

## SAP Virtual/Onsite Trainings

### Document Categories:

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- ❑ ALV
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- ❑ Business Objects
- ❑ Business Workflow
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- ❑ Enterprise Portals (EP)
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- ❑ Object Oriented Programming
- ❑ SAP Query
- ❑ Userexits/BADIs
- ❑ WebDynpro for Java/ABAP™
- ❑ Others

### What's New?

- ❑ ABAP Test Cockpit **HOT**
- ❑ SAP ABAP Pragmas

## Standard BAPI Change / Function group enhancement Procedure

By Raghunath Shyamala, Satyam Computers

All application function modules (BAPI) can be enhanced by adding parameters to the standard function module interface. These parameters must be 'optional' in nature, since adding a mandatory parameter will require all calls to be changed. Additionally any function module that is part of the Central Basis cannot be enhanced

**You can do the following things for a BAPI (Compatible enhancement) are:**

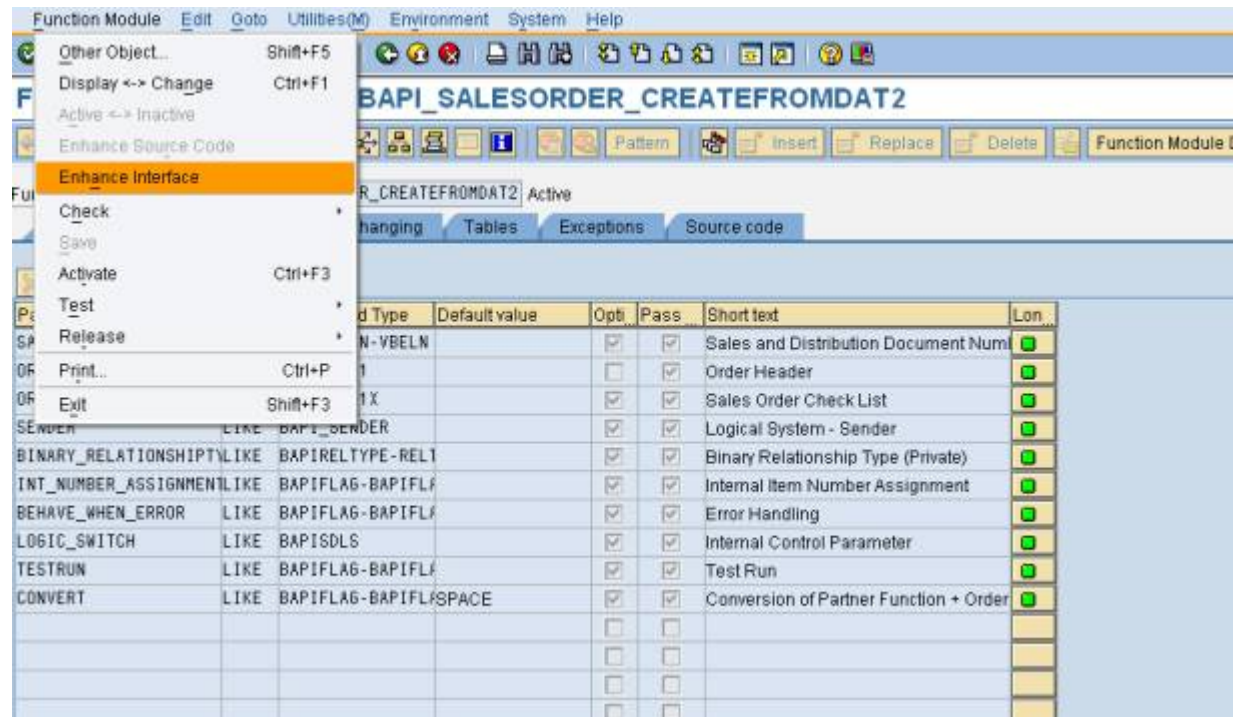
- ❑ New optional fields in structures, if these are added to the end of a structure
- ❑ New optional parameters

**You can do the below modification for a BAPI (Incompatible enhancements) are:**

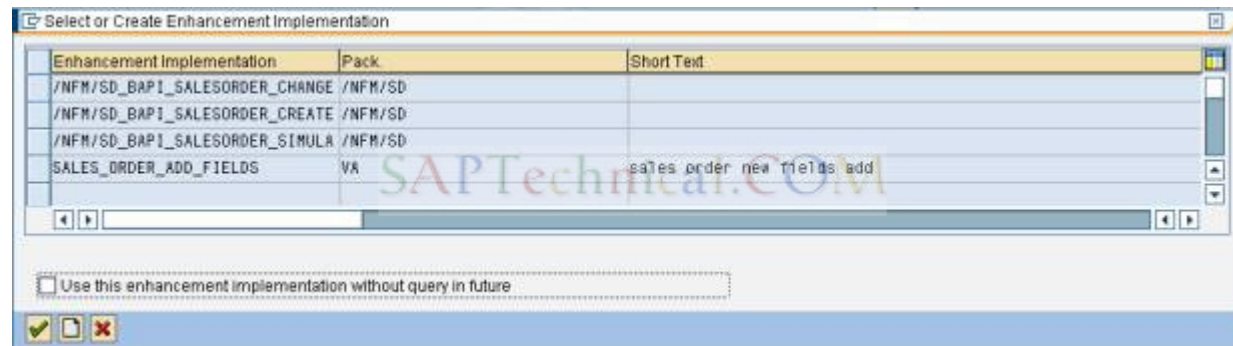
- ❑ Changes to the field length
- ❑ Changes to the field type
- ❑ Inserting a field within a structure
- ❑ Deleting parameters and fields
- ❑ Adding new mandatory fields or mandatory parameters

**Example:** function module 'BAPI\_SALESORDER\_CREATEFROMDAT2" . From the menu, choose 'Function module -> Enhance interface' to add optional parameters to a function module.

- Understanding SE32 (ABAP Text Element Maintenance)
- Creating an IDoc File on SAP Application Server
- Understanding “Advance with dialog” option of SAP Workflow
- SAP Workflow Scenario: Maintenance Notification Approval
- Enhancements to a standard class
- Working with Floating Field in Adobe Forms
- Inserting data from Internal Table into the step “Send Mail”
- Display GL Account long text using enhancement framework
- Differences between polymorphism in JAVA and ABAP
- Passing multiline parameters from an ABAP Class event to a Workflow container
- Concept of Re-evaluate agents for active work items in SAP Workflow
- Dynamic creation of component usage in ABAP WebDynpro
- Adobe Forms: Display symbols like copyright and others
- Deactivate Hold functionality in Purchase order (ME21N)
- Quiz on OOABAP
- Add fields in FBL5N using BADIs
- Tutorial on Wide casting
- Defining a Range in Module Pool Program
- Copy fields from one structure/table into another structure/table
- Side Panel Usage in NWBC



Once you click the Enhance Interface. You will be finding the screen as below:



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Sample Specs

What's Hot?

Web Dynpro for ABAP Tutorials

Click on create at bottom left. Pass the enhancement implementation name and short text. Once you done creation you will find the enhancement in the above screen.

Ex : Sales\_order\_add\_fields

Select that enhancement and click enter.

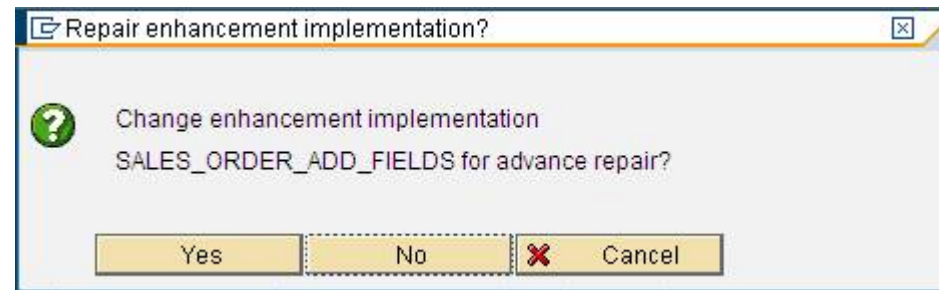
### Join the Mailing List

Enter name and email address below:

Name:

Email:

☒ Subscribe ☐ Unsubscribe



Press Yes. Then you will be finding the screen as shown below. You can add new fields as per the requirement.

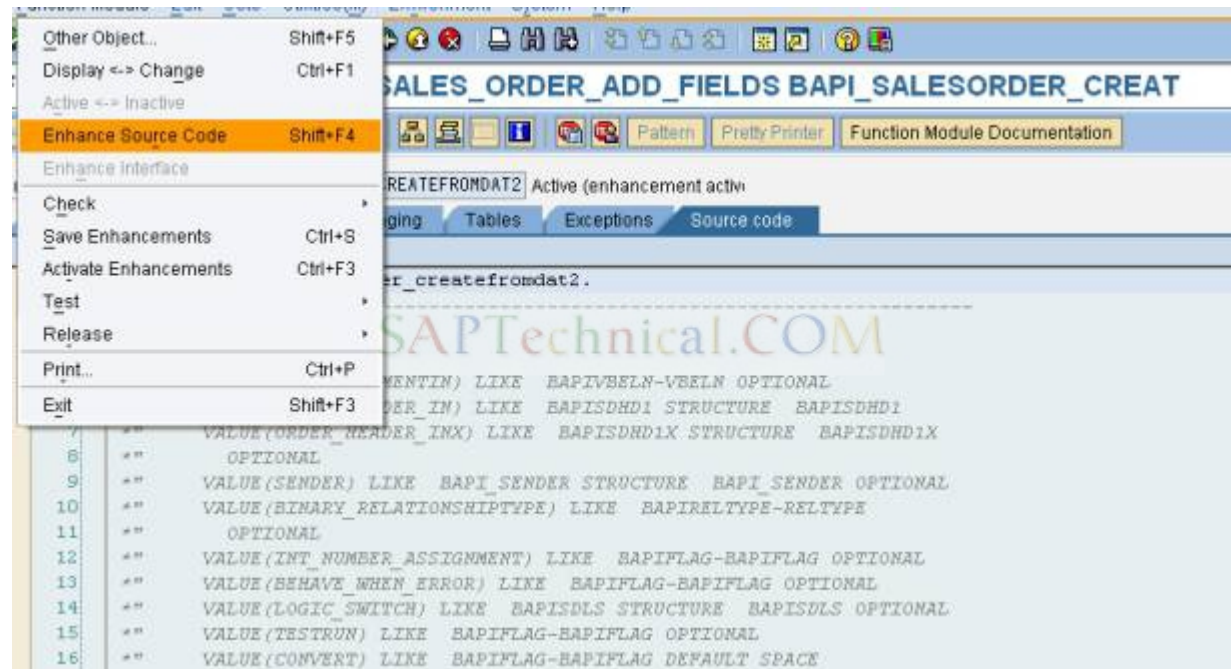
Function Builder: Enhance SALES\_ORDER\_ADD\_FIELDS BAPI\_SALESORDER\_CREAT

Function module: BAPI\_SALESORDER\_CREATEFROMDAT2 Active (enhancement active) Raghunath Shyamala

Attributes Import Export Changing Tables Exceptions Source code

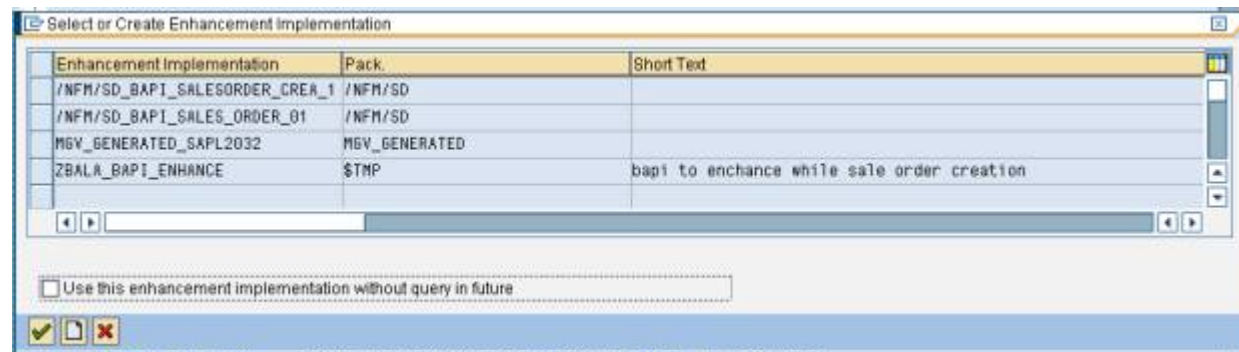
Parameter Name	Type	Associated Type	Default value	Opt	Pass	Short text	Lon	Enhancement Implementation
SALESDOCUMENTIN	LIKE	BAPIVBELN-VBELN		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sales and Distribution Document Number	3	
ORDER_HEADER_IN	LIKE	BAPIKDHD1		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Order Header	3	
ORDER_HEADER_INX	LIKE	BAPIKDHD1X		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sales Order Check List	3	
SENDER	LIKE	BAPI_SENDER		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Logical System - Sender	3	
BINARY_RELATIONSHIP	LIKE	BAPIRELTYPE-RELTYPE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Binary Relationship Type (Private)	3	
INT_NUMBER_ASSIGNMENT	LIKE	BAPIFLAG-BAPIFLAG		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Internal Item Number Assignment	3	
BEHAVE_WHEN_ERROR	LIKE	BAPIFLAG-BAPIFLAG		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Error Handling	3	
LOGIC_SWITCH	LIKE	BAPIISDLS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Internal Control Parameter	3	
TESTRUN	LIKE	BAPIFLAG-BAPIFLAG		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test Run	3	
CONVERT	LIKE	BAPIFLAG-BAPIFLAG/SPACE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Conversion of Partner Function + Order	3	
				<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>			
				<input type="checkbox"/>	<input type="checkbox"/>			

After adding the required fields, we need to add the custom code for processing. To add the code into the BAPI / Function module:



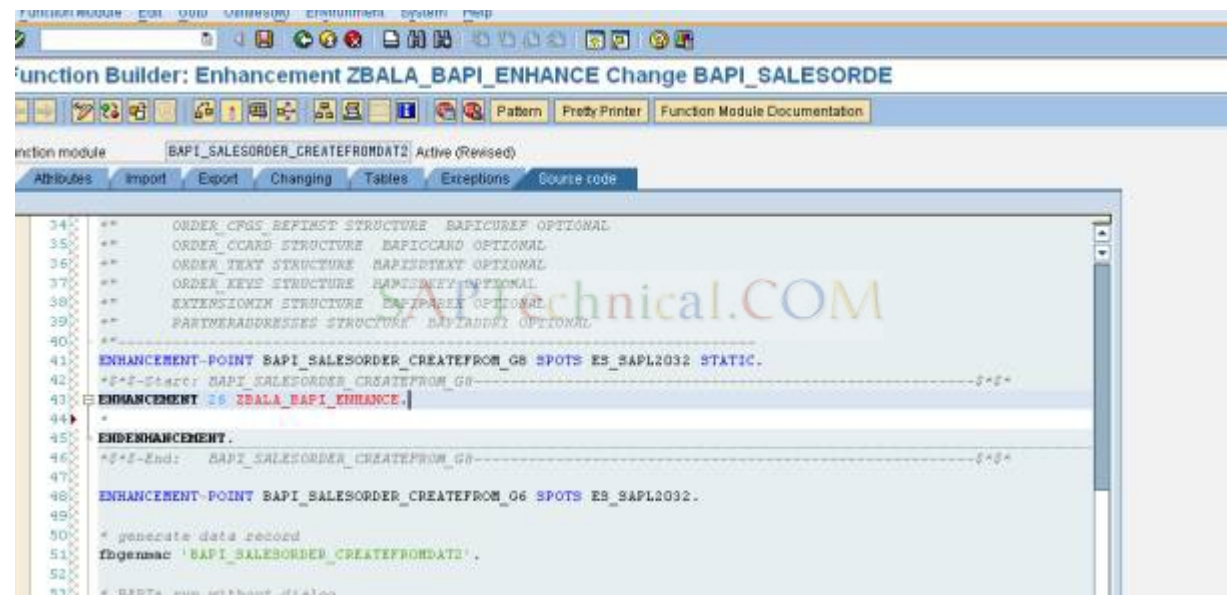
Place the cursor on the enhancement spot where we need to add the code and right click and implement the enhancement by selection the create.

Following screen would appear:



Select the enhancement and press enter.





In the above screen you can find the red colored line (Begin Enhancement ... End enhancement). In between that you can add your own code.

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