developed on BOS integration development platform will be marked with the developer, helping to quickly identify whether the business object is provided in Kingdee standard product or created during the secondary development. This provides a foundation for seamless upgrade.

This platform also integrates simple report design functions, to meet the requirement that the customers want to develop reports by themselves. It also supports to display reports in such styles as simple two-dimensional table, pages and trees. Together with the complex report design functions provided by the universal report platform in BOS, this can meet various requirements of different customers and different business applications.

BOS running platform is a platform for various business objects, and users can display and control business objects based on the design model and the general function configurations of the business object.

2.8.1.2 New

2.8.2 Workflow Platform

2.8.2.1 Main Functions

The workflow platform supports workflow design, management, running, monitor and provides a process portal and reports.

Brand-new design philosophy: This platform adopts brand-new "Process-Node-Action" three-layer design philosophy, and provides modules of workflow configuration and management, allowing users to set features of process models and to manage process

instances and tasks, thus making the workflow design and management more visual and easier.

Overall process driven: Managers and business handlers in the enterprise can timely and clearly know and process their tasks in the information center without opening the business objects list or docs list.

Besides, considering the application features of the old K/3 customers, we provide featured approval process.

2.8.3 Shared Service Center

2.8.3.1 Main Functions

"Shared Service Center" support that different organizations, companies in different locations and different branches handle their businesses in one shared service center, thus realizing the standardization of the data and the process, and reducing the enterprise's operating costs and improving the management efficiency. Through configurations, the shared task pool of each business can be realized, for example, Financial Share, HR Share and etc.

Shared service center includes: organization function settings, business delegation configurations, process design, task allocation policy, task allocation rules, image docking and task monitor reports.

First, set the shared service center function of the organization, then this organization has business functions of the shared service center, and other organizations can delegate business to it, and these businesses will be processed uniquely in the shared service center.

Shared service mode and image docking node are added in the process designer, in this way, the doc can be entered into the shared task pool based on the workflow. Tasks in the shared task pool will be handled by different person according to different allocation policies and allocation rules. With image docking node, the doc and the image will be associated together, thus realizing management of images through scanning bills and archiving.

For the task allocation policy of business person in the shared service center, users can use the following two policies to allocate the tasks: scramble for orders and equilibrium assignment. This can improve the efficiency of task handling in the shared service center. The administrator in the shared service center has permission to allocate and view tasks, and can configure all the business docs, and all these configurations can be entered into the task pool in the shared service center for such subsequent operations as approval, image view, re-scanning, archiving and printing covers.

2.8.4 Business Flow Platform

2.8.4.1 Main Functions

This platform provides such functions as business process design, management and monitor, helping enterprise to collate and standardize the actual business processes.

The model design and template configurations of the business flow are completed in the Business Flow Design Center and Business Flow Configuration Center. Multi-version management and applications are supported. Business Flow Management Center can manage the business flow instances, and supports to switch versions of the business flow instance during running.

Customized doc conversion rules, backfilling rules and business flow models support deployment function.

Business flow can quotes the preset or customized doc conversion rules and backfilling rules, and during the process running, it can make docs converted according to the specified rules, and supports backfillings at any level.

With this platform, enterprise's business processes can be completely tracking, helping business person to know in which link the business flow is in, and display corresponding associated data.

2.8.5 Preformat Print Platform

2.8.5.1 Main Functions

BOS provides an independent preformat print template design platform, users can design their own template as required.

To make the preformat print more simple and efficient, the new preformat print platform provides many controls, like the data sheet control; users can also directly quote BOS Query as the metadata of the template. Additionally, this platform also provides a much more powerful paging function and allows previewing the virtual data.

When adopting preformat print, users can control the print effects through setting a series of print parameters.

And the standard product also provides preset preformat templates for most business objects.

2.8.6 Universal Report Platform

2.8.6.1 Main Functions

Kingdee Cloud Universal report is a report design tool which has similar functions and operations with crystal report, it is seamlessly integrated with Kingdee Cloud BOS system, and thus making it is easy to use.

Doc-type reports in Kingdee Cloud Universal Report can be functioned as a preformat print template, after associating with a doc, "Standard Print" can be completed in the doc interface.

List-type report can be directly published and can be deployed to any sub systems in Kingdee Cloud, using to query reports.

Data source of report refers to the data access source of the report, generally indicating the specified DB address, DB object or objects collection, like form, view, storage process and SQL statement. The current version only supports DB physical form of the business doc.

To create a new SQL increment report, please enter "Report Style Generation Wizard"

interface, select the data source and set the association relationships with multiple data source, select a specific report style and configure basic properties of the selected style.

2.8.7 Mobile Platform

2.8.7.1 Main Functions

Kingdee Cloud Mobile Platform is an open mobile application development platform, featuring open, standard, dynamic and easy-to-use, which helps enterprises to realize comprehensive applications of information mobilization. It provides an overall solution for enterprises based on ERP mobile application design.

Kingdee Cloud mobile platform contains 2 main parts: Mobile applications design platform, Mobile application client.

Mobile Application Design Platform is created based on a new-generation of Kingdee Cloud BOS platform; it abstracts business objects required by the development mobile applications. And users can quickly create a mobile doc with a visual designer. "WYSIWYG (what you see is what you get)" mode makes work easier. With the publication function, data can be displayed in real-time manner on the client, and mobile end can directly and instantly use the latest contents without upgrading. It supports to integrate with CloudHub and WeChat, and the development results can be directly published to CloudHub and WeChat for further integration applications.

Kingdee Cloud Mobile Workbench is a mobile application client which can be installed on mobile devices. Users can easily access mobile applications published on server through this workbench.

2.9 Collaborative Development Platform

Kingdee Cloud Collaborative Development Platform is designed to integrates development resources in industrial chain, including value-added partners, organizations, ISV and customers with capability of development, in order to quickly response to the

customer requirements and improve the quality of enterprise management. Additionally, this platform will build a professional experience center of enterprise management application, forming a network center for K/3 customers where they can conveniently browse, experience and communicate with each other online.

2.9.1 Collaborative Development

2.9.1.1 Main Functions

Online Project Delivery, Industrial Product Development

Kingdee Cloud Collaborative Development depends on BOS IDE and uses Kingdee Cloud passport as the portal, it centrally manages secondary development and industrial product development (developed based on Kingdee Cloud) in the form of applications. This greatly lowers the admittance level, helping developers to study, communicate and publish their development results. This function integrates customers, partners, developers, implementation person and QH experts as a flexible team, and the team can participate in any projects as required.

2.9.2 Collaborative Development Web site (open.kingdee.com)

2.9.2.1 Main Functions

There are 5 modules in Collaborative Development Platform: Development Portal, APP Experience Center, Collaborative Development Cloud, Developers Management and Development Partners Management. Main functions are described below:

1. APP Experience Center

This is an enterprise-level application experience management of Kingdee Cloud Collaborative Development Platform. It supports on-line experience of products released by partners, customers or Kingdee, and customers can easily experience their interested enterprise applications through Internet.

2. Development Partners Management

This is a development enterprise management of Kingdee Cloud Collaborative Development Platform. With this function, the development enterprises can: do quick

registrations, get certificates authentications, manage internal staff (like address book) and manage internal projects.

3. Documents Center

Support Kingdee or partners to upload shared documents, and to set corresponding permissions, like specifying a user, some users or all users to view.

2.10 Internationalization Platform

Kingdee Cloud provides an excellent system framework and functions to meet the requirements of internationalization applications. It supports varied requirements of financial accounting standards and taxation systems in different countries/regions, and users are allowed to set different formats based on their own habits. Thus, considering in the level of business applications, this platform can effectively support applications in different countries/regions. Kingdee Cloud also provides an independent SaaS Multilingual Translation Platform, helping local partners to do translations of the product without obtaining the source codes.

2.10.1 Multilingual Application

Kingdee Cloud supports to enable multilingual for business data in the same data center, and automatically display the business data under the corresponding language environment that users log in. It is convenient and fast to enable the language, users can add one or more languages into the current data center just by clicking "Enable" in the languages list. After one language is enabled, it can also be disabled as required. And the corresponding original language data will not be deleted when the language is disabled.

You can maintain the multilingual master data in "Maintain Multilingual Master Data". This function supports to add maintenance and applications of different languages during the operations in the data center.

Note: Kingdee Cloud supports 3 languages: Simplified Chinese, Traditional Chinese and English.

2.10.2 Multiple Accounting Standards

Through definitions of different accounting elements and settings of different accounting rules, Kingdee Cloud can meet the requirements that one operating entity performs accounting and reports preparation according to different accounting standards. For details, please refer to "2.1 Financial Accounting".

2.10.3 Support of Multiple Taxation System

Kingdee Cloud supports applications of taxation systems in different countries/regions. Through defining taxation systems, taxation categories, tax rates and rules, the system can meet tax requirements of each country/region.

In the released V6.2, the taxation system of China and related rates and rules of the corresponding VAT are preset. And enterprises can easily set the tax processing rules of other countries/regions with considering their specific businesses.

2.10.4 Support of Different Application Habits

In Kingdee Cloud, users can customize their preferred displaying formats through "My Format" and "Time Zone Settings", such as date, time, number, currency and etc., which make the system closer to user's habit.

The system administrator can also define a unique information displaying format for the data center through internationalization parameter settings. However, the priority of personal format settings is higher than administrator settings.

2.10.5 Multilingual Translation Platform

This is a special localization tool of Kingdee Cloud, helping localization experts to improve the work efficiency, thus providing more translation outputs with higher quality.

2.10.5.1 Main Functions

1. Solutions Management

It provides management of multilingual translation solutions. Users can manage multiple localization projects effectively through setting the translation solutions. For example, versions of English and Spain can be localized concurrently.

Additionally, users can set permissions for different translation solutions access, and partners can only access the multilingual database with corresponding translation permissions.

2. User Management

This function can be used to manage the login accounts, passwords and permissions of translators. With the functions of users and permissions management, the system can provide a safety access of term resources for internal and external people.

3. Domain TermBase Management

Domain termbase is used to store general terms classified by their belonging product domains, and users can maintain the terms and their translation results, which is like to maintain a dictionary. If any untranslated terms on the doc belong to the domain termbase, then they can be translated automatically by clicking "Sync with Domain TermBase" on the interface.

4. Public TermBase Management

Public termbase is used to store terms which are usually used in the current translation solution, and users can maintain the terms and their translation results, which is like to maintain a dictionary. If any untranslated terms on the doc completely matched with those in the public termbase, then they can be translated automatically by clicking "Sync with Public TermBase" on the interface.

5. Prompt Messages Translation

The system abstracts product prompts and stores them in the corresponding domain in the prompts list, and translators can select a domain to translate and approve terms (or other operations, such as filter, search and etc.).

6. Preset Data Translation

Preset data contains data-type terms preset in the program, the translation platform will classify these terms automatically, and translators can translate and approve terms (or other operations, such as filter, search and etc.).

7. UI Translation

To improve the accuracy of translations, it is better for translators to know the term's application scenario and its context. This function is used to directly call all the information,

such as doc, master data, dynamic form, statement, dialog box, menu and bitmap, helping translators to know better of the term application. In this way, the translation will be faster and more accurate, and the localization quality will be greatly improved.

The interface data are saved by the different modules according to the product layout, and translators can click any detailed node to enter the interface and start the translation.

8. Statistical Reports

It provides statistics outputs against translation solutions and translation volume, as well, the repeated data are filtered out in order to provide a more specific workload data.

2.10.6 Cloud Translation Platform

After logging in Kingdee Cloud client, you can access the module of Cloud Translation Platform, which is mainly used to translate secondary development data for customers. The prompt messages of secondary development functions are submitted through Cloud Cooperation Platform, and then translators can translate them on the client. When the translations are completed, the language package will be submitted to this platform for building, thus realizing fast and convenient localization of the secondary development functions.

3. System Deployment Environment

3.1 Deployment Roles of System

Role	Definition	Main Third-party Components
------	------------	-----------------------------

<p>Application Server</p>	<p>It provides "System Business Sites", and common users can use this system through accessing this application server. And the accessible SOB list and user license are provided by the administration center.</p>	<p>IIS (7.0~10.0) .NET Framework 4.0/4.5 MSMQ (Microsoft Message Queue) MSDTC (Operating System Components)</p>
<p>Administration Center</p>	<p>It provides "System Management Sites", which can only be accessed by the Administrator, using to manage SOB DB and the application server. And user license is also managed in this center.</p> <p>The relationship between the administration center and the application server is "One-to-more": It means one administration center can manage more than one application servers; and one application server can only be registered in one administration center.</p>	<p>IIS (7.0~10.0) IIS FTP Module .NET Framework 4.0/4.5 MSMQ (Microsoft Message Queue) MSDTC (Operating System Components)</p>

<p>SOB DB</p>	<p>It provides "SOB" to the application server to access. This role does not need to install any Kingdee components, just DB system is functioned.</p>	<p>SQL Server (2008 R2/2012/2014/2016) or Oracle DB 11gR2 (11.2.0.4) Oracle DB 11gR2 (12.2.0.1)</p>
<p>DB Management</p>	<p>It provides "Data Management" to the administration center. This role does not need to install any Kingdee components, just DB system is functioned.</p>	<p>SQL Server (2008 R2/2012/2014/2016) or Oracle DB 11gR2 (11.2.0.4) Oracle DB 11gR2 (12.2.0.1)</p>
<p>User</p>	<p>For "Common users", they can access application servers through the browser or WPF client.</p>	<p>For details, please refer to versions of operating systems and browsers supported by MS Silverlight 5.0, and Silverlight 5.0 supported by the browser.</p>
<p>Administrator</p>	<p>For "Administrator", he/she can manage the system by accessing the administration center through a browser.</p>	<p>For details, please refer to versions of operating systems and browsers supported by MS Silverlight 5.0, and Silverlight 5.0 supported by the browser.</p>

Note:

1. For versions of OS and browsers supported by Silverlight 5.0, please refer to:

<http://www.microsoft.com/getsilverlight/locale/en-us/html/installation-win-SL5.html>

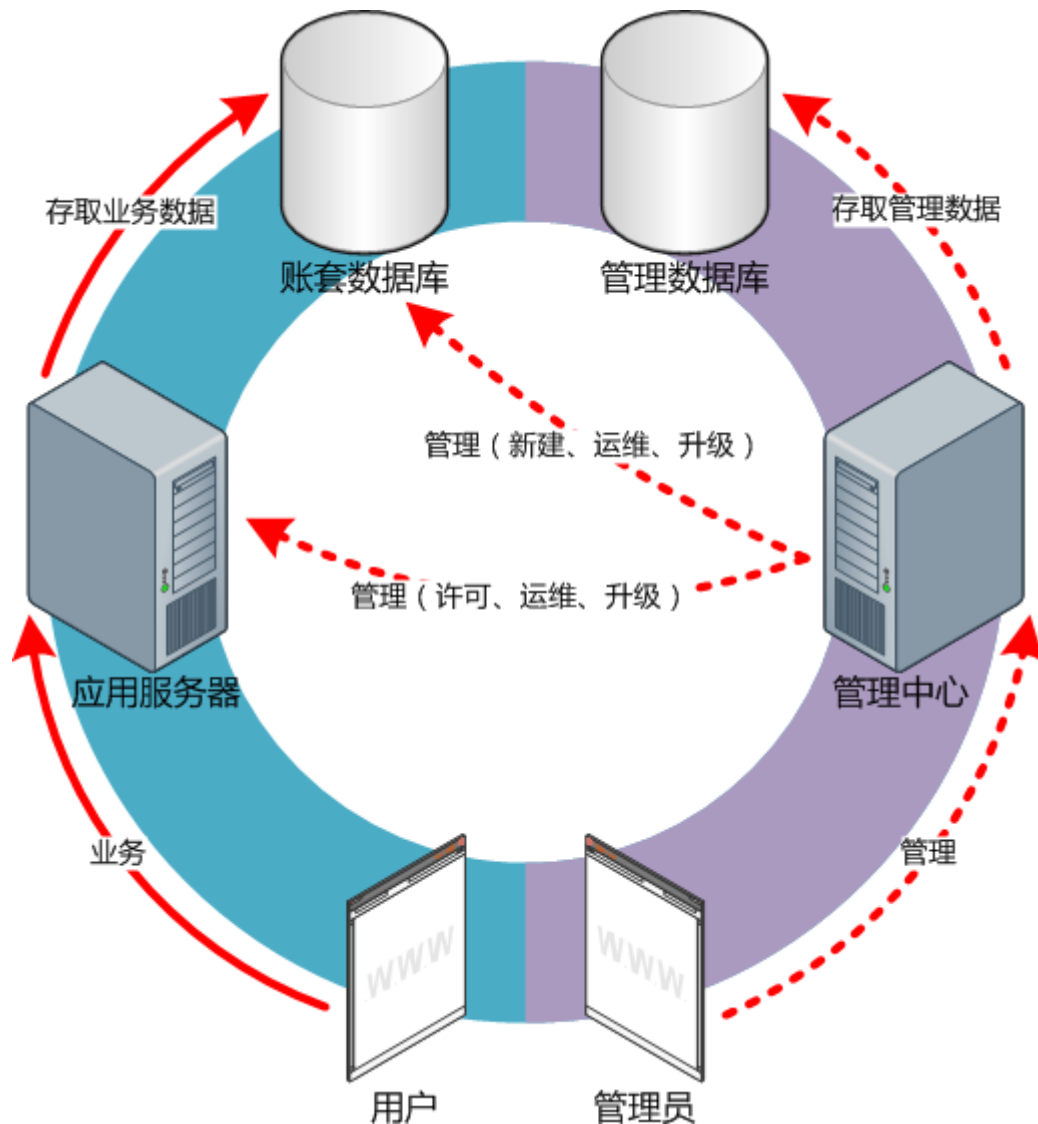
2. For Chrome, version 45 or above, NPAPI plug-in will not be supported any more, indicating that Silverlight plug-ins will not be supported (and this cannot be edited manually).

For Chrome (Version 45 or below), if Silverlight plug-in is not supported by default, users can enable it manually. For detailed steps, please refer to:

3.2 Access Model of System

Access model for users: **User -> Application Server -> SOB DB**

Access model for administrator: **Administrator -> Administration Center -> Application Server/SOB DB/Administration DB**



System Access Model (Refer to Picture Above)

Initial deployment task for administrator: **Install system -> Access Management Site -> New Management Site -> New SOB -> Register Application Server to Administration Center** (registration is not required if the application server and the administration center are in the same machine)

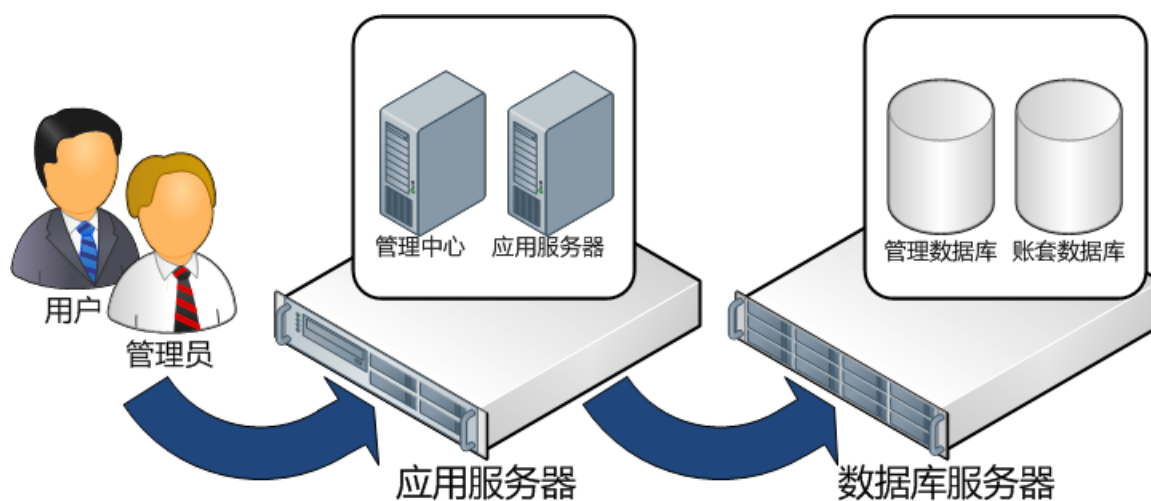
User license management can be started once "Administration Center" is created.

Only "Application Server" and "Administration Center" should be installed, and the DB needn't to be installed. Users can create, maintain SOB DB and Admin DB by accessing SQL Server or Oracle DB through the administration center.

For detailed process of installation and deployment, please refer to "Product Installation Guide" in the installation disk.

3.3 Recommended Deployment Method

Generally, the administration center and the Admin DB occupies less resources, thus for convenience, it is usually suggested to install both the application server and the administration center on the same OS, and store SOB and Admin DB in the same DB instance on another server. In this way, system deployment can be completed with only two servers. And then, the performance can be ensured.



General Deployment Method for Production Environment

If the system is deployed to finish such non-production tasks as demo, function testing and development, you can deploy all server roles on the same OS on one server. However, this is not allowed in the customer's production environment.



General Deployment Method for Non-Production Environment

If the system needs cluster or has higher requirements of system security, you have to separately deploy each role, thus two or more servers are required to complete the deployment.

For details, please refer to "System Administrator Manual" in the installation disk.

3.4 Supported Running Environment

3.4.1 Running Environment of Application Server

The following running environment of application server is suggested for customers' production system, which has been completely tested by Kingdee.

First Supported Running Environment_Application Server				
Windows Server 2008 R2 Remarks: Do not support "Core Installation" mode.				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Web Standard Enterprise Data Center	64-bit (x64)	SP1 + Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 7.5 (OS Role) Message Queue (OS Function) .NET Framework 4.0/4.5 MSDTC (Operating System Components)
Windows Server 2012 Remarks: Do not support "Core Installation" mode.				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components

Standard Data Center	64-bit (x64)	Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 8.0 (OS Role) Message Queue (OS Function) .NET Framework 4.5 MSDTC (Operating System Components)
Windows Server 2012 R2 Remarks: Do not support "Core Installation" mode.				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Standard Data Center	64-bit (x64)	Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 8.5 (OS Role) Message Queue (OS Function) .NET Framework 4.5 MSDTC (Operating System Components)
Windows Server 2016 Remarks: Do not support "Core Installation" mode.				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Standard Data Center	64-bit (x64)	Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 10.0 (OS Role) Message Queue (OS Function) .NET Framework 4.5 MSDTC (Operating System Components)

The following environments are only passed general testing of Kingdee, indicating that the system can be installed and run normally, but the performance and the stability cannot be ensured. It is suggested to use in such non-production system as demo, testing and development.

Secondary Supported Running Environment_Application Server				
Windows Server 2008 Remarks: Do not support "Core Installation" mode.				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Web Standard Enterprise Data Center	32-bit (x86) 64-bit (x64)	SP2 + Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 7.0 (OS Role) Message Queue (OS Function) .NET Framework 4.0/4.5 MSDTC (Operating System Components)
Windows 7				

Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
All Versions	32-bit (x86) 64-bit (x64)	SP1 + Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 7.5 (OS Component) Message Queue (OS Component) .NET Framework 4.0/4.5 MSDTC (Operating System Components)
Windows 8				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Professional Enterprise	32-bit (x86) 64-bit (x64)	Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 8.0 (OS Component) Message Queue (OS Component) .NET Framework 4.5 MSDTC (Operating System Components)
Windows 8.1				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Professional Enterprise	32-bit (x86) 64-bit (x64)	Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 8.5 (OS Component) Message Queue (OS Component) .NET Framework 4.5 MSDTC (Operating System Components)
Windows 10				
Supported Version	Supported Architecture	Recommended SP Level	Supported Languages	Required Components
Professional Enterprise	32-bit (x86) 64-bit (x64)	Latest Key SP	Chinese (P.R.C) English (U.S)	IIS 10.0 (OS Component) Message Queue (OS Component) .NET Framework 4.5 MSDTC (Operating System Components)

The running environments not listed above are not tested by Kingdee, thus may not be installed and ran normally.

3.4.2 Running Environment of Administration Center

The running environments of "Administration Center" and "Application Server" are basically the same. Differences are:

- (1). IIS on "Administration Center" server needs FTP module; please check it when installing IIS.

3.4.3 Running Environment of DB

The running environments supported by "SOB DB" and "Admin DB" are exactly the same, thus we call it "Running Environment Supported by DB" uniformly.

Supported Running Environment_DB					
SQL Server 2008 R2					
Supported Version	Suggested Architecture	Recommended SP Level	Suggested Collation	Required Components	DB
Standard Enterprise Data Center	64-bit (x64)	SP2 and above	Chinese_PRC_CI_AS	Database Service Management Tools MSDTC	(OS Component)
SQL Server 2012					
Supported Version	Suggested Architecture	Recommended SP Level	Suggested Collation	Required Components	DB
Standard Enterprise Data Center	64-bit (x64)	SP3	Chinese_PRC_CI_AS	Database Service Management Tools MSDTC	(OS Component)
SQL Server 2014					
Supported Version	Suggested Architecture	Recommended SP Level	Suggested Collation	Required Components	DB
Standard Enterprise Data Center	64-bit (x64)	SP2	Chinese_PRC_CI_AS	Database Service Management Tools MSDTC	(Operating System Components)
SQL Server 2016					
Supported Version	Suggested Architecture	Recommended SP Level	Suggested Collation	Required Components	DB
Standard Enterprise Data Center	64-bit (x64)	SP1	Chinese_PRC_CI_AS	Database Service Management Tools MSDTC	(OS Component)

Oracle Database 11gR2					
Supported Version	Suggested Architecture	Required Version	Character Set	Required Components	DB
Standard Enterprise	Linux	11.2.0.4+Latest PSU (Recommended)	DB Character Set: AL32UTF8 Country Character Set: AL16UTF16	XML DB	
Oracle Database 12c					
Supported Version	Suggested Architecture	Required Version	Character Set	Required Components	DB
Standard Enterprise	Linux	12.2.0.1+Latest PSU (Recommended)	DB Character Set: AL32UTF8 National Character Set: AL16UTF16	XML DB	

- Only customers with operation and maintenance experience of handling Oracle production environment will be suggested to use Oracle DB, while we generally recommend SQL Server.
- Please let technicians with Oracle production environment deployment experience install and debug the Oracle DB software, engineers with OCP certificate are preferred.
- For DB OS installation, please refer to official documents of MS or Oracle.

Remarks: If Oracle needs non Linux architecture, please contact Kingdee R&D center for any advice.

Note:

- 1、 If the sorting rules of SQL Server are: Suggested character set: "Chinese_RPC_CI_AS", Oracle DB character set: AL32UTF8 and national character set: AL16UTF16, then the database will be created with template library, and this approach is faster; and for other character sets, the system will judge automatically and give prompts, and users can create the library with pure script according to the prompts, and this approach is slower.

Additionally: The method that SQL Server modifies the sorting rules of DB instance.

- 1) Refer to MS official documents:

<http://msdn.microsoft.com/zh-cn/library/ms179254.aspx>

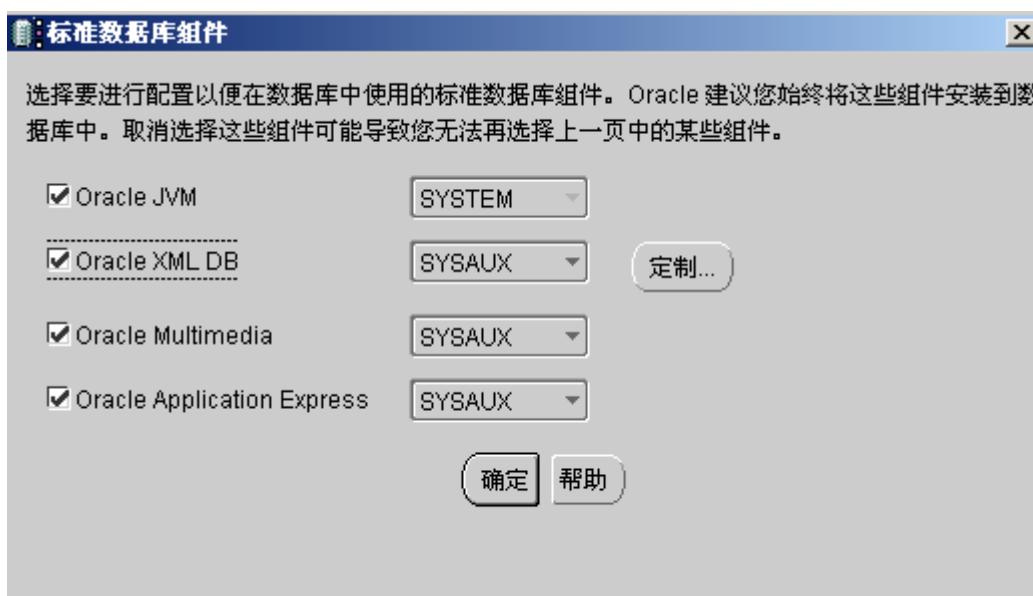
- 2) Re-install SQL SERVER and select "Chinese_RPC_CI_AS" sorting rule.
- 2、 For the production environment, 64-bit DB software is required.

How to check the instance already installed?

- 1) SQL Server: `SELECT SERVERPROPERTY('Edition')`
- 2) Oracle: `select * from v$version;`

If the return result contains "64-bit", it is OK; if no such characters returned, it is 32-bit which is not allowed.

- 3、 Because SQL Server has limitations on safety operations of the folder, it is suggested not to store the DB files and logs in the root directory or in the shared directory.
- 4、 Before creating Oracle administration center library or business library, please ensure Oracle DB has installed XML DB components. XML DB will be installed by default when creating an Oracle DB, please do not modify the defaults.



- 5、 After upgrading SQL Server SQL Server 2008 r2 to SQL Server 2012, the available maximum memories for 32-bit instances of SQL Server are shown below.

Settings of SQL Server and OS	Max. Memory for SQL Server
32-bit SQL Server on 32-bit OS	2 GB
SQL Server on 32-bit OS (32-bit and 3g boot options)	3 GB
64-bit SQL Server on 32-bit OS	4 GB

Before upgrading to SQL Server 2012, please carefully check the memory requirements of the existing instances of SQL Server. For details, please refer to MS help:

<http://support.microsoft.com/kb/2644592/zh-cn>

3.4.4 Running Environment of Silverlight Client

The followings are supported browsers environments on Silverlight client.

Supported Running Environment_Silverlight Client			
Browser	Supported Version	Supported Architecture	Browser Plug-in
Internet Explorer	8.0~11.0	32-bit (x86) 64-bit (x64)	Silverlight 5
Firefox	42.0.x-52.0.x	32-bit (Windows)	Silverlight 5
Chrome	44 and below	32-bit (Windows)	Silverlight 5

Silverlight client is absolutely based on WEB browsers that are why there are no limitations on OS versions. Only if the browser is supported by the OS, the Silverlight can run normally.

Note:

1. For Chrome, version 45 or above, NPAPI plug-in will not be supported any more, indicating that Silverlight plug-ins will not be supported (and this cannot be edited manually).

For Chrome (Version 45 or below), if Silverlight plug-in is not supported by default, users can enable it manually. For detailed steps, please refer to: <http://club.kisdee.com/forum.php?mod=viewthread&tid=904369>

2. Silverlight 5 only supports some versions of 64-bit IE, please refer to MS official documents: <http://www.microsoft.com/getsilverlight/locale/en-us/html/installation-win-SL5.html>

3. Use browsers with IE core (like IE, 360, Baidu, and etc.), and some configuration items officially recommended by Kingdee. For configurations, please refer to the following instructions.

Use IE-core browsers to access Kingdee Cloudwebsite, please add this website to your trusted sites list and allow to run ActiveX controls.

1. Open IE, access Kingdee Cloud, and click **Internet Options -> Security -> Trusted Sites -> Sites**, to add Kingdee Cloud to the list of trusted sites.

the script; Configuration value: Enabled;

4) Only allow approved domain to use ActiveX without any prompts; Configuration value: Disabled;

5) Download unsigned ActiveX controls; Configuration value: Enabled;

6) Download signed ActiveX controls; Configuration value: Enabled;

7) Allow ActiveX filter; Configuration value: Disabled;

8) Allow to run ActiveX controls not used before without any prompts; Configuration value: Enabled;

9) Run ActiveX controls and plug-ins; Configuration value: Enabled;

10) Download files; Configuration value: Enabled.

4. For Silverlight settings in IOS system, please go to Kingdee Cloud Product Forum.

<http://club.kisdee.com/home.php?mod=space&uid=421257&do=blog&id=119204>

Supported running environment on WPF client are listed below.

Supported Running Environment_WPF Client			
OS	Supported Version	Supported Architecture	Required Components
Windows	Windows7 and above	32-bit (x86) 64-bit (x64)	.NET Framework 4.0/4.5

WPF client is a Kingdee Cloud GUI client base on .NET framework, and if the operating system supports .NET Framework 4.0/4.5, it can be run normally.

3.4.5 Running Environment of HTML5 Client

The followings are supported browsers environments on HTML5 client.

1. Internet Explorer (IE), a browser of MS. Version 11.0 or above.

Official website: <http://windows.microsoft.com/zh-cn/internet-explorer/>

2. Google Chrome (Chrome), a browser of Google. Version 37 or above.

Official website: <http://www.google.cn/chrome/>

3. Safari, a browser of Apple. Version 5 or above.

(It does not support windows any more.)

Official website: <http://www.apple.com/cn/safari/>

4. Opera, a browser of Opera. Version 27 or above.

Official website: <http://www.opera.com/zh-cn>

Note: For the supports of browsers of Html5 functions, please refer to <http://caniuse.com>

Additionally, HTML5 client is absolutely based on WEB browsers that are why there are no limitations on OS versions. Only if the browser is supported by the OS, the Html5 client can run normally.

3.5 Recommended Network and Hardware Configurations

3.5.1 Network Configurations

Purpose	Reference Value of Configuration
Among each server	Gigabit Ethernet
Between Client and Application Server	Effective bandwidth on client: 256 Kbps (Min.); 1.0 Mbps or above is recommended Outbound bandwidth on server: (No. of Concurrent Clients/5)*1.0Mbps Network delay: <100ms Packet loss rate: <2%

For settings and requirements of network firewalls, please refer to "System Administrator Guide".

3.5.2 Server Configurations

No. of concurrent clients <200/Size of SOB <50GB			
Purpose	Reference Value of Configuration		Qty
DB Server ①	CPU	Total 16-core, 2.4 GHz or above	1
	Memory	64 GB	
	Storage	SAS Storage, RAID 10	
Application	CPU	Total 16-core, 2.0 GHz or above	1

Server ②	Memory	32 GB	
	Storage	SAS Internal Storage, RAID 1/5	
No. of concurrent clients (200~400)/Size of SOB <200GB			
Purpose	Reference Value of Configuration		Qty
DB Server ①	CPU	Total 32-core, 2.4 GHz or above	1
	Memory	128 GB	
	Storage	External Storage, 4/8Gb optical fiber or 10Gb ISCSI, RAID 10	
Application Server ②	CPU	Total 32-core, 2.0 GHz or above	1
	Memory	64 GB	
	Storage	SAS Internal Storage, RAID 1/5	
No. of concurrent clients (400~800)/Size of SOB <500GB			
Purpose	Reference Value of Configuration		Qty
DB Server ①	CPU	Total 64-core, 2.4 GHz or above	1
	Memory	256 GB	
	Storage	External Storage, 4/8Gb optical fiber or 10Gb ISCSI, RAID 10	
Application Server ②	CPU	Total 32-core, 2.0 GHz or above	2
	Memory	64 GB	
	Storage	SAS Internal Storage, RAID 1/5	

Note: For Oracle DB platform with non-x86 architecture, please contact Kingdee to obtain configuration recommendations which has similar performance like this.

Note: DB servers here are indicates single instance DB.

①: Include SOB and Admin DB

②: Include application server and administration center

3.5.3 Client Configurations

Purpose	Reference Value of Configuration
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Client	CPU	Recommended: Dual-core, 2.0 GHz and above, x86 compatible processor
	Memory	Recommended: 4GB
	Storage	For each Kingdee Cloud site, at most 200MB local storage space is required to be used as the cache.

4. Others

4.1 Encrypted License Control

4.1.1 Application for Kingdee Cloud Encrypted License

The license control method of Kingdee Cloud is “Registered User”, users can use the product unique code to apply for a license file on Kingdee Cloud website (<https://cloud.kingdee.com>), after the customer ID and the purchase contract are confirmed on Kingdee Cloud Enterprise Platform, an official license file will be generated for the customer. When the license file is acquired, the customer can import it into the system and register a user in an synchronization manner. This process can ensure a more confidential and safety system.

4.1.2 Kingdee Cloud License Control Rules

The license of Kingdee Cloud (Official Version) adopts user control rules, also provides global feature controls of multi-org. and multilingual.

Kingdee Cloud (Demo Version) controls by the quantity of key business docs. If the user is not registered or the quantity is out of control, all the sub systems cannot be entered.

The temporary license of Kingdee Cloud can be controlled in the condition that the number of registered users is 10 and the operating period is 30 days.

4.1.3 Notes

The unique product code is required, which can be viewed in the administration center.

Kingdee Cloud requires that the current server time should not be earlier than the start time of the license file; otherwise, the license cannot be used.

4.2 Special Notes of Encrypted License Control Policies

Control rules of demo version:

- 1、 The number of key business docs is controlled within 100; primary data of master data is controlled within 100, except material is controlled within 500.
- 2、 BOS Running Platform: The quantity of customized doc runtime is controlled within 100.

4.3 Patent Certification

Adhering to "Continuous Innovation" spirit, Kingdee has series of innovations during the development process: 95 patents have been obtained. Patents involves multiple professional fields, including business innovations and technological innovations. Such as: "One Method of Bookkeeping with More Than One Parallel SOB", "One Common Filter Device of ERP System", "A Method to Dynamically Realize Flexfield in ERP" and "A Calculation Scheme on XML-based Report Server".

4.4 Approaches to Get Supports

If there are any problems on using, you can get online supports through Kingdee's online forum, online service and comments leaving on product homepage, or consult/feedback to technical support department of Kingdee local branches or of Kingdee HQ.

You can also experience the latest features of Kingdee Cloud on product homepage, or login Kingdee's website: <http://www.kingdee.com> to know about the contacts of each branches of Kingdee and the latest product news.