ENHANCE

Microsoft Dynamics NAV

4.0 to 5.0 Feature Enhancements

Microsoft Dynamics™ NAV 4.0 to Microsoft Dynamics NAV 5.0

The following document describes the enhancements to the 4.0 version that are included in the 5.0 version of Microsoft Dynamics NAV. The enhancements are categorized by granule ID. This will aid partners in the upgrade process when showing customers the new features added to granules they have already purchased.

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Microsoft Dynamics

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General Ledger

3010 Basic General Ledger

SMTP – Simple Mail Transfer Protocol

This feature has been added to support the SendMail operation from the Microsoft Dynamics™ NAV Service. It supports the native operating system method to manage SendMail from Microsoft Dynamics NAV.

Online Map

This feature demonstrates how Microsoft Dynamics NAV can integrate with other Microsoft products, for example, Microsoft® MapPoint. The online map functionality shows a location on a map and also enables you to get directions from one location to another. Through integration with an online map, we empower the user by offering extended address features with Microsoft Dynamics NAV.

Document Approval

This feature introduces an approval process for sales and purchase documents which includes:

- Ability to approve and reject documents with comments
- Ability to delegate approval to another
- SMTP mail notification to approvers and overdue-approval notifications

Prepayments

Prepayments allow the user to create one or more prepayment invoices based on a sales or purchase order. The prepayment can be either a set amount or a percentage of the total invoice. The system keeps track of created prepayment invoices until the order is fully invoiced.

Integration with Microsoft® Office

This new functionality consists of two features:

- Export Using Office XML – A generic solution that allows the user to export data from any form in Microsoft Dynamics NAV using the new Office XML format. Additional style sheets can be defined by the partner or customer.
- Record Links - A generic solution that allows the user to add links to documents to any record in Microsoft Dynamics NAV. The documents can be stored in SharePoint or on a fileserver.

Rapid Implementation Methodology (RIM)

Rapid Implementation Methodology (RIM) is primarily designed for new customers, but it can also be useful to an existing customer who is adding modules to their installation. RIM reduces the implementation workload by streamlining the repetitive tasks any implementation requires.

RIM contains the following components:

Industry-Specific Information

- Implementation Questionnaire
    - The Implementation Questionnaire is a collection of industry-specific questions and suggested answers to update the contents of Microsoft Dynamics NAV setup tables

(for example, tables 79, 98, 311, 312, 313, and so on.) The questionnaire guides the user and the implementation consultant through the Microsoft Dynamics NAV setup requirements from a business perspective, to insure that the setup reflects the customer's business rules.

  - The Implementation Questionnaire (in XML or Excel format) serves as a valuable and understandable documentation of the setup decisions.

- Setup Data
  - RIM contains standard, industry-specific setup data that has been created by industry specialists with experience from many implementation projects. Reusing common data saves implementation time and makes a more industry-specific setup possible.
- Master Data Templates
  - To optimally use Microsoft Dynamics NAV, you need valid information in the master data records. RIM includes industry-specific master data templates.
  - RIM contains five versions of predefined templates for each predefined master data type: Contacts, Customers, Vendors, and Items.
  - Master data templates can also be used in daily operations. If the functionality is implemented, you only have to enter, for example, the item description (the program provides the item number automatically – depending on the setup) and then apply the appropriate template; and the mandatory fields are correctly copied from the template to the actual master data record.
  - Partners can easily apply the master data template functionality to any master data table in Microsoft Dynamics NAV.

Batch Creation of Journal Lines

- The Batch Creation of Journal Lines functionality allows you to create a number of journal lines with predefined information, so the user only has to enter a few pieces of missing information (for example, amounts).

Predefined User Permissions (covers only the Microsoft Dynamics NAV core solution)

- The predefined Microsoft Dynamics NAV user permissions cover the permission necessary to carry out work for seven archetypes of users in Microsoft Dynamics NAV.
- The selected archetypes are:
  - Production Manager
  - Shipping & Receiving Clerk
  - Order Entry Clerk
  - Purchasing Agent
  - Accountant
  - Accounts Receivables Clerk
  - Accounts Payable Clerk

Payment Terms Translation

Payment terms and shipment methods have been enhanced so that the customer can now define translations for payment terms and shipment methods. For customers with Multilanguage, this means they can ensure that the shipment method and payment terms on an invoice will appear in the correct language.

3070 Basic XBRL

The XBRL functionality has been updated to enable specification 2.1 reporting. In addition, the following improvements were made:

- Update of the XBRL whitepaper
- Annotations to each taxonomy are now versioned
- Comments on each taxonomy are now versioned

3090 Intercompany Postings

Intercompany Purchase Cost Distribution

Intercompany Postings has been enhanced with functionality for distribution of purchase invoice costs to partner companies.

It is not unusual within the mid-market for holding companies to be formed to create a greater synergy amongst like companies. These holding companies consolidate accounts receivable (A/R) and accounts payable (A/P) processes across the organization resulting in savings in overall costs. Bills received from vendors are distributed for all subsidiaries across the organization.

Secondly, spokes within the Hub'n Spoke structure are invoiced by vendors and recorded costs need to be spread across the organization.

3810 Job Queue

The Job Queue replaces the Job Scheduler (from the Service Module). The functionality has been enhanced, so it is now possible to setup jobs for both code units and batch jobs, as well as for areas outside the Service Module. For instance, Outlook Integration uses the job queue when requesting synchronization.

A job can be a one-time request or it can be set up as a recurring job at a specified interval. When jobs are created, the application server monitors the Job Queue and runs the entries in a prioritized order.

5010 Bank Account Management

Void Check

The granule has been updated to allow the user to void checks from the Check Ledger Entries window. The user can choose whether to unapply the underlying bank ledger entry and the corresponding general ledger (G/L) entries or just reverse the entries. The user can select a specific posting date for the voiding.

Sales and Receivables

3260 Basic Receivables

Payment Terms Translation

An enhancement has been made so that the customer can now define translations for payment terms and shipment methods. For customers with Multilanguage, this means that the data on an invoice will appear in the correct language.

3280 Sales Order Management

Prepayments

Prepayments allow the user to create one or more prepayment invoices based on a sales order. The prepayment can be either a set amount or a percentage of the total invoice. The system keeps track of created prepayment invoices until the order is fully invoiced.

3350 Sales Return Order Management

Costing

This granule was affected by the enhancements to the Costing functionality. See the description of the costing functionality in the Basic Inventory granule.

Purchases and Payables

3510 Basic Payables

Payment Terms Translation

An enhancement has been made so that the customer can now define translations for payment terms and shipment methods. For customers with Multilanguage functionality, this means that the data on an invoice will appear in the correct language.

3530 Purchase Order Management

Prepayments

Prepayments allow the user to create one or more prepayment invoices based on a purchase order. The prepayment can be either a set amount or a percentage of the total invoice. The system keeps track of created prepayment invoices until the order is fully invoiced.

3570 Purchase Return Order Management

Costing

This granule was affected by the enhancements to the Costing functionality. See the description of the costing functionality in the Basic Inventory granule.

Inventory

4010 Basic Inventory

Costing

The costing functionality has been redesigned and the improvements can be grouped in two categories:

- Improving UI designs of the existing costing framework
- Enhancing costing framework with better facilities for decision making

Features**:**

Costing Data Trustworthiness

- Cost update on the sales/customer statistics
- Inventory Period Closing feature
- Corrected principles behind cost adjustment batch job

Traceability

- Re-visited principles behind posting inventory value entries to G/L
- New reporting tool for G/L Inventory reconciliation
- New reporting tool for item value dynamics

Simplicity and Usability

- Improved cost reversal (returns) process-support
- Resilient costing-related batch jobs
- Possibility to un-do item entry application
- Simplified costing setup on the item card

New

- Periodic average costing method

Planning Transparency

From the "Untracked Quantity" field on the Order Tracking window, it is now possible to drill down to a form that lists the various supply lines that generate the untracked quantity.

Item Tracking

The Basic Inventory granule was affected by enhancements to the Item Tracking functionality, which is described in the following.

4140 Item Tracking

Item Tracking

The Item Tracking functionality has been enhanced as follows:

- New traceability feature (the Item Tracing window) allows the user to quickly identify where Lot or Serial numbers have been sold or bought. The Navigate window has also been enhanced.
- Enhancements of the Item Tracking assignments when selecting, allocating or counting them.
- A First Expired First Out (FEFO) criterion for the flow of goods has been implemented throughout the system.
- Several reports have been created or enhanced.

4640 Automated Data Capture System

The Automatic Data Capture System (ADCS) is used as a primary tracking system for movement of goods on the warehouse floor. This has been improved in version 5.0. The connection between the VT100 Plug-in handheld (a handheld device to scan bar codes on goods) and the Application Server for Microsoft Dynamics NAV has been simplified using TCP Sockets. This makes the feature more stable.

Jobs

4510 Jobs

The entire Jobs feature area has been redesigned and improved to provide a better foundation for partners. At the core of the new Jobs module lies the new budget structure made up of job task and planning lines. The task and planning lines now replace the phase, tasks and steps you might know from previous releases. Job task lines are now mandatory, meaning that at any point an itemized overview of the job can be viewed from the job task lines window.

In the new task lines window, you can drill down to view values generated by the underlying job planning lines. These planning lines are used to generate itemized sales invoices directly from the job.

Furthermore, the following improvements have been made:

- Handling of fixed price projects by separation of amounts into schedule (budget), usage and contract (sales), which can be selected in the job planning lines.
- Five new WIP calculations based on IAS standards have been added, which can be recalculated and reposted for part or all of a job.
- Better integration to item ledger and item tracking.
- Job-based pricing for items, resources and G/L accounts.
- Foreign currency functionality that gives users the option to plan in their local currency and bill in a customer's foreign currency or Plan and bill in a customer's foreign currency.
- Copy job functionality.
- Two new reports have been created.

Marketing and Sales

5195 Outlook Client Integration

The existing CRM solution has been strengthened by adding integration to Microsoft® Office Outlook®, with the following features:

- Default Synchronization Setup - Microsoft Dynamics NAV delivers an out-of-the-box synchronization schema for contacts, to-dos and appointments. Data can be synchronized bi-directionally or one-way.

- Synchronization Based on User Preferences - Outlook users can define custom filters for data to synchronize. The security context is controlled from the back end system.

- Synchronization with Custom forms - The default synchronization schema can be adjusted or new schemas can be created.

- Outlook Integration - supports synchronization with any Outlook object and any table entity in Microsoft Dynamics NAV.

- Disconnected Users - The Outlook client communicates directly with the server for Microsoft Dynamics NAV and no client for Microsoft Dynamics NAV is required.

Service

5911 Service Order Management

Service Order Handling

The design of the Service module has been aligned with the design of the other modules of the application. The following areas have been standardized and aligned with other areas of the application:

- Integration with item tracking, jobs and costing.
- Handling of inventory consumption for outbound service. Improvements have been made to: predefinition of consumption, handling of actual consumption (inventory) and how to determine what is to be invoiced to the customer and what is consumption.
- Posting of a service order (sales of spare parts and service order closing and invoicing) with the following shipping options: ship, consume, invoice, and ship and invoice.

Business Analytics

7020 Business Analytics – Basic

Business Analytics has been updated as follows:

- A new version of BA Basic
  - Runs on SQL 2000 and SQL 2005
- A new version of BA Advanced
  - Runs on SQL 2000 and SQL 2005
- Filters that allow customers with large volumes of data to run on subsets of data. Filtering can be done on any of the dimensions used in a cube:
  - A date/time interval
  - A set of accounts

    - A set of customers

- Calculations between virtual cubes that allow for cross-cube calculations to be handled by BA Basic. Given a cube with actual sales and budgeted sales, Business Analytics can calculate budget deviations, forecasts, and deviations between them.
- Multiple active configurations that allow us to have configurations that need to be updated with different frequencies. Budgets tend to change less frequently than actual sales
- Support for Instances of SQL Server and Analysis Services that allows for more complex server topologies at customers and maybe even hosted scenarios
- *Freehand MDX* with multidimensional eXpressions (MDX). MDX is the query and calculation language of Analysis Services that allows for very complex calculations to be stored in cubes created by BA for
    - Calculating Commission
    - KPIs for Scorecards or Dashboards
    - Calculations across multiple dimensions where navigating multidimensional data is key

Discontinued Functionality

5200 Smart Tags

This granule has been removed.

6210, 6220 Commerce Portal

The Commerce Portal granules have been removed.

Company Notes

The Company Notes feature has been discontinued.

Microsoft Dynamics is a line of integrated, adaptable business management solutions that enables you and your people to make business decisions with greater confidence. Microsoft Dynamics works like and with familiar Microsoft software, automating and streamlining financial, customer relationship and supply chain processes in a way that helps you drive business success.

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