

# SAP Business One 9.3

Top *ReSolutions*

Customer

The SAP logo is located in the bottom left corner of the image. It consists of the letters 'SAP' in a bold, white, sans-serif font, set against a blue rectangular background that tapers to the right.



# Important Corrections Delivered in Patches

## SAP Business One 9.3

This presentation provides an overview of the most important corrections, also known as Top *ReSolutions*, which are delivered in patches. A selection of the corrections is presented in more detail.

For a complete overview of the corrections delivered in a specific patch, refer to the overview note.

For all changes made in the DI API interface between patches of SAP Business One version 9.3 - refer to SAP Note [2584704](#).

SAP Business One Sales Mobile App for iOS and Android - Troubleshooting and Compatibility Information – SAP Note [2267084](#).

For all enhancements in SAP Business One 9.3 please review the [Highlights](#) document.

# SAP Business One 9.3 PL02

## SAP Business One 9.3 PL02 – Overview Note [2547115](#)

## SAP Business One 9.3, version for SAP HANA PL02 – Overview Note [2547132](#)

Relevant Country	Type		Details
All	DRQ	<a href="#">Status on Production Order / Check for remaining Resource / Item commitments with Completed line Status</a>	SAP Note <a href="#">2547427</a>
All	DRQ	<a href="#">Run the Routing Date Calculation from a specific row via right-click</a>	SAP Note <a href="#">2540739</a>
All	DRQ	<a href="#">Inventory Posting List Added as a Right-Click Option on Production Order</a>	SAP Note <a href="#">2541298</a>
All	DRQ	<a href="#">Bill of Material – Component Management Supporting Routing</a> <a href="#">Bill of Material – Component Management Supporting Change BOM Header</a>	SAP Note <a href="#">2547484</a>
All	DRQ	<a href="#">Enable Referenced Document functionality on Production Order – Summary Tab</a>	SAP Note <a href="#">2547531</a>
All	DRQ	<a href="#">Variance Report added for Production Order</a>	SAP Note <a href="#">2557963</a>
All	DRQ	<a href="#">Search Function used to search windows under the Tools menu option</a>	SAP Note <a href="#">2553836</a>
All	DRQ	<a href="#">Clearing Search Content with One Click When the Fiori-Style Cockpit Is Enabled</a>	 SAP Note <a href="#">2553852</a>
All	DRQ	<a href="#">User Defined Field extension</a>	SAP Note <a href="#">2587289</a>


## SAP Business One 9.3 PL02 – Overview Note [2547115](#)

## SAP Business One 9.3, version for SAP HANA PL02 – Overview Note [2547132](#)

Relevant Country	Type		Details
All	DRQ	New Context Menu Options for generating Payments and Journal Entries from the Bank Statement Details Window	SAP Note <a href="#">2553760</a>
All	Important correction	Copy Line Details from External Bank Statement	SAP Note <a href="#">2559687</a>
All	Important correction	Enforce setting to mask Credit Card numbers after upgrading database	SAP Note <a href="#">2565442</a>
All	Important Correction	Validation process is skipped when adding a duplicate Bill of Materials	SAP Note <a href="#">2553885</a>
All	Important Correction	FMS in Production Order is Not Triggered Automatically for Components	SAP Note <a href="#">2567098</a>
All	Important Correction	FMS in Bill of Materials Causes Source Fields to Keep Original Value	SAP Note <a href="#">2566931</a>
All	Important Correction	Incorrect Base Ratio and Component Planned Quantity in Production Order	SAP Note <a href="#">2561828</a>
All	Important Correction	Duplicate Row Option Is Missing on Production Order	SAP Note <a href="#">2559881</a>
All	Important correction	Support adding Query Authorization Groups In Query Categories Management	SAP Note <a href="#">2581908</a>

## SAP Business One 9.3 PL02 – Overview Note [2547115](#)

## SAP Business One 9.3, version for SAP HANA PL02 – Overview Note [2547132](#)

Relevant Country	Type		Details
All	Important correction	Support Query groups assignment In Query Categories Management	SAP Note <a href="#">2581880</a>
All	Important correction	Support User Group Selection In Alert Management Form	SAP Note <a href="#">2572812</a>
All	Important correction	Generate Data Transfer Workbench Templates Without MS Excel	SAP Note <a href="#">2553305</a>
All	Important correction	Copy the Authorizations of Crystal Reports and Dashboards for Users or User Groups	SAP Note <a href="#">2547129</a>
All	SDK	<a href="#">Expose Semantic Layer as an OData Service</a>	 SAP Note <a href="#">2538519</a>
All	SDK	<a href="#">Using Extension Package Tool in Command Line Mode</a>	SAP Note <a href="#">2582447</a>
All	SDK	DI API Production Order Routing Date Calculation - 'Update Now' Can Be Run via DI API	SAP Note <a href="#">2559879</a>
All	SDK	Internal Reconciliation is exposed in DI API and Service Layer	SAP Note <a href="#">2586911</a>
US	SDK	SDK Availability for Tax Service	SAP Note <a href="#">2549087</a>

# Production Routing (1/3)



Production Order
— □ ×

Type:

Status:

Product No.:

Product Description:

Planned Quantity:  UoM Name:

Warehouse:

Priority:

Routing Date Calculation:

No.:

Order Date:

Start Date:

Due Date:

User:

Origin:

Sales Order:

Customer:

Distr. Rule:

Project:

Components
Summary

#	Type	No.	Description	Planned Qty	Issued	Available	Issue Method	Status	Production Time
1	Route Stage	Assembly	Assembly					Planned	
2	Item	P10001	PC - P4 2.4G, DDR 512M, 400G HD	1	0	-39	Backflush	Planned	
3	Item	A00003	J.B. Officeprint 1186	1	0	544	Backflush	Planned	
4	Item	L10001	Labour	1			Backflush	Complete	
5	Route Stage	Engraving	Engraving					Planned	0:00:01
6	Resource	R300007	Junior Technician	1	0	0	Backflush	In Progress	0:00:01
7	Route Stage	Quality	Quality Control					Complete	0:00:01
8	Resource	R300006	Senior Technician	1.000	0	0	Backflush	Planned	0:00:01
9	Item				0	0		Planned	

Remarks

System Message

Reduce "Planned Qty" to match "Issued Qty"?

Remember My Answer and Do Not Show This Message Again

## Feature

- A new *Status* column is added to *Production Order* to set a line status for *Route Stage*, *Item* or *Resource* to *Planned*, *In Progress* or *Complete*.
- The *Status* field is editable on all lines. The status of all component lines will be updated according to the status on the *Route Stage* line.
- When the line *Status* is changed to *Complete*, a check is performed across all line items and a system message appears asking the user to *Reduce Planned Qty* to match *Issued Qty*. The answer will be valid for all components.
- When a *Route Stage* is set to *Complete* it will not contribute any data to the algorithm which calculates the Routed Production Order Start Date Forwards/End Date Backwards behaviour

# Production Routing (2/3)



Production Order

Type: Standard, Status: Planned, Product No.: P10003, Product Description: PC Set 1, Planned Quantity: 1, Warehouse: 01, Priority: 100, Routing Date Calculation: Start Date Forwards

No. Primary 155, Order Date 12.12.17, Start Date 12.12.17, End Date 01.01.18, User: Jayson Butler, Manual

#	Type	No.	Description	Planned Qty	Issue	Production Time
1	Route Stage	Assembly	Assembly			
2	Item	P10001	PC - P4 2.4G, DDR 512M, 400G HD	1		
3	Item	A00003	J.B. Officeprint 1186	1		
4	Item	L10001	Labour	1		
5	Route Stage	Engraving	Engraving			0:00:01
6	Resource	R300007	Junior Technician	1		0:00:01
7	Route Stage	Quality	Quality Control			0:00:01
8	Resource	R300006	Senior Technician	1.000		0:00:01
9	Item					

Remarks

Update Cancel

Production Order

Recalculate and overwrite start and end dates from this stage onwards?

Yes No

Context Menu:

- Copy
- Copy Table
- Maximize/Restore Grid
- Duplicate
- Add Row
- Filter Table
- New Activity
- Related Activities
- View Pick Lists
- Recalculate Route Stage Dates
- Display Route Stages
- Display Items
- Display Resources
- Display Texts
- What's This?

## Feature

- A routed Production Order with the *Routing Date Calculation* set to *Start Date Forwards* or *Due Date Backwards*, provides a new right click option to *Recalculate Route Stage Dates*.
- A Yes/No message is displayed. If Yes is selected, the algorithm will only ripple forward or backwards from this line depending on the *Routing Date Calculation* setting.



# Production Routing (3/3)



Production Order

Type: Standard  
 Status: Released  
 Product No.: P10003  
 Product Description: PC Set 1  
 Planned Quantity: 1 UoM Name:   
 Warehouse: 01  
 Priority: 100  
 Routing Date Calculation: Start Date Forwards Update Now

No. Primary 155  
 Order Date 12.12.17  
 Start Date 12.12.17  
 Due Date 01.01.18  
 User Jayson Butler  
 Manual

#	Type	No.	Description	Planned Qty	Iss
1	Route Stage	Assembly	Assembly		
2	Item	P10001	PC - P4 2.4G, DDR 512M, 400G HD	1	
3	Item	A00003	J.B. Officeprint 1186	1	
4	Item	L10001	Labour	1	
5	Route Stage	Engraving	Engraving		
6	Resource	R300007	Junior Technician	1	
7	Route Stage	Quality	Quality Control		
8	Resource	R300006	Senior Technician	1	
9	Item				

Production Time

0:00:01  
 0:00:01  
 0:00:01  
 0:00:01

Inventory Posting List

OK Cancel

## Feature

- The Right Click option on the Production Order with status *Released* will show the option *Inventory Posting List*.
- This option is also available on the Resource Master Data window showing the inventory posting list for specific resources.

## Benefit

- Ability to view transactions for all item/resource components and products/by-products involved in the relevant production order process.

# Bill of Material Component Management (1/2)



Bill of Materials - Component Management - Selection Criteria

Management Task: **Change BOM Lines**

Select BOMs

BOM Product No. [ ] To [ ]  
 BOM Item Group [ ] To [ ]  
 BOM Type [ ] To [ ]  
 BOM Warehouse No. From [ ] To [ ]  
 BOM Distr. Rule From [ ] To [ ]  
 BOM Project From [ ] To [ ]

Routed:  Yes  No

Route Sequence From [ ] To [ ]  
 Route Stage From [ ] To [ ]

Select BOM Lines

Item [ ] From [ ] To [ ]  
 Resource [ ]  
 Text [ ]  
 Route Stage [ ]

Lines to Be Changed

Component	[ ]
Components per Existing Components	1.000
Change Additional Quantity	0.000
Change Warehouse	[ ]
Change Issue Method	[ ]
Change WIP Account	[ ]
<input checked="" type="checkbox"/> Change Route Sequence	1
<input checked="" type="checkbox"/> Change Route Stage	Quality
<input checked="" type="checkbox"/> Change Price List	Last Purchase Price
<input checked="" type="checkbox"/> Change Distr. Rule	[ ]
<input checked="" type="checkbox"/> Change Project	NSI-C20000

OK Cancel

## Feature

- New section *Routed* shall be added to include filtering for:
  - Route Sequence (From - To)
  - Route Stage (From - To)
- Route Stage is a new option under Select BOM Lines giving you the ability to:
  - Delete route stage rows together with all components belonging to this route stage
  - Change Route Stage Code and Waiting Days for existing Route Stage.
- *Add BOM Lines* and *Change BOM Lines* management tasks now have the option to set and/or change *Price List*, *Distr. Rule* and *Project* details.
- *Change Route Sequence* and *Change Route Stage* are also new options when Routed is set to Yes and *Item*, *Resource* or *Text* is selected.

## Benefit

- BOM Component Management now supports route stages.
- Increased flexibility when specifying properties for BOM lines to be changed for items and resources.

# Bill of Material Component Management (2/2)



Bill of Materials - Component Management - Selection Criteria

Management Task: **Change BOM Header**

Select BOMs

BOM Product No. [ ] To [ ]  
 BOM Item Group [ ] To [ ]  
 BOM Type [ ] To [ ]  
 BOM Warehouse No. [ ] From [ ] To [ ]  
 BOM Distr. Rule [ ] From [ ] To [ ]  
 BOM Project [ ] From [ ] To [ ]

Specify Properties for BOM Header to Be Changed

Change Quantity  
 Change Warehouse  
 Change Price List  
 Change Distr. Rule  
 Change Project  
 Change Planned Average Production Size

10.000  
 0.000

Update Rows

Bill of Materials - Component Management - Change Header Preview

Selected	BOM Product No.	BOM Item Group	BOM Type	BOM Wareho...	Existing Quantity	Replacement Quantity
<input checked="" type="checkbox"/>	LM4029	Items	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	LM4029PS	Items	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	MRP_BOM	Items	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	MRP_Child1	Items	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P10001	PCs	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P10002	PCs	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P10003	PCs	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P10004	PCs	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P20001	Servers	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P20002	Servers	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	P20003	Storage	Production	01	1.000	10.000
<input checked="" type="checkbox"/>	S10000	Servers	Production	01	1.000	10.000

Update Rows

## Feature

- New Management Task – *Change BOM Header*
- New section *Specify Properties of BOM Header to be Changed* is added with the following options:
  - Change Quantity
  - Change Warehouse
  - Change Price List
  - Change Distr. Rule
  - Change Project
  - Change Planned Average Production size
- New *Update Rows* checkbox allows users to change and review the rows before execution.
- New *Change Header Preview* window allows users to review the BOM header properties to be changed before execution.

# Referenced Documents for Production Orders



Production Order

Type: Standard  
Status: Released  
Product No.: P10001  
Product Description: PC - P4 2.4G, DDR 512M, 400G HD  
Planned Quantity: 100  
Warehouse: 01  
Priority: 100  
Routing Date Calculation: On Start Date

No.: Primary 156  
Order Date: 01.01.18  
Start Date: 01.01.18  
Due Date: 01.01.18  
User: Jayson Butler  
Origin: Manual

Components Summary

Costs: Actual Item Component Cost: GBP 48,741.57  
Actual Resource Component Cost:   
Actual Additional Cost: GBP 2,000.00  
Actual Product Cost: GBP 50,741.57  
Actual By-Product Cost:   
Total Variance: GBP 0.00  
Journal Remark: Production Order - P10001

Quantities: Planned Quantity: 100  
Completed Quantity: 100  
Rejected Quantity:   
Planned Times: Total Production Time:   
Total Additional Time:   
Total Run Time:   
Dates:   
Actual:   
Overd:

Referenced Document

OK Cancel

## Feature

- Able to add referenced documents to the Production Orders.
- Production Orders can also be referenced by other documents.

## Benefit

- Standardize functionality throughout the system.

Reference Information

Document Referenced To | Document Referenced By

#	Transact. Type	Doc. Number	Ext. Doc. Number	Date	Remarks
1	Purchase Order	721		01.01.18	
2	Delivery Notes	1348		11.12.17	
3					

OK Cancel

# Variance Report for Production Orders



Production Order

Type: Standard  
 Status: Released  
 Product No.: P10001  
 Product Description: PC - P4 2.4G, DDR 512M, 400G HD  
 Planned Quantity: 100  
 Warehouse: 01  
 Priority: 100  
 Routing Date Calculation: On Start Date

No.: Primary 156  
 Order Date: 01.01.18  
 Start Date: 01.01.18  
 Due Date: 01.01.18  
 User: Jayson Butler  
 Origin: Manual

Components Summary

Costs  
 Actual Item Component Cost: GBP 48,741.57  
 Actual Resource Component Cost:   
 Actual Additional Cost: GBP 2,000.00  
 Actual Product Cost: GBP 50,741.57  
 Actual By-Product Cost:   
**Total Variance: GBP 0.00**

Quantities  
 Planned Quantity: 100  
 Completed Quantity: 100

Planned Times  
 Total Production Time:   
 Total Additional Time:   
 Rejected:   
 Dates:   
 Overdu:

Journal Remark: Production Order - P10001  
 Referenced Document: ...

Remarks:   
 OK Cancel

## Feature

- A new *Variance Report* is added for Production Orders. To open this report, go to Production Order -> Summary tab and click the yellow arrow next to the Total Variance Field.

## Benefit

- The report shows the contribution of each production component to the final production variance for a selected Production Order.

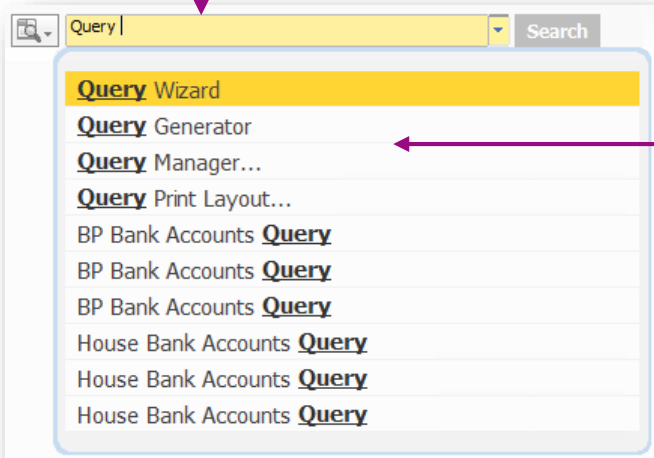
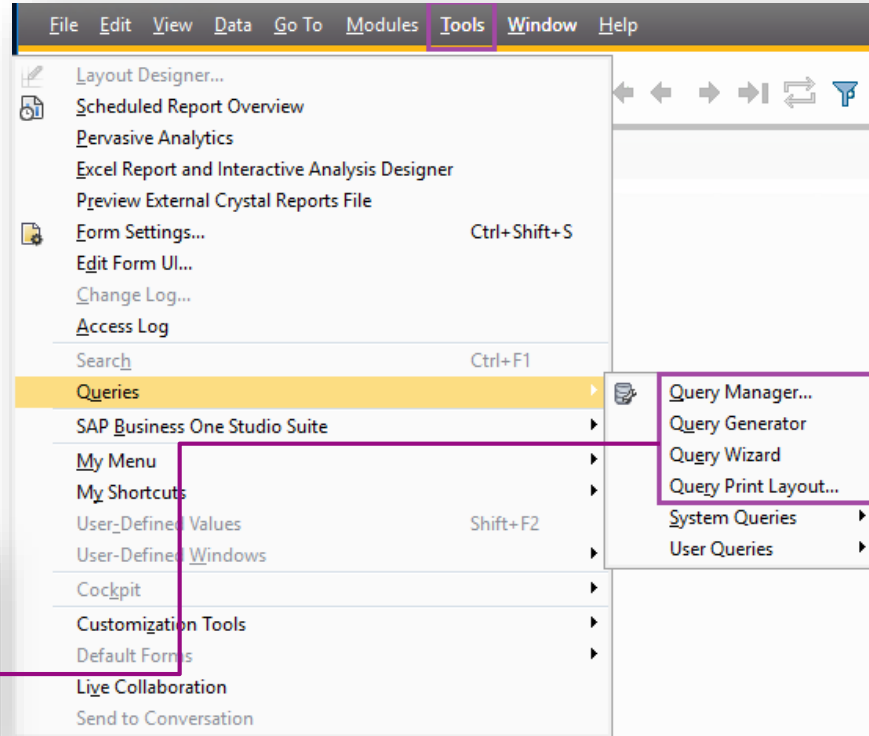
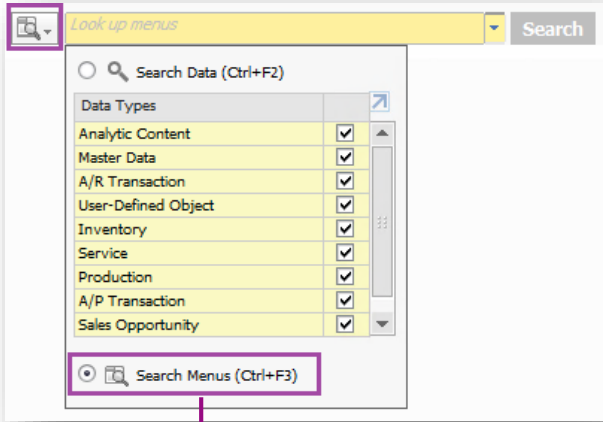
Variance Report

#	Type	No.	Qty	Avg. Cost	Total	Variance
1	Item Component	C00001	-100.000	GBP 144.02	GBP -14,402.01	GBP 0.00
2	Item Component	C00003	-100.000	GBP 44.75	GBP -4,475.12	GBP 0.00
3	Item Component	C00004	-100.000	GBP 12.29	GBP -1,229.09	GBP 0.00
4	Item Component	C00005	-100.000	GBP 21.45	GBP -2,144.69	GBP 0.00
5	Item Component	C00006	-100.000	GBP 4.86	GBP -486.39	GBP 0.00
6	Item Component	C00007	-100.000	GBP 163.46	GBP -16,346.15	GBP 0.00
7	Item Component	C00008	-100.000	GBP 71.90	GBP -7,190.23	GBP 0.00
8	Item Component	C00009	-100.000	GBP 7.50	GBP -750.37	GBP 0.00
9	Item Component	C00010	-100.000	GBP 3.20	GBP -319.72	GBP 0.00
10	Item Component	C00011	-100.000	GBP 13.98	GBP -1,397.80	GBP 0.00
11	Additional	L10001	-400.000	GBP 5.00	GBP -2,000.00	GBP 0.00
12	Product	P10001	100.000	GBP 507.42	GBP 50,741.57	GBP 0.00
						GBP 0.00

OK



# Search Function used to search windows under the Tools menu option



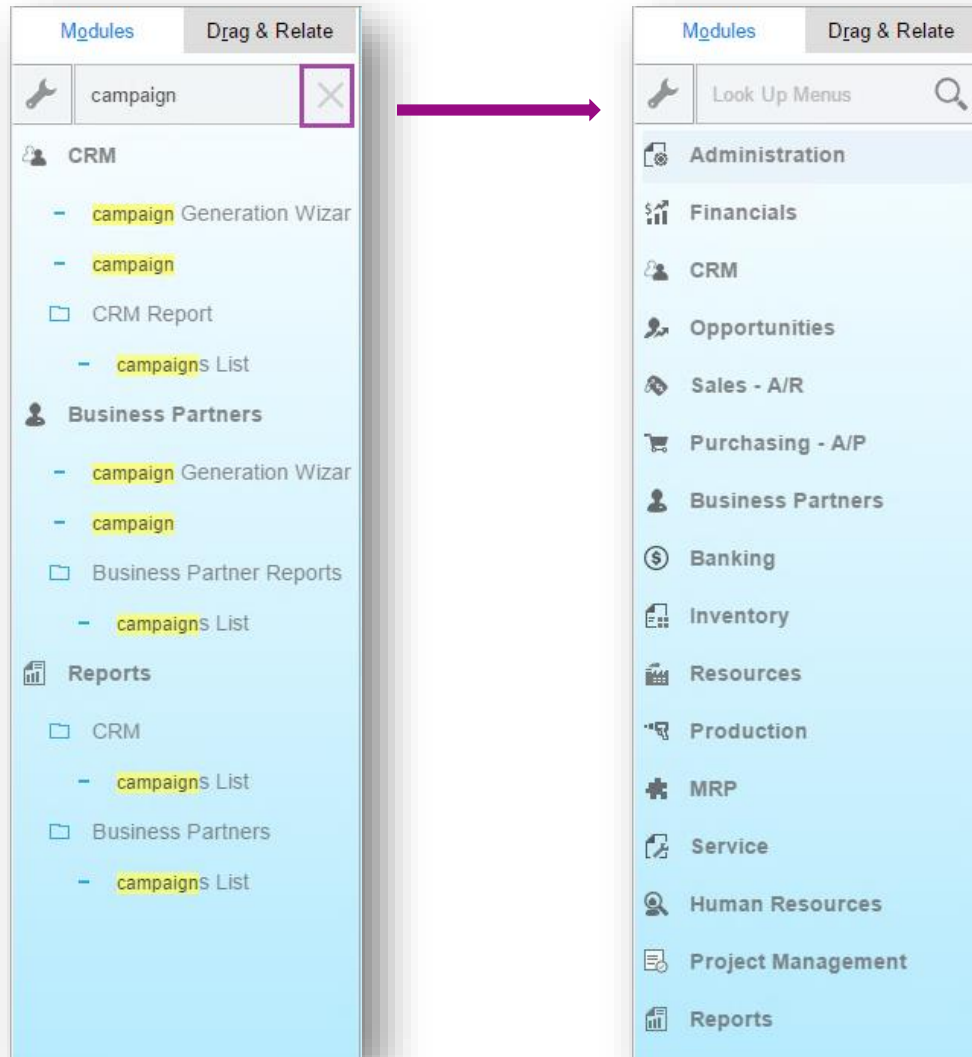
## Feature

- Search function to search menu items
- Menu items now also include those from the Tools menu
- For SAP Business One, version for HANA you cannot use this with Fiori-Style Cockpit

## Benefit

- Ease of use

# Clearing Search Content with One Click When the Fiori-Style Cockpit Is Enabled



## Feature

- “X” icon available to remove text in the search field with one click
- On removing the text, the main menu returns to original state

## Benefit

- Ease of use

# User Defined Field extension



Field Data

Title: myUDF Description: myUDF

Type: Alphanumeric Length: 15

Structure: Regular

Validation: Linked to Entities

Link to System Object  
 Set Linked Table  
 Link to UDO

Set Default Value for Field

Mandatory Field

Add Cancel

Accounts

- OACT - Accounts
- OCRD - Business Partners
- OITM - Items
- OINV - A/R Invoices
- ORIN - A/R Credit Memos
- ODLN - Deliveries
- ORDN - Returns
- ORDR - Sales Orders
- OPCH - A/P Invoices
- ORPC - A/P Credit Memos
- OPDN - Goods Receipt PO
- ORPD - Goods Return
- OPOR - Purchase Orders
- OQUT - Sales Quotations
- ORCT - Incoming Payments
- OJDT - Journal Entries
- OVPM - Outgoing Payments
- OIGN - Goods Receipt
- OIGE - Goods Issue
- OWHS - Warehouses
- ODSC - Banks
- OUSR - Users
- ODPS - Deposits
- OCLE - Activities
- OCHO - Checks for Payment
- OITT - Bill of Materials
- OWTR - Inventory Transfers
- OOPR - Opportunity
- ODRF - Documents - Drafts
- OMRV - Inventory Revaluation
- OHEM - Employees
- OINS - Install Base
- OCTR - Service Contract
- OSCL - Service Call
- OWOR - Production Orders
- OWTQ - Inventory Transfer Request
- OOAT - Blanket Agreements
- OPMG - Project Management
- ORRR - Return Request
- OPRR - Goods Return Request

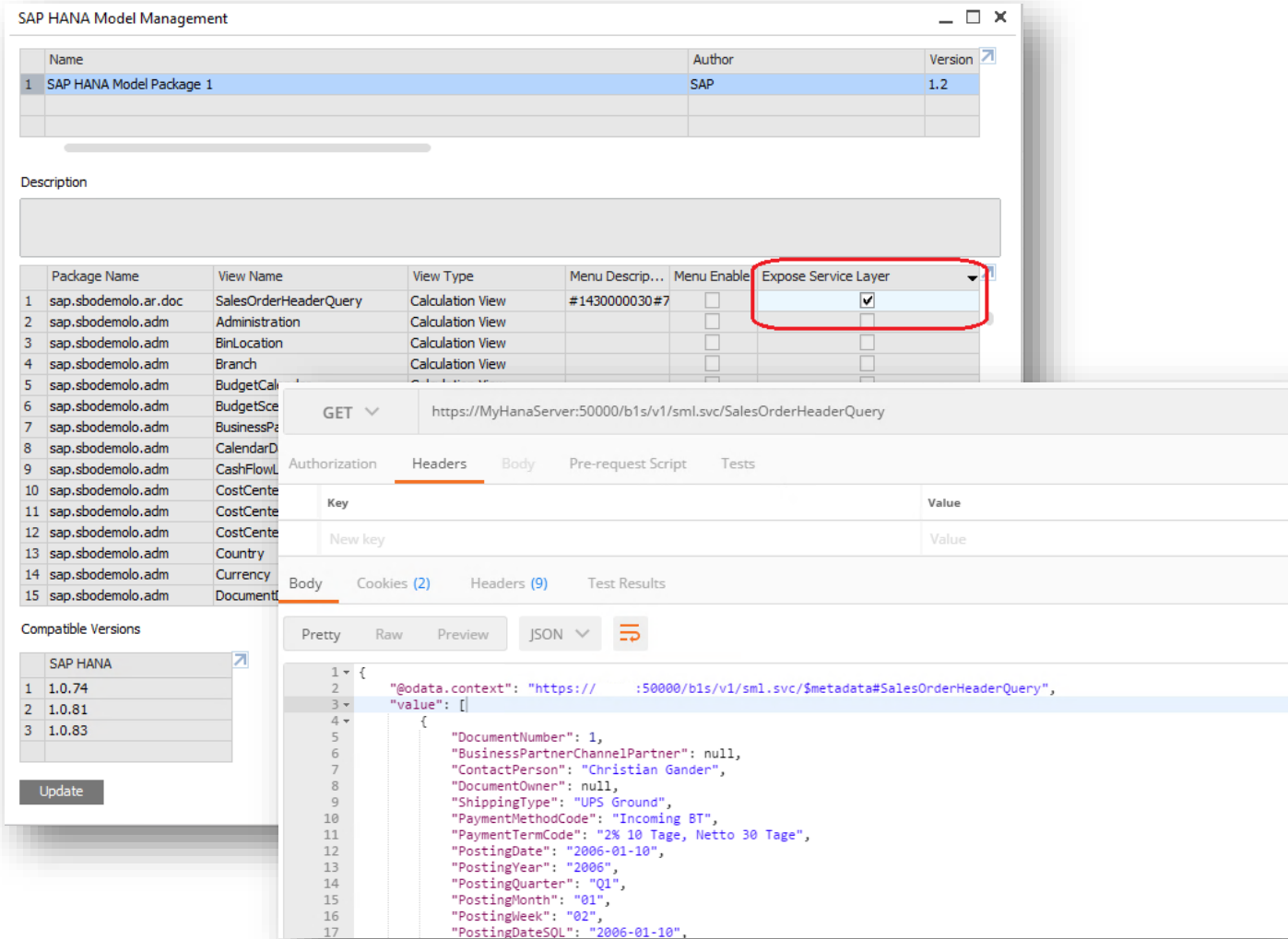
## Feature

- More system objects can be linked to the UDFs

## Benefit

- Better customization

# Expose Semantic Layer as an OData Service



The screenshot shows the SAP HANA Model Management interface. At the top, a table lists model packages, with 'SAP HANA Model Package 1' selected. Below this, a table lists various views. The 'Expose Service Layer' checkbox is checked for the 'SalesOrderHeaderQuery' view. A red box highlights this checkbox. Below the table, a REST client interface shows a GET request to the endpoint `https://MyHanaServer:50000/b1s/v1/sml.svc/SalesOrderHeaderQuery`. The response is shown in JSON format, displaying a list of sales order header queries with various fields like DocumentNumber, BusinessPartnerChannelPartner, ContactPerson, etc.

Name	Author	Version
SAP HANA Model Package 1	SAP	1.2

Package Name	View Name	View Type	Menu Descrip...	Menu Enable	Expose Service Layer
sap.sbodemolo.ar.doc	SalesOrderHeaderQuery	Calculation View	#1430000030#7	<input type="checkbox"/>	<input checked="" type="checkbox"/>
sap.sbodemolo.adm	Administration	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	BinLocation	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	Branch	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	BudgetCalc	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	BudgetSce	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	BusinessPe	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	CalendarD	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	CashFlowL	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	CostCentr	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	CostCentr	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	CostCentr	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	Country	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	Currency	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>
sap.sbodemolo.adm	Document	Calculation View		<input type="checkbox"/>	<input type="checkbox"/>

```
1 {
2   "@odata.context": "https://...:50000/b1s/v1/sml.svc/$metadata#SalesOrderHeaderQuery",
3   "value": [
4     {
5       "DocumentNumber": 1,
6       "BusinessPartnerChannelPartner": null,
7       "ContactPerson": "Christian Gander",
8       "DocumentOwner": null,
9       "ShippingType": "UPS Ground",
10      "PaymentMethodCode": "Incoming BT",
11      "PaymentTermCode": "2% 10 Tage, Netto 30 Tage",
12      "PostingDate": "2006-01-10",
13      "PostingYear": "2006",
14      "PostingQuarter": "Q1",
15      "PostingMonth": "01",
16      "PostingWeek": "02",
17      "PostingDateSQL": "2006-01-10",
```

## Feature

- Expose Semantic Layer Query Views to Service Layer.
- Expose Semantic Layer as Service.

## Benefit

- Semantic view service supports OData ver. 4
- The following query options are available : \$filter, \$select, \$orderby, \$top, \$skip and \$count.
- Parameters can be used.

# Using Extension Package Tool in Command Line Mode



```
Command Prompt
C:\Program Files (x86)\sap\SAP Business One SDK\Tools\ExtensionPackage>ExtensionPackage.exe /v:"1.3" /86:"C:\Users\I043582\Desktop\AddOn_Source\DemoAddOn\bin\x86\Release\DemoAddOn.exe" /64:"C:\Users\I043582\Desktop\AddOn_Source\DemoAddOn\bin\x64\Release\DemoAddOn.exe" /p:"C:\Users\I043582\Desktop\AddOn_Deployment_Package\DemoAddOn.zip" /s:"C:\Users\I043582\Desktop\AddOn_Deployment_Package\DemoAddOn.ard" /ex:".dll|.pdb|.manifest|.b1s"

C:\Program Files (x86)\sap\SAP Business One SDK\Tools\ExtensionPackage>

Info:C:\Users\I043582\Desktop\AddOn_Deployment_Package\DemoAddOn.zip already exists.The original file will be replaced.
Start packaging.
Packaged successfully.

C:\Program Files (x86)\sap\SAP Business One SDK\Tools\ExtensionPackage>
```

## Feature

- Generate lightweight extension package from command line

## Benefit

- Automatization for solution packaging

### ExtensionPackage.exe

**/v:** "1.3" (version of the Add-On solution)

**/86:** "..\DemoAddOn\bin\x86\Release\DemoAddOn.exe" (path to add-on 32 bit executable file)

**/64:** "..\DemoAddOn\bin\x64\Release\DemoAddOn.exe" (path to add-on 64 bit executable file)

**/p:** "C:\temp\Deployment Package\DemoAddOn.zip" (full path to save the output package)

**/s:** "..\AddOn Deployment Package\DemoAddOn.ard" (source ARD file which contains basic information)

**/ex:** ".dll | .pdb | .manifest | .b1s" (exclude files with specified suffixes under the packaging directory)



# SAP Business One 9.3 PL01


## SAP Business One 9.3 PL01 – Overview Note [2547104](#)

## SAP Business One 9.3, version for SAP HANA PL01 – Overview Note [2547017](#)

Relevant Country	Type		Details
All	DRQ	<a href="#">Display Database Field Name for Import from Excel</a>	SAP Note <a href="#">2521050</a>
All	DRQ	<a href="#">Multiple ways to input dates</a>	SAP Note <a href="#">2535468</a>
All	DRQ	<a href="#">Managing multiple open windows</a>	SAP Note <a href="#">2535522</a>
All	DRQ	<a href="#">User Group selection in UI Configuration Template</a>	SAP Note <a href="#">2572862</a>
All	DRQ	<a href="#">Approval Procedure Enhancements</a>	SAP Note <a href="#">2512348</a>
All	DRQ	<a href="#">Allow any Business Partner in A/R Invoice and Payment document header</a>	SAP Note <a href="#">2513151</a>
All	DRQ	<a href="#">You can assign Serial/Batch Numbers to Return Requests</a>	SAP Note <a href="#">2553953</a>
All	DRQ	<a href="#">Global setting to control “Display Batch Quantities By”</a>	SAP Note <a href="#">2556800</a>

# SAP Business One 9.3 PL01 – Overview Note [2547104](#)

## SAP Business One 9.3, version for SAP HANA PL01 – Overview Note [2547017](#)

Relevant Country	Type		Details
All	DRQ	Summary of Production Module Enhancements	SAP Note <a href="#">2535601</a>
All	DRQ	Routing Date Calculation Functionality	SAP Note <a href="#">2540739</a>
All	DRQ	<a href="#">Run Time, Additional Time and Production Time on Production Order</a>	SAP Note <a href="#">2560255</a>
All	DRQ	<a href="#">Production Order - New Selection Criteria for Issue Components, Transfer Request, Component Transfer</a>	SAP Note <a href="#">2559637</a>
All	Important correction	Import from Excel now supports Effective Price field in BP Master Data	SAP Note <a href="#">2523355</a>
All	Important correction	Approval process now able to be restored after update to Approval Template or Approval Stage	SAP Note <a href="#">2513040</a>
All	Important correction	A new service for Service Layer allows document line live filtering.	SAP Note <a href="#">2534810</a>
All	Important Correction	Server Components Setup Wizard now allows Changing Parameters of Windows Domain User Authentication in the Reconfiguration Mode 	SAP Note <a href="#">2522530</a>
AR	Important correction	Withholding Tax cannot be copied by Quick Copy	SAP Note <a href="#">2522895</a>

# Display Database Field Name for Import from Excel



Import from Excel

Data Type to Import: Business Partner

File to Import: [Browse]

Map the File Columns to the Object Fields  Display Database Field Name

Column in File	Field in Object
A	
B	
C	BP Code
D	BP Name
E	BP Currency
F	BP Type

## Feature

- Checkbox : Display Database Field Name
- Provides the database table and field name into where the information will be imported

## Benefit

- Clear understanding of the target tables/fields
- Accurate data import

Import from Excel

Data Type to Import: Business Partner

File to Import: [Browse]

Map the File Columns to the Object Fields  Display Database Field Name

Column in File	Field in Object
A	
B	
C	BP Code [OCRD.CardCode]
D	BP Name [OCRD.CardName]
E	BP Currency [OCRD.Currency]
F	BP Type [OCRD.CardType]

# Multiple ways to input dates



The image displays two screenshots of the SAP A/R Invoice form. The top screenshot shows the 'Due Date' field with the value '20.11.17' and a '+10' operand entered next to it. A yellow box highlights the text 'SYSTEM DATE + 10 = New DUE DATE'. The bottom screenshot shows the same form with the 'Due Date' field containing '30.11.17'. Purple arrows indicate the flow from the '+10' operand in the top screenshot to the '20.11.17' date, and then to the '30.11.17' date in the bottom screenshot, illustrating the result of the date calculation.

## Feature

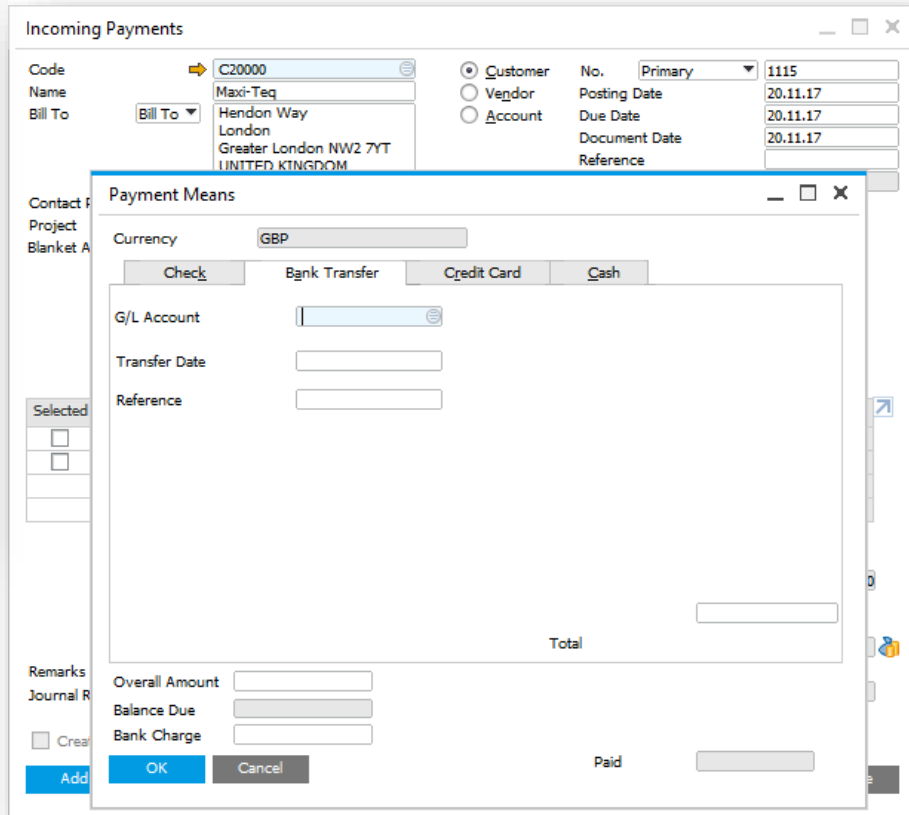
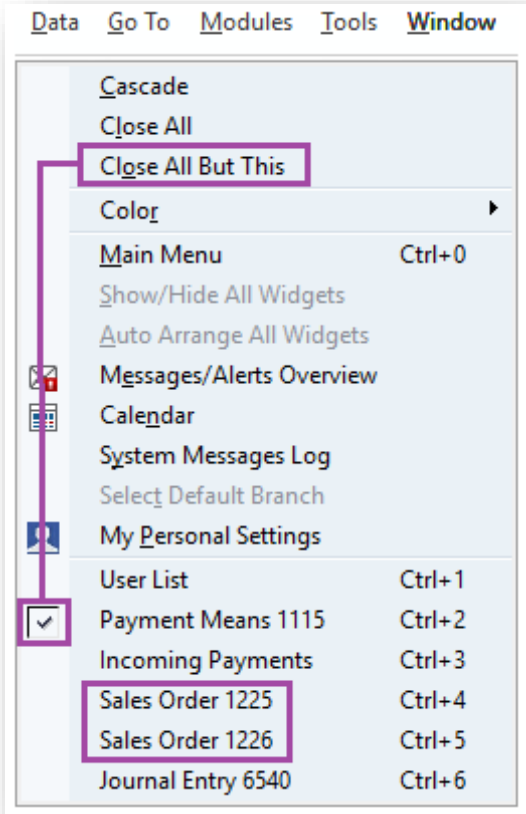
- New way to add dates in date fields
- To enter a new date in the date field you can use the following two methods:
  - 1- Use arrow keys
    - Up/Down arrows to increase/decrease respectively date in steps of 1 day
  - 2- Use operands
    - +/-N : add/subtract N days
    - +/-ND : add/subtract N days
    - +/-NM : add/subtract N months
    - +/-NY : add/subtract N years
    - NOTE: You can only use letters D,M,Y (not case sensitive)
    - NOTE: Do not leave a space between the operand(+/-), number(N) and period(D,M,Y)

## Benefit

- Quicker date input
- Ease of use



# Managing multiple open windows



## Feature

- In addition to close all windows, you have the option to leave the window that is currently being worked on
- Dependent forms will not be closed e.g. where a payment means form is open the underlying incoming payment screen will stay open
- Unique identifier (document number) helps user to choose the correct window to access

## Benefit

- Increase efficiency
- Quickly get access to the relevant window where many similar ones are open

# User Group selection in UI Configuration Template



The screenshot shows two overlapping dialog boxes. The background dialog is 'UI Configuration Template' with the following details:

- Name: New Sales Quote Templ
- Description: New Sales Quote Template
- Assigned Groups table:

Select	Group Name	Description
<input checked="" type="checkbox"/>	Template1	Template for Remote Sales
<input type="checkbox"/>	Template2	Template for Services

The foreground dialog is 'User Groups' with the following details:

- Name: Template1
- Description: Template for Remote Sales
- Group Type: UI Configuration Templates
- Active From: [ ] To: [ ]
- Group Type dropdown: UI Configuration T
- Users table:

#	User Code	User Name	Department	From	To
1	bill	Bill Levine	Sales		
2	manager	Jayson Butler	General		
3					

Buttons: OK, Cancel, and Create Group (highlighted with a purple box).

## Feature

- You can now assign Groups to UI Templates.
- These Groups must first be created in User Groups using the Group Type UI Configuration Template.

## Benefit

- Quickly apply UI Templates predefined groups of users.

# Approval Procedure Enhancements



**General Settings**

BP Budget Services Display Font & Bkgd Path Inventory Resources Cash Flow Cockpit Cost Accounting Pricing Hide Functions

**Customer Activity Restrictions**

Credit Limit  Commitment Limit  Consider Deliveries Balance

A/R Invoice  Delivery  Sales Order  Pick List

**Set Commission by**

Sales Employees  Items  Customers

**Approval Process**

Enable Approval Process

Enable Approval Process in DI

Enable Updating Document Added/Updated by Approval Process

Enable Updating Draft in Status Pending/Approved

**Payment Terms Preferences**

Default Payment Method for Customer [Dropdown]  
 Default Payment Method for Vendor [Dropdown]  
 Submit Credit Vouchers [Dropdown] (Automatically)  
 Default Dunning Term for Customer [Dropdown] (- Standard -)

Default Payment Term for Customer [Dropdown] (- Geldbasis -)  
 Default Payment Term for Vendor [Dropdown] (- Geldbasis -)

Apply Changes in BP Fields to New Business Partners Only

Display Inactive Business Partners in Reports  
 Display Inactive Business Partners in Marketing Documents

Apply IBAN Validation to Bank Accounts  
 Enable Data Ownership  
 Manage Data Ownership By [Dropdown] (Document Only)

**Blanket Agreement**

Allow Multiple Blanket Agreements for Same Period  
 Enable Updating Price/Planned Amount in Blanket Agreement with [Dropdown]

OK Cancel

**Approval Status Report**

Document Type	Document No.	Draft No.	Originator	Template	Status	Remarks	Draft Key
Purchase Request	1	1	Jayson Butler		Generated		1
Purchase Request		1	Jayson Butler		Pending		2
Purchase Request		1	Jayson Butler		Canceled (restorable)		3

OK Cancel Collapse Expand

## Feature

- Enable updating a previously approved document.
- Enable updating a draft document with status Pending/Approved.
- Approval Decisions Report now shows the Draft Key. (PL01)

## Benefit

- You are now able to amend/cancel a document processed through the approval process.
- Approver always sees the latest version of the document to be approved.
- Ensures approval is obtained every time the approval criteria have been triggered whether adding or updating the document.

# Allow any Business Partner in A/R Invoice and Payment document header



Welcome, Jayson Butler. You are in cockpit of **OEC Computers UK**.

A/R Invoice

Customer: C99999  
Name: One Time Customer  
Contact Person: [Dropdown]  
Customer Ref. No.: [Field]  
BP Currency: GBP

No. Primary 1306  
Status Open  
Posting Date 29.11.17  
Due Date 29.11.17  
Document Date 29.11.17

#	Item No.	Item Descripti...	Quantity	Unit Price	Disc...	Tax Code	Total
1					0.00	O1	

Payment Means

Currency: GBP

Check Bank Transfer Credit Card Cash

G/L Account: [Field]  
Transfer Date: [Field]  
Reference: [Field]

Total: [Field]

Overall Amount: [Field] 0.00 Discount %: [Field]  
Balance Due: [Field]

OK Cancel Paid: [Field]

## Feature

- In the A/R Invoice and Payment screen you are now able to input any Business Partner (BP). The default BP can be removed.
- You can now activate the payment means screen directly from posted A/R and A/P Invoices.

## Benefit

- Enhanced usability
  - Faster invoice and payment input for all BPs
  - Faster access to payment screen

# RMA - Return Material Agreement



**Sales - A/R**

- Sales Blanket Agreement
- Sales Quotation
- Sales Order
- Delivery
- Return Request**
- Return
- A/R Down Payment Request
- A/R Down Payment Invoice

**Return Request**

Customer: C20000    No.: Primary 1  
 Name: Maxi-Teq    Status: Closed  
 Contact Person: Norm Thompson    Posting Date: 10.05.17  
 Customer Ref. No.:    Due Date: 10.05.17  
 Local Currency:    Document Date: 10.05.17

#	Item No.	Quantity	Unit Price	Gross Price	Disc...	Tax Code	Total (LC)	Stage	UoM Code	Return Reason	Return Action
1	A00001	1	GBP 300.00	GBP 360.00	0.00	O1	GBP 300.00	Manual		Damaged	Repair

**Item Master Data**

Item No.: A00001     Inventory Item  
 Description: J.B. Officeprint 1420     Sales Item  
 Foreign Name:     Purchase Item

Item Type: Items  
 Item Group: J.B. Printers  
 UoM Group: Manual    Bar Code:    Manual    Unit Price: GBP 200.00

Price List: Base Price    Unit Price: Primary Curren

**Inventory Data**

Set Inv. Method By: Warehouse     Manage Inventory by Warehouse

UoM Name:    Inventory Level:    Required (Purchasing UoM):  
 Weight:    Minimum:    Maximum:

Valuation Method: Moving Average

#	Whse Code	Whse Name	Locked	In Stock	Committed	Ordered	Available	Item Cost
1	01	General Warehouse	<input type="checkbox"/>	397	1	1	397	147.33
2	02	Backup Warehouse	<input type="checkbox"/>	30			30	200
3	03	Drop Ship	<input type="checkbox"/>					
4	04	Consignment	<input type="checkbox"/>					
5	05	Bin Warehouse	<input type="checkbox"/>					
6			<input type="checkbox"/>					
				427	1	1	427	

**Purchasing - A/P**

- Purchase Blanket Agreement
- Purchase Request
- Purchase Quotation
- Purchase Order
- Goods Receipt PO
- Goods Return Request**
- Goods Return Request
- A/P Down Payment Request
- A/P Down Payment Invoice

## Feature

- Create a Return Request (A/R) or Goods Return Request (A/P).
- This pre-step for the return document includes the agreed quantities, prices, return reason and return action before the goods are actually returned.
- You can manage serials and batches in both Return Request (PL01) and Goods Return Request.
- Request transaction creates an allocation on the item master record.

## Benefit

- Enables management and tracking of the return process.
- Increased transparency.

# Global setting to control “Display Batch Quantities By”



General Settings

BP Budget Services Display Font & Bkgd Path Inventory

Items Planning Reporting

Serial Numbers and Batches Display Inactive

Management Method On Every Transaction  Reports  Marketing D

Issue Primarily By Serial and Batch Numbers

Unique Serial Numbers by Serial Number

Display Batch Quantities By **Document Row UoM**

Auto. Create Customer Equipment Card

Basic Setting for Batch Status  Block Multiple Receipts for Same Batch v

General Settings

BP Budget Services Display Font & Bkgd Path Inventory

Items Planning Reporting

Serial Numbers and Batches Display Inactive

Management Method On Every Transaction  Reports  Marketing D

Issue Primarily By Serial and Batch Numbers

Unique Serial Numbers by Serial Number

Display Batch Quantities By **Inventory UoM**

Auto. Create Customer Equipment Card

Basic Setting for Batch Status Released

Block Multiple Receipts for Same Batch v

Batch with Serial/Batch Valuation Method

Delivery

Contents Logistics Accounting Attachments

Item/Service Type Item Summary Type No Summary

#	Item No.	Item Descripti...	Quantity	UoM Name	Items per Unit	Unit Price	Disc...	Tax C...
1	B10000	Printer Label	4.000	6 Pack	6.000000	GBP 62.10	0.00	O1
2					0.000000		0.00	O1

Add Cancel Copy From Copy To

## Feature

- Global setting to drive best practice as maintained in the organization.
- Batch Unit of Measure (UoM) corresponds to Global setting.

## Benefit

- Uniform usage throughout the organization.
- Increases efficiency.

Batch Number Selection

Rows from Documents

#	Item No.	Item Description	Whse C...	Quantity	Total Needed	Total Selected	Total Batches	Direction
1	B10000	Printer Label	01	4	4			Out

Available Batches

Find

#	Batch	Availabl...	Selecte...	Allocate...
1	B1-00067	8.333		
2	B1-00068	8.333		
3	B1-00069	8.333		
4	B1-00070	8.333		
		83.33		

Selected Batches

#	Batch	Selected Qty
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Display Available Batches All

OK Cancel Auto Select

Batch Number Selection

Rows from Documents

#	Item No.	Item Description	Whse C...	Quantity	Total Needed	Total Selected	Total Batches	Direction
1	B10000	Printer Label	01	24	24			Out

Available Batches

Find

#	Batch	Availabl...	Selecte...	Allocate...
1	B1-00067	50		
2	B1-00068	50		
3	B1-00069	50		
4	B1-00070	50		
		500		

Selected Batches

#	Batch	Selected Qty
---	-------	--------------

Display Available Batches All

OK Cancel Auto Select

# Production Routing



Production Order

Type: Standard  
Status: Planned  
Product No.: P20002  
Product Description: 32GB Memory Server  
Planned Quantity: 15  
Warehouse: 01  
Priority: 100  
Routing Date Calculation: On Start Date

No.: Primary 154  
Order Date: 15.06.16  
Start Date: 15.12.17  
Due Date: 15.12.17  
User: Jayson Butler  
Origin: Manual

#	Type	No.	Description	Production Time	Additional Time	Run Time	Route Sequence
1	Item	C000	Hard Disk Se				
2	Item	C000	Motherboarc				
3	Item	C000	Memory DDF				
4	Resi	R300	Testing Mach	0:01:15	0:00:00	0:01:15	
5	Resi	R300	Assembly Ma	0:00:45	0:00:00	0:00:45	
6	Resi	R300	Senior Techn	0:00:08	0:00:00	0:00:08	
7	Item						

Planned Times

Total Production Time	0:01:15
Total Additional Time	0:00:00
Total Run Time	0:01:15

Planned Days

Total Required Days	
Total Waiting Days	
Total Days	

Costs

Actual Item Component Cost  
Actual Resource Component Cost  
Actual Additional Cost  
Actual Product Cost  
Actual By-Product Cost  
Total Variance

Journal Remark: Production Order - P20002

Actual Closing Date: 15.12.17  
Overdue

Remarks  
Pick and Pack Remarks

Update Cancel

## Feature

- The existing *Run Time* column is renamed to *Production Time*.
- The existing *Total Time* column is renamed to *Run Time*.
- On the Summary tab, the *Total Time* field is renamed to *Total Run Time*.
- On the Summary tab, the *Total Run Time* field is renamed to *Total Production Time*.
- Production Time*, *Additional Time* and *Run Time* on the Route Stage line are estimated according to the Resource with the longest Run Time of all Resource lines belonging to the stage.
- The Resource that takes most of the time determines the route stage duration.
- New selection criteria options added to the right-click operations of Production Order:
  - Transfer Request
  - Component Transfer
  - Generate Pick List