Newsletter

Microsoft Dynamics C5 2012
Service pack 2

June 2014

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Newsletter

Microsoft Dynamics C5

General

Automatic update of currency exchange rates from Nationalbanken
In May 2014, the National bank of Denmark changed the address of the homepage where it publishes daily currency exchange rates. This change affected the automatic update of currency rates in C5 that stopped functioning.

In order to facilitate the future maintenance of the functionality in Microsoft Dynamics C5 2012 the automatic update of currency rates is now using the general XML module and an XML Schema that is based on the National bank's XML file structure. Any possible future changes in the file structure will no longer require a traditional Hotfix, but only a new Schema. The new solution is developed using XAC functionality.

The database upgrade script included in the version 4.4.02.000 imports the new XML schema and the corresponding mapping to the XML module **General/Table/XML/XML schema** and sets up the new URL for the National bank's homepage in the **Update of exchange rates** screen **(General/Table/Currency** local menu **Import exch. rates)**.

NB: If for some reason the automatic setup fails, the mapping can be imported manually by using the local menu **Import mapping** in the **XML Schema** screen. The mapping file is placed in the program folder Country/DK and is named **WebCurrency.c5m**. The new schema file is placed in the folder XSDCache and is named **CurrencyRatesXML.xsd.** After the import of the mapping file has been completed, the new schema file must be specified in the field **URL/path and file.**

E-mail
A new local menu **E-mail** is introduced in the **Reports** screen **(General/Table/Document management/Reports).** The menu contains the following sub menus: **Address and subject, E-mail text** and **Copy text**.

Address and subject: This menu is used to select the fields/bookmarks from a particular report that must be used to dynamically retrieve information about the recipient and the subject whenever the report is printed to e-mail.
If the field **Exclude company name** is set to No (unchecked) the email subject will start with the Company name. **Pos. 2** and **Pos. 3** are optional fields. These fields can e.g. for an invoice report be set up to FormText and FormNumber respectively, in which case the email subject will be composed as in the following example: Demo Company Invoice 20134.

E-mail text: This menu is used to define default e-mail body texts for a particular report. The texts can be defined for each language code used in C5. When the report is printed to e-mail the body text will follow the report's language.

Copy text: This menu is used to copy the defined default body texts from a particular report to another report.

The existing e-mail parameters functionality that is a part of Print options is preserved unchanged and is used along with the new functionality. In case a specification of a recipient, a subject and a text for a particular report exists both in the Document management module and as Print options parameters, the e-mail's recipient, subject and text will be a combination of both setups (the Print options' setup followed by that existing in the Document management).
To avoid unnecessary overlaps it is recommended to use one setup at a time.

Report field tags
The changes made in the kernel make it possible to define field tags for all text fields in a report. This feature eliminates the necessity for the language specific MS Word templates as all texts can be retrieved directly from the report. A set of MS Word templates without language specification is supplied with this service pack.

The new text field tags have been defined using the following syntax TXT_<field name>. The list of report tags can be printed using local menu **Report tags** in the **General/Table/Document management/Reports** screen.

The existing language specific MS Word templates can still be used along with the new templates.

To be able to use the new templates, they must be linked to an appropriate report using local menu **Templates** in the **General/Table/Document management/Document types** screen. The new templates do not contain language specification in the file name, but they must still be selected for each language in the template setup screen.

The language specific MS Word templates have also been updated in order to meet the requests from users: **Order/ReferenceNumber** (Reference requisition number) is added to several reports/templates as well as **item number** is added to quotations and confirmations.

Omission of element name in file names when printing to MS Office
It is now possible to specify whether the element's/report's name should be included in file names when printing to MS Office or using XML. If the field **Omit doc. name** in the **File name** screen **(General/Table/Actions/File name** or **General/Table/Document management/Reports/File name)** is set to Yes (checked) the element's system name will not be used when composing file names.

Printer selection for printing to MS Word and MS Word Pdf
In previous versions of C5, all MS documents were automatically printed to a printer that was set up as the default printer in the operating system. With this service pack, it is possible to select a particular printer to be used when printing a particular report to MS Word. The printer setup is performed in the **Action list** screen **(Customer/Vendor /Setup/Action lists/Standard** and/or **Customer/Vendor /Table/Setup/Action list).** To define a printer click on the printer icon, select **MS Word** or **MS Word Pdf** as **User printer** and then select any installed printer to be used by MS Word in the field **Printer**.
The same functionality exists in the batch printout prompt if a user printer option has been selected.

Action list – batch updates (e.g. Batch invoicing)
It is now possible to disable selected actions when running batch updates. If an action (e.g. physical printout) must be disabled during batch update of a particular document type, the new field **Disable** must be marked for this action in the **Action list** screen.

SQL maintenance
New sub menu **Microsoft SQL Server** is added to **General/Setup/Administration/Database**. The menu loads the c5menu.mss file.

General ledger

Cash report
The cash report that is printed from general journals has been modified so that it does not output the currency columns if only the domestic currency has been used in a particular general journal.

Intrastat
New field **Excl. Intrastat** is added to the **Sales order** and **Project** tables in order to be able to suppress Intrastat reporting in case of triangular trade. If an order should be excluded from Intrastat reporting this field must be marked manually.

Customer/Vendor

Customer entries from Interest journal
New menu item **Entries** in Interest journal calls the Customer entries screen.

Create project
New menu item **Create project** in Customer table makes it possible to create projects directly from the Customer table.

Exchange rate adjustment
The exchange rate adjustment functionality **(Customer/Vendor /Periodic/Exchange rate adjustment)** is extended with a report that shows the resulting adjustment entries.

Credit max check – Max balance
New customer and vendor parameter **Credit max check. (Customer/Vendor /Setup/Parameters).** The new parameter defines the system behavior when the credit limit (Highest balance) is exceeded in connection with printing a quotation, confirmations, updating packing slips or invoicing. The parameter can be set to **Warning** or **Cancel.**
Warning gives opportunity to decide whether to proceed with or to cancel the printout/update in every particular case whereas **Cancel** automatically cancels all printouts/updates if the credit limit is exceeded.

When updating packing slips the system will also check whether the shipment's value is within the defined credit limit,

Balance lists
The changes in balance lists that were introduced in Service Pack 1 provoked much user feedback as to whether the report's date should be included in the report's first column with balance. In order to avoid misinterpretations the first column with balance is now defined as 0-n days when printing a normal balance list, while all intervals are defined by using real dates when printing balances that are due date allocated.

E.g., when printing a normal balance list and using 7 days as range – the first column in the report will be defined as 0-7 days and therefore include the report's date. The first period will also be 1 day longer than the periods for other columns.

Note, that this change also affects the external account statements, interest notes and payment overviews.
The first period for balances in the Customer and vendor tables has also been redefined as 0-30 days.

OIOXML
The OIOXML functionality has been removed as this format is no longer officially supported.
The following menus are removed: **Customer/Setup/Parameters/OIOXML** and **Customer/Table/Invoice / Document Journal/Create OIOXML file.** The field **OIOXML** is removed from the Customer table.

Inventory status
The inventory status values **Financial** and **Physical** are now presented as **Invoice** and **Packing slip** respectively.

Vendor – Payment methods
Numeric values in the field **Text no.** in the Payment methods screen **(Vendor/Setup/Payment methods)** refer to the texts that are maintained in **Vendor/Setup/Texts**. However, the texts corresponding to the numeric values that were inserted by default for the standard payment modes did not exist in the text table and thus were not used.

The upgrade script included in this Service Pack creates these texts in the text table and thus enables their use. Furthermore, the upgrade script resets the default values of the Text no. field for the standard payment methods, why it is recommended to review the values of Text no. field for all payments methods after the upgrade.

Inventory

Item tracking and notes
When changing an inventory location in the item tracking table for an item record with the attached notes, the notes are not moved together with the item record.
New local menu **Show historical notes** is now added in the Item tracking screen. By using this menu, it is possible to view all notes that are associated with the item record across different inventory locations.

Item texts
It is no longer possible to define item texts for Standard language **(Inventory/Table/Item texts)** as standard language now follows the company language.

The upgrade script included in this Service Pack exports all texts with language code 0 (i.e. Standard) if any and copies the corresponding text in the company language to standard language.

The file with the exported item texts is placed in the C5 installation folder and named "Varetekster_Standardsprog.csv" (UK: "ItemTexts_StandardLanguage.csv"). After the upgrade, the exported item texts can, if necessary, be imported into another language.

Calculate BOM prices
It is now possible to calculate both Sales and Cost prices simultaneously (**Inventory/Periodic/BOMs/Calculate prices**)

Service items and item groups with Inventory inflow accounts of Balance type
When creating a new Service item in the Inventory table and selecting an item group where the Inventory inflow account is of the Balance type, the following warning is now shown to the user:
"The item group has a balance account specified for inventory inflow. It's recommended to use a Profit/Loss account, as inventory inflow account for Services and to use a separate item group for services".

Inventory status report
The report has been split into two separate reports: **Inven. status** that shows the inventory status by a date for conventional inventory items and **Services** that shows the inventory value by date for the Service items.

The Inventory status report is extended with an extra value column **Variance** that is calculated for items using the inventory model Cost Price and shows the sum of cost price variances that can be used for reconciliation with the item group's Profit/Loss accounts.

Sales/Purchase/Project

Negative price/amount on sales/purchase/project lines and journal lines
It is no longer permitted to specify a negative price on sales/purchase/project lines and on sales/purchase/project journal lines as this leads to the corruption of data in the inventory module.

Changing Customer/Vendor for a sales order/purchase order or project
The log functionality in the sales, purchase and project modules has been modified in order to preserve the sales order's/purchase order's/project's entire log history even if the order's/purchase order's/project's customer/vendor account has been changed.

Pick list
New internal document Pick list can now be printed from sales orders and projects. The report can be printed when an order is ready to be processed by the warehouse staff; it is also possible to specify an instruction.
Note that this report is not saved in archives.

Crediting Service items
The warning "Check line cost price, since this will be used for crediting" is no longer shown for Service items.

Create purchase/Create sales order
The existing functionality has been improved so that it is possible to access the newly created purchase/sales order directly from where it was created. It is also possible to copy line notes if any.
These changes are implemented in **Sales/Table/Create purchase**, **Project/Table/Create purchase** and **Purchase/Table/Create sales order**.

New invoice parameter XML Invoice=printed
New customer invoice parameter **XML Invoice=printed** in **Customer/Setup/Parameters/Invoice**.
If the parameter is set to Yes (Checked) the field **Printed** in the Customer Invoice journal will automatically be set to Yes (Checked) if the action list used when updating a document has generated an OIOUBL XML file and disregarding whether the corresponding report also was printed during the same update.
Note that this parameter is valid for all documents that can be used with the OIOUBL functionality.

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Project

Project totals
New local menu **Project totals** is added in the project lines screen.
This menu shows the same project overview as on the projects Statistics page tab.

Entries
The menu **Entries** has been moved back to the first level due to multiple user requests.

Create purchase
New local menu **Create purchase** in the project table.
It is now possible to create purchase orders directly from a project. When creating a purchase order it is possible to specify whether the purchase lines must use the project's number as well as to select another Cost type for use with the purchase lines as the project lines' cost type is used by default

Copy project
When copying an archived project, e.g. in connection with a credit note, and the project being copied contained lines that were created by copying project entries, the newly copied lines were still marked as copied. Invoicing the lines marked as copied does not generate any inventory movements, why crediting such a line will not generate a new inventory inflow and reverse the item consumption.

The prompt shown when copying projects is now extended with the following new options:
Remove the 'Copied' marking that makes it possible to reset the copied marking on the copied lines and thus to invoice them as normal lines
Copy project notes that makes it possible to copy notes from the project's header
Copy line notes that makes it possible to copy line notes

Project card reports
All project card reports can now be printed with every project on a new page.

Work In Progress report
New field **CM Invoiced** is added to the report

Invoicing/PL Posting
The PL posting dialog that normally is shown when invoicing a project using the following invoice options: On account + P/L post, On account + P/L post + Normal and Closing invoice; is now only shown if there exist amounts that are not P/L posted 100%.

Overall changes in the Project module

Posting of costs

Purchase
Purchase packing slips with a project number are now posted in the project module and the generated project costs can thus be invoiced immediately. The invoice update of the purchase lines will only generate project entries if the quantity being updated on the purchase invoice is greater than that updated with the packing slip. E.g. a purchase line with 10 pcs. of an item is updated as follows: 2 pcs. are updated on a packing slip and later all 10 pcs. are updated on an invoice. As the result, two entries will be created in the project module 2 pcs. and 8 pcs.

Cost and sales prices are calculated as shown in the table below:

Cost price	Sales price	Project factor	Extra % from cost type

Is the same as the purchase line's price. If an item number is specified the cost price is increased by the Misc. charges from the item's card, if any, and/or the Misc. charges specified on the purchase line (e.g. Freight), if any.	Is retrieved from the project's price group. If the project does not have any price group or if no item number is specified – the sales price is the same as the cost price	Not used	The sales price is increased by the Extra %

General journals

It is no longer possible to specify a project on journal lines of Customer type.
The quantity on the resulting project entry will now always follow the sign of the line's amount, and will be set to +1/-1 if no quantity is specified on a journal line.
Cost and sales prices are calculated as shown in the table below:

Cost price	Sales price	Project factor	Extra % from cost type
Is the same as the line's amount in domestic currency	Is the same as the cost price	Not used	The sales price is increased by the Extra %

Project journal

All amounts that will be posted from a project journal are calculated directly in the journal and can be edited by users, the cost price amount being the only exception as it is in some cases recalculated when posting a line.

The calculation of the amounts depends on whether a line is a pure project cost or involves registration in the Payroll module.

Pure project costs

I.e. lines with conventional item numbers, with Service item numbers or without item numbers and without specification of an employee, a Payroll cost type and a project factor.

Cost price	Sales price	Project factor	Rate (Payroll)	Extra % from cost type
For lines with item numbers is retrieved from the item's card. For lines without item number is the same as the sales price, but can be edited	Is retrieved from the project's/line's price group. If the project/line does not have any price group or if no item number is specified – the sales price is the same as the cost price	Not used	Not used	The sales price for lines with item numbers is increased by the Extra %

Project costs transferred to Payroll

I.e. lines with Service items or without item number and where there is a specification of an employee, Payroll cost type and project factor.

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Note that it is no longer possible to specify a Payroll cost type and a project factor for lines with conventional item numbers.

Cost price	Sales price	Project factor	Rate (Payroll)	Extra % from cost type
Is set to the Payroll rate and adjusted by the project factor (ProCost)	Is retrieved from the project's/line's price group. If the project/line does not have any price group or if no item number is specified – the sales price is the same as the cost price	Affects the cost price	Defines the cost price	The sales price is increased by the Extra %

Project lines

Copy project entries

New functionality:
- Possibility to calculate combined prices/discounts when copying entries. New option **Discount method** that can be Per entry (i.e. the prices/discounts are only based on a single entry's quantity) or Per item number (i.e. the prices/discounts are based on the total quantity of all entries with the same item number)
- **Discount date** – previously the system date was used by default, it is now possible to specify a different date
- The cost prices of the copied entries are summed up in the line's cost price.
- Copying the entries establishes a link between the copied entries and the line they are copied into, so that it is at any time possible to see which project entries are included in a particular line (New menu **References**)
- Possibility to see inventory entries that are related to the copied lines.

Price editing

- It is no longer possible to edit Price/Discount/Discount amount and Amount directly on the copied lines without item number (i.e. lines copied using Cost type/CT group/One line methods), if they contain more than 1 project entry.
- Deliver now on such lines can no longer be edited. Only the entire quantity can be invoiced as such lines can contain multiple different project entries and it is impossible to determine which entry is to be invoiced in case of partial updates

In order to facilitate price editing for copied lines without item number (i.e. lines copied using Cost type/CT group/One line methods) a new local menu **Edit price** has been introduced in the project lines screen.

The menu calls the new form that functions as follows:

The screen visualizes the calculation of the line's price.

The screen consists of 2 blocks: the upper block shows the amount fields for the current project line (the amount fields comprise Price, Discount, Discount amount and Amount), these amount fields are updated automatically whenever any of the amount fields in the entire screen has been modified. The lower block shows the project entries that are included in the upper block's line.

Whenever any of the amount fields is edited in the lower block – the amount fields in the upper block are updated automatically. Note that the discount fields are reset in the upper block when making changes in the lower block.

The screen contains three menus: **Allocation**, **Check price/disc.** and **Reload the price**

Check price/disc. and **Reload the price** perform differently depending on which block they are activated from. When called from the upper block – the selected action will affect ALL lines in the lower block; when called from the lower block – the selected action will only affect the active line in the lower block.

- **Check price/disc.** – checks price and/or discount agreements according to the criteria selected in the prompt.
- **Reload the price** – reloads the original sales price from the project entry (Note that when checking price/discount and the **Retr. Unit price** option has not been selected, the original sales price from the project entries will be loaded automatically)
- **Allocation** – this menu can only be called from the upper block and only if one or more of the amount fields in the upper block have been modified by user. It is possible to allocate the upper block's Amount to the lower block's entries using 3 different methods: Equally, Quantity, Amount. Note that while it is possible to edit all amount fields in the upper block only Amount field is used for allocation.

Invoicing

When invoicing the copied project entries with item number all related inventory entries will be updated with the new sales price (ex. VAT). The Entry type on the related inventory entries will change from Project to Item sale in order to make it possible to include these inventory entries into item sales statistics.

Note that if the same project entry has been invoiced multiple times (i.e. copied multiple times) the sales amount on the related inventory entry will be adjusted upon every invoicing. The inventory entry's sales amount will thus be a sum of all invoiced amounts. Line discount is also recalculated upon every invoicing. The cost price is not affected by invoicing.

The cost price on the project invoice entry is now also set when invoicing the copied entries. Note that if the same project cost entry has been invoiced multiple times (i.e. copied multiple times) the cost price of all consecutive project invoice entries will be zero.

Project entries

There are now established precise links between project invoice entries, project cost entries and the related inventory entries
New menus in the Project entries screen:
- **References this** menu shows the project entry's invoicing history. When called from a project invoice entry – it shows which costs that are included in the invoice line. When called from a project cost entry – it shows which invoice(s) the entry has been invoiced on.
- **Entries** this menu shows which inventory entries have been invoiced for a project invoice entry and which inventory entry is related to a project cost entry.

Cost price adjustments

In case the cost price of a project related inventory entry has changed and has been adjusted by the system – the corresponding project entry's cost price will be adjusted automatically directly on the original project cost entry (previously a separate project entry was created for every adjustment)

If the project cost entry being adjusted has been invoiced the related project invoice entry's cost price will be updated accordingly. Note that in case a project cost entry has been invoiced multiple times, it is only the very first project invoice entry's cost price that will be adjusted.

History

In case a cost price adjustment has triggered PL posting – the PL posting history will still feature a separate transaction for every adjustment.

New menu item **Cost price history** shows the history of a project entry's cost price adjustments disregarding whether these have been PL posted or not.
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OIOUBL

Reminder
Payment ID is now generated automatically when using the FIK payment method

XML Attachments
It is now possible to embed certain types of files in the OIOUBL files.

The documents/files can be embedded into AdditionalDocumentReference element that exists in all OIOUBL files. Note that the functionality requires the new mapping provided with this Service Pack (see Installation guide)

The functionality can be used as follows:

1) In an action list a report can be marked as **XML attachment**. When marked as XML attachment the PDF file generated by the report will automatically be embedded in the OIOUBL file that is generated by the corresponding XML action
   Pre-conditions:

   a. The report action must be executed prior to the corresponding XML action.
      Note that the report's document type will be used as the description of the embedded document in the XML file.
   b. The report must be printed to MS Word PDF

2) XML Attachments can be also specified manually in the document management screen. Use (Ctrl+N) in the sales order/purchase order/project screen BEFORE updating the order. In the document management screen use the menu **New** and the new document type **XML Attachment** to specify which documents must be embedded in the XML document that will be generated upon next order update. Note that the text from the document management line will be used as the description of the embedded document in the XML file.

All XML Attachments must have an ID to be used in XML files. New number series **XML attachment** is created automatically in order to be able to dynamically assign ID numbers for every new XML attachment.

In case the new number series does not exist or is exceed – all updates involving XML Attachments will be automatically cancelled by the system.

Currently only the following file types are supported as XML Attachments: tiff, tif, png, jpg, jpeg, gif, pdf and XML.

The XML Attachments that are specified manually in the document management screen can only be used once. As soon as an XML file with these attachments is created the attachments are removed from the document management overview screen and become a part of the generated XML file. It is still possible to view which attachments that are embedded in a particular XML document by using new menu **XML Attachment** in the document management screen. This menu can be activated from a line with an XML document and shows all XML attachments that the XML document contains.

To reuse previously used XML Attachments – they must be created again or copied back to the document management overview from previously generated XML files by using menu **Copy** in the XML Attachment screen.

Reprint of already updated documents from e.g. archives and invoice journal will automatically reuse the XML attachments included in the original XML file, but only those specified manually in the document management. Automatic XML attachments from action lists will be created again with every reprint.

Import of OIOUBL files with XML Attachments

If an XML file that is intended for import contains XML Attachments it can be seen in the new field **XML Attachment** in the XML inbox screen.
To see which files are embedded in a received XML file – in the XML Inbox screen use document management (Ctrl+N) and the menu XML Attachment.

The attachments from the incoming XML files can only be opened after they have been saved. The system automatically adds '**_notSaved**' to file names in the Save as dialog for new attachments in order to avoid possible coincidence with the already existing file names and to encourage users to change the file name.

After an XML file with attachments has been accepted and imported into a sales or a purchase order – the XML file and the attachments can be accessed directly from the sales or purchase order by using the document management shortcut.

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