

Applies to:

SAP R/3 ECC 6.0 Base line package. For more information, visit the [Portal and Collaboration homepage](#).

Summary

The objective of this paper is share usage of SAP Best Practices implementation for end to end implementation of SAP projects. To Guide the Basis & Functional team for installation and activation of business scenario so that Class Room Pilot (CRP) activity becomes more objective oriented and meets SAP Program goals.

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Created on: 31 December 2008

Author Bio

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Table of Contents

1.	Introduction	3
2.	What is SAP Best Practice?	3
3.	Use of SAP BP.....	3
4.	Building Block Concept.....	5
5.	Business Configuration (BC) sets.....	6
6.	Manual activation of Business Configuration (BC) Sets.....	7
7.	What is Solution Builder?	12
8.	Base Line Package useful Tips	20
9.	Manually activation of BC Sets (Without Solution Builder)	21
10.	Conclusion	21
11.	Related Content.....	21
	Disclaimer and Liability Notice.....	22

1. Introduction

The main purpose of preparing this document is to get familiarizes and understands conceptually SAP Best Practices Solution. To know the different terminology, concept and tools used in its implementation. More over SAP BP need SAP BASIS and Functional Consultants involvement to understand pre requisites for smooth installation and activation of SAP Best Practice.

Basis part is to install the best practice contents and the functional team should do the activation of business scenario and configure SAP system as per configuration guide, based on their functional needs.

2. What is SAP Best Practice?

It is mainly focusing on small and mid size companies to who face challenge in getting comprehensive SAP business suite solution which are cost effective, easy to understand and quick to implement. SAP Best Practices based on building block methodology for a comprehensible solution with step-by-step approach; extensive reusable documentation that you can use for self-study, evaluation, as well as for project team and end-user training; and complete pre configuration settings.,

SAP Best Practices packages comprise preconfigured templates with documentation guides that are designed to be used with SAP applications. The preconfigured settings and guides are used in an existing system landscape and a specific SAP application release (for example, SAP ERP, SAP NetWeaver Business Intelligence, SAP CRM).

Since SAP Best Practices packages utilize a building block philosophy, the solution can be fine-tuned to meet a company's specific needs.

3. Use of SAP BP

- Deploy a rapid prototype to preview and understand SAP applications and processes
- Quick setup for a reference system used by project teams to accelerate blueprinting and solution scope definition
- Implementation starting point meeting an average of between 30% to 40 % of midsize company requirements. Rest of requirement can be addressed during course of project.
- Accelerated rollout of SAP to subsidiaries in different regions from the corporate parent company

Following different SAP BP package are available

- **SAP Best Practices Baseline package** for generic business scenarios that can be used as the basis for creating a mySAP, All-in-One solution independent of the focus of that particular solution.
- **SAP Best Practices industry packages** are designed to meet industry-specific needs, for example SAP Best Practices for Automotive, Pharmaceuticals etc.
- **SAP Best Practices cross-industry packages** provides predefined business scenarios that focus on the areas of customer relationship management, supply chain management, and business intelligence.

SAP Best Practice package comprises

- Documentation CD/DVD
- Configuration DVD (It contain SAP BP Add on features)

The SAP Best Practices baseline packages is available based on SAP ECC 5.0 and ECC 6.0, there are different releases for each SAP version and each release is include country specific solution to address localized requirements.

The information in this document is explained in context of with *SAP baseline package* based on SAP ECC 6.0

The SAP Best Practices base line configuration installation consist of

- XML File which has Scenarios
- Variants Files (.TXT) for activation of building blocks
- Quick guide which needs to be followed before activation of building block for all pre requisite

SAP Best Practices versions include the name of the system on which they are based. For example, SAP Best Practices Baseline (U.S.) V1.603 is the first version of SAP Best Practices Baseline (U.S.), and it is based on SAP ECC 6.0 with Enhancement Package 3.

User can view SAP Best practices installation components in system status

Software Compo	Release	Level	Highes	Short Description of Software Component
CPRXRPM	400	0011	SAPK - 40	SAP xRPM/cProjects/cFolders 4.00 (ABAP)
ECC - DIMP	600	0006	SAPK - 60	DIMP
ERECRUIT	600	0006	SAPK - 60	E-Recruiting
ST - A / PI	016_ECC600	0000	-	Application Servicetools for ECC 600
MRSS	600	0000	-	Multi Resource Service Scheduling
XFT	210_700	0000	-	xft business add-on
BP - INSTASS	600V4	0000	-	Best Practices Installation Assistant ba
BP - ERP05	603V2	0000	-	Best Practices for All-in-One based on E

GUI status: SESSION_ADMIN Unicode System: Yes

4. Building Block Concept

In ideal situation we should be able to leverage on investment, efforts puts in developing specific solution by way of making use of Preconfigured solutions fully or partially. Reusing a complete solution is often difficult because it contains specific settings such as the organizational structure, Unit of Measurements, factory calendar. It is also difficult to remove any unwanted parts because of the strong interdependencies with the remaining preconfiguration and/or master data.

The main criterion used to define the content covered by the SAP Best Practices building blocks is reusability from an implementation point of view. The content is mainly defined by identifying identical reusable parts within a preconfigured solution with a strict focus on its specification.

The building block concept offers a flexible and easy-to-use methodology for creating reusable blocks of business content, technical settings, information, and so on. It has more of an implementation perspective than a business modeling focus, but the business content delivered with SAP Best Practices can be set up easily using the building blocks.

The building block concept represents a **new methodology** thus and provides us with scope for enhancing of a number of building blocks in future SAP Best Practices deliveries.

Refer Building Block Library (DVD or HTML documentation) to know more about how to define building blocks.

In general, building blocks are business content-related and provide SAP Best Practices users with small, flexible, and transparent pieces of functionality. Each Building block has unique ID number and suitable title.

There are two methods to activate pre configured scenario

- **Manual method (Building blocks)** : Recommended for existing SAP customer who want to add additional functionality to their environment and to replicate SAP BP. Building blocks must be installed in specific order.
- **Automated method (Solution Builder)** : To activate SAP Best Practices with default values and sample data, see the Quick Guide. The Quick Guide describes how to use the SAP Best Practices Solution Builder to quickly activate all or selected SAP Best Practices scenarios. The Quick Guide also lists the activation prerequisites in detail. If you experience any problems during activation, see the *Error Handling* section.

Basic Steps while using SAP Best Practice

1. Download the SAP Best Practices and review documentation and scenario scope - then decide how you will use them. Also, choose if you will use a manual or automated implementation approach - before you install your SAP Applications!
2. Install your SAP applications according to required release and support pack of the SAP Best Practices
3. Activate the preconfigured scenarios in your system automatically in a guided sequence based on the scenarios and functionality you require or manually configure your system according to the provides configuration guides.
4. Review your system and key processes with the business process owners using the SAP Best Practices documentation and additional documentation provided by your project team (if applicable).

Note: Before your install your SAP Applications check the SAP version release and technical specification.

5. Business Configuration (BC) sets

BC sets are a part of SAP Best Practices that are delivered in the form of preconfigured business settings which can be used to assemble either a prototype or a development system. The user can choose the pre-configuration to be used for implementation of a business scenario via the installation roles. When the BC Sets are activated in the development system, configuration settings are automatically carried out and saved in transport requests. If necessary, delta configuration is employed to implement further customer-specific requests that are not covered by the SAP Best Practices scenarios. The transport requests resulting from the BC Set activation and delta configuration are then imported into the quality assurance or production system.

BC Sets can document customizing settings right down to the field level, something that is very useful in an initial SAP R/3 implementation. The system then allows you to do a comparison by using the Customizing Cross-System Viewer (CCSV), this will discover any inconsistencies that exist within your configuration. Finally the BC Set functionality also relates to what is known as the IMG Activity Log which gives you the means to track and identify what changes to the settings were made, when they were made and by whom.

*BC Sets can only be activated if there is **no** production client in the system.*

There are two major types of BC sets which are commonly being used

- **Simple BC Set (BC Set)**

A BC Set can contain data from one or more IMG activities. Each IMG activity is listed separately with its Customizing objects (tables or views). The data is selected by table columns and rows, each column is a field, each row a record. There is no BC Set size restriction.

- **Hierarchical BC Set**

A hierarchical BC Set comprises several other BC Sets, which can also be hierarchical. The hierarchy can have any number of levels. It structures complex system setting data. You can delete or add lower-level BC Sets at any time.

Object which cannot put into BC Sets

- Master Data
- Transaction Data
- Repository Objects

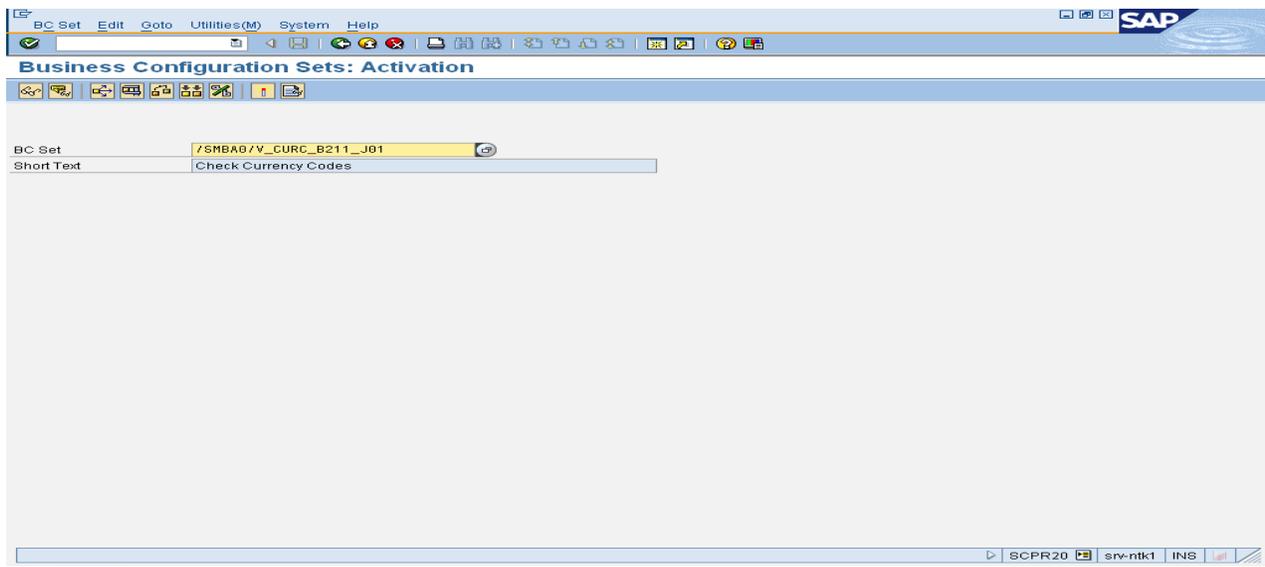
BC Sets – Areas of Usage

- Global Rollout
- Development and delivery of preconfigured systems (Best Practices)
- FDA Validation/ Customizing documentation
- Customizing Upgrade
- Quick installation of demo systems (Sales/Marketing Events)
- Customizing Distribution in mySAP.com
- Customizing Versioning
- Customizing delivery independent of release cycles
- Easy re-use of customizing
- Definition of IMG/ process relationships

Navigation Path : Choose *Tools* → *Customizing* → *Business Configuration Sets* → *Maintenance* in the SAP menu, or enter the transaction code **SCPR3** in the command field

6. Manual activation of Business Configuration (BC) Sets

Mention the BC set in the screen. T-code: **SCPR20**



Select the Expert mode and continue

Activation Options

Caution You have started the BC Set activation. If you continue, new data records will be created and/or existing ones overwritten.

Activation Information

Activated By: VENKATAA
Date/Time: 24.09.2008 / 21:14:36
System/Client: E0S / 100
Workbench Reqst: Not Required
Customizing Reqst: E0SK900016
Activation Links: Create Locally

Activation Languages:

German	<input type="checkbox"/>
English	<input type="checkbox"/>
Japanese	<input type="checkbox"/>

Activation Options

Overwrite Data

Overwrite All Data
 Default Values not Overwritten

Select Activation Mode

Default Mode (Reccomend)
 Expert Mode

Deletion Functionality

Enable for Classical BC Sets

Messages

✓ With Log

BC set is now activated.

The screenshot displays the SAP Business Configuration Sets: Activation Logs interface. The main window shows a list of messages for the activation of BC Set /SMBADV_CURC_B211_J01. The messages are as follows:

Type	BC Sets	Object	Message Text	Key Field	Infor.
Success			Main Activation Started		
Success	/SMBADV_CURC_B211_J01		BC Set /SMBADV_CURC_B211_J01 passed to activate		
Success	/SMBADV_CURC_B211_J01	V_CURC	Customizing object V_CURC passed to activation		
Success			Main Activation Ended		
Success			Reactivation started		
Success			Reactivation ended		
Success	/SMBADV_CURC_B211_J01	V_CURC	Activation of customizing object V_CURC successful		
Success	/SMBADV_CURC_B211_J01		Activation of BC Set /SMBADV_CURC_B211_J01 ended successfully		
Success			Activation successfully completed		

The interface also shows a navigation pane on the left with the following structure:

- 24.09.2008 um 21:
 - /SMBADV_CURC_B211_J01
 - 24.09.2008 um 21:
 - Messages:

The status bar at the bottom indicates the system ID SCPR20, user srv-ntk1, and the instance INS.

7. What is Solution Builder?

It is a tool developed by SAP Best Practices to develop and deploy offering. In true sense it is replacement to the SAP Best Practices installation assistant, including the same

Functions provided in the installation assistant with additional enhancements and improvements.

The solution builder enables you to:

- Create a scope based on the scenarios of an SAP Best Practices package or SAP Business All-in One offering
- Personalize settings (for example, the required enterprise structure)
- Activate the solution scope rapidly.

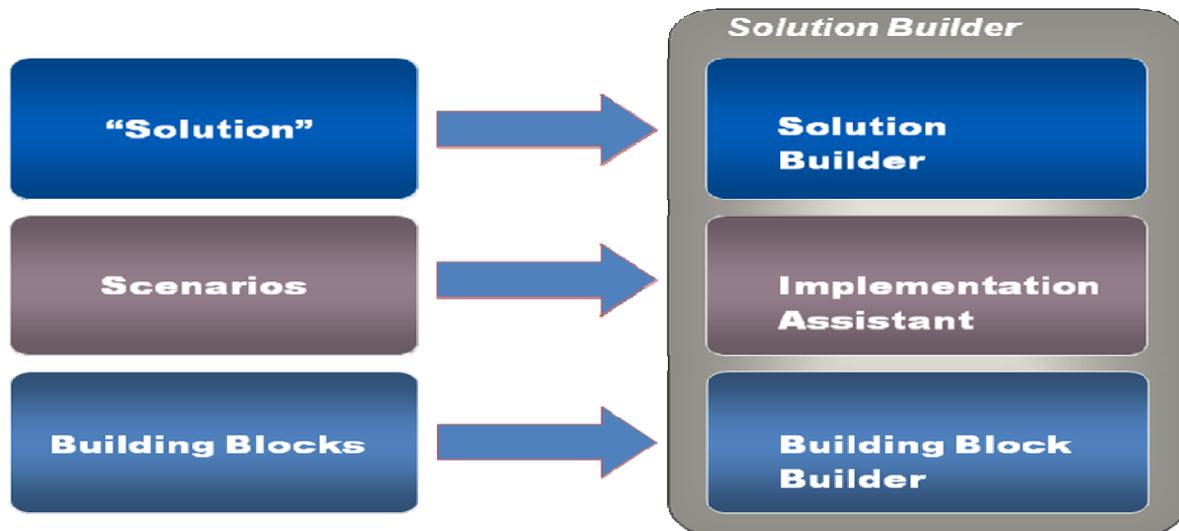
The tool automates implementation steps, saving time during implementation and reducing possibility of errors. The solution builder provides activity tracking and logging, so that you can easily troubleshoot any problems using a transparent record of the status of the activation of the solution.

The Solution Builder is **Technical add on** available free of charge within the SAP Best practices deliverables. The name of the technical add-on is **BP-INSTASS**. The Transaction code to access solution builder is **/n/smb/bbi**

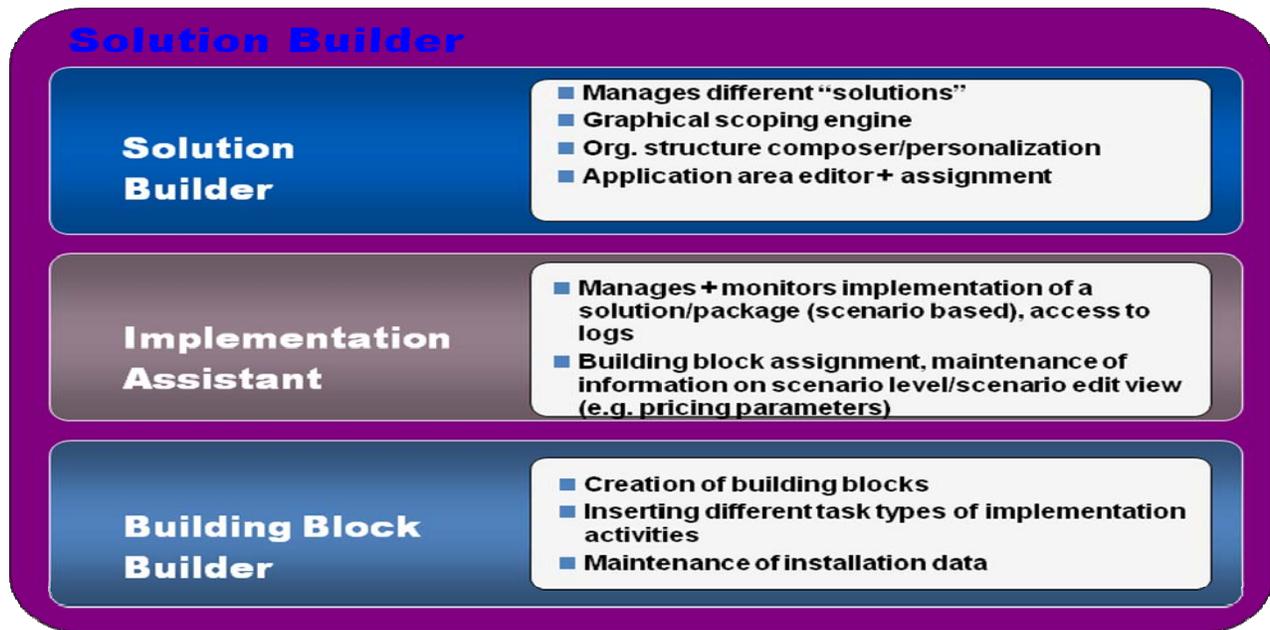
Key features are

- The Solution Builder will replace the SAP Best Practices Installation Assistant
- The Solution Builder is technically fully compatible to previous SAP Best Practices deliveries (regarding technical Implementation)
- Additional functionality for managing SAP Solutions and facilitating end-user procedures

The content components of Solution Builder are

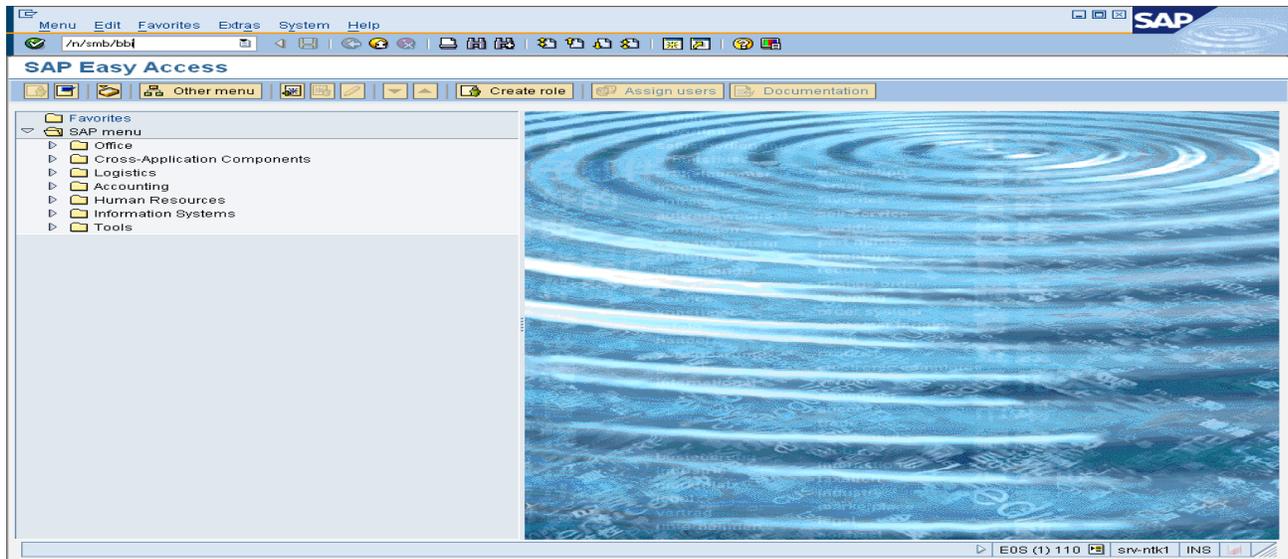


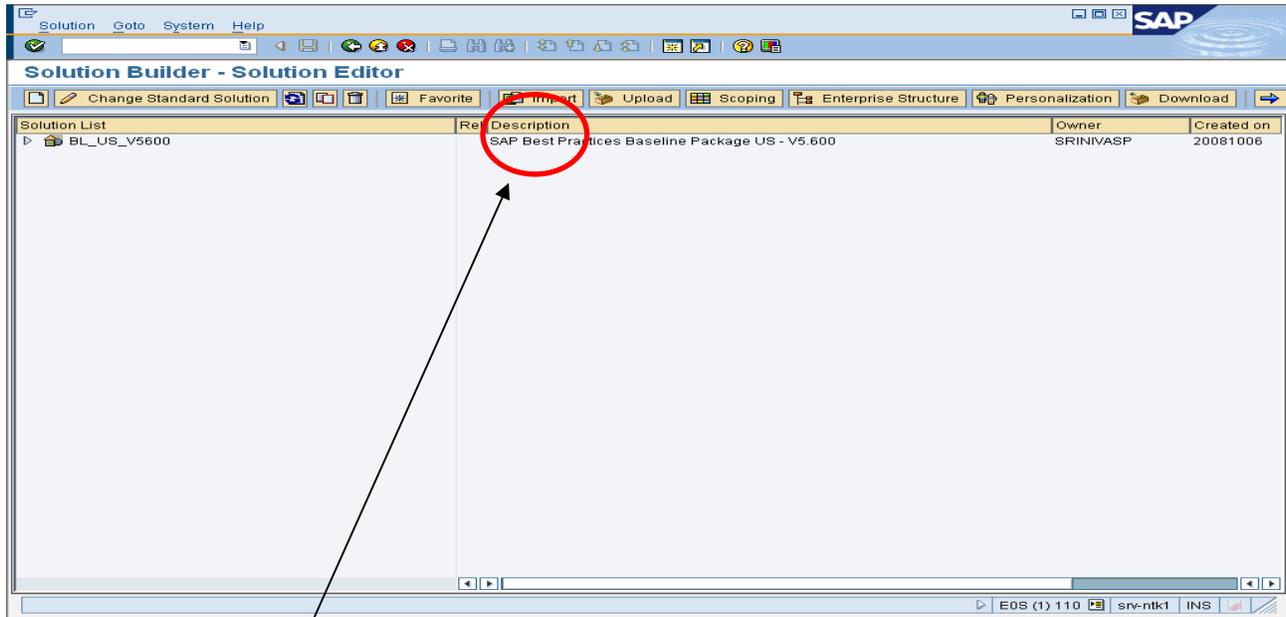
The structure of Solution Builder is



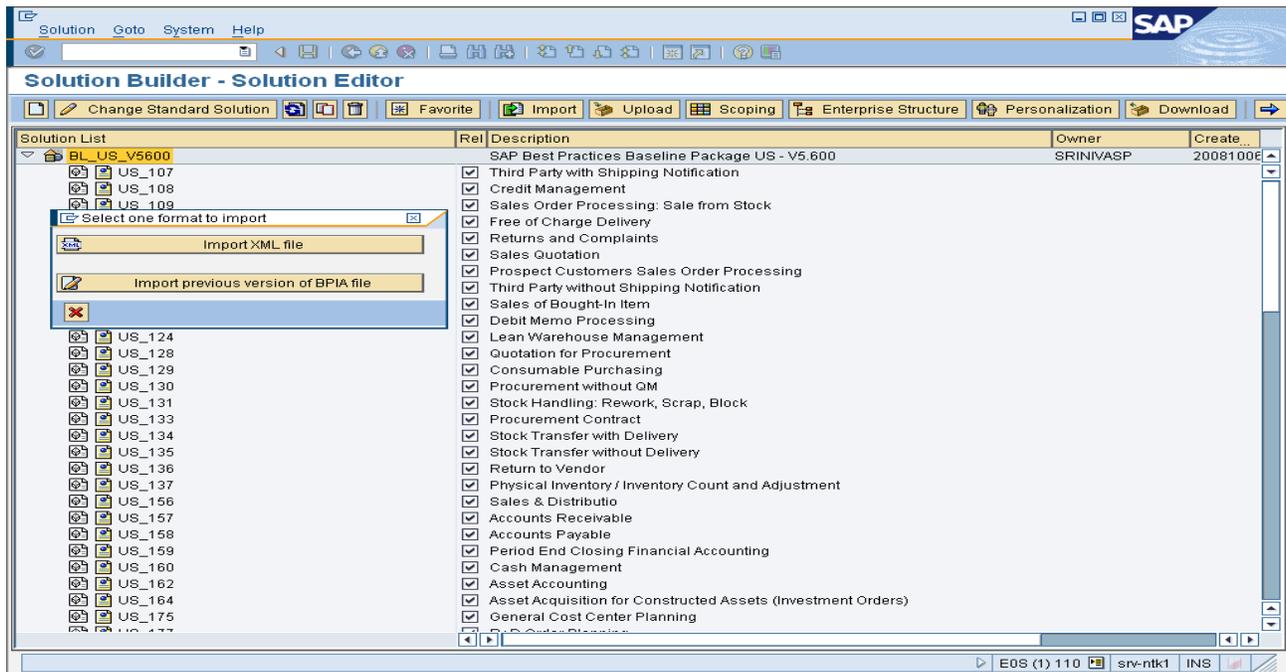
Use of Solution builder tool for activating business scenario and related configuration

Type the transaction code, `/n/smb/bbi`



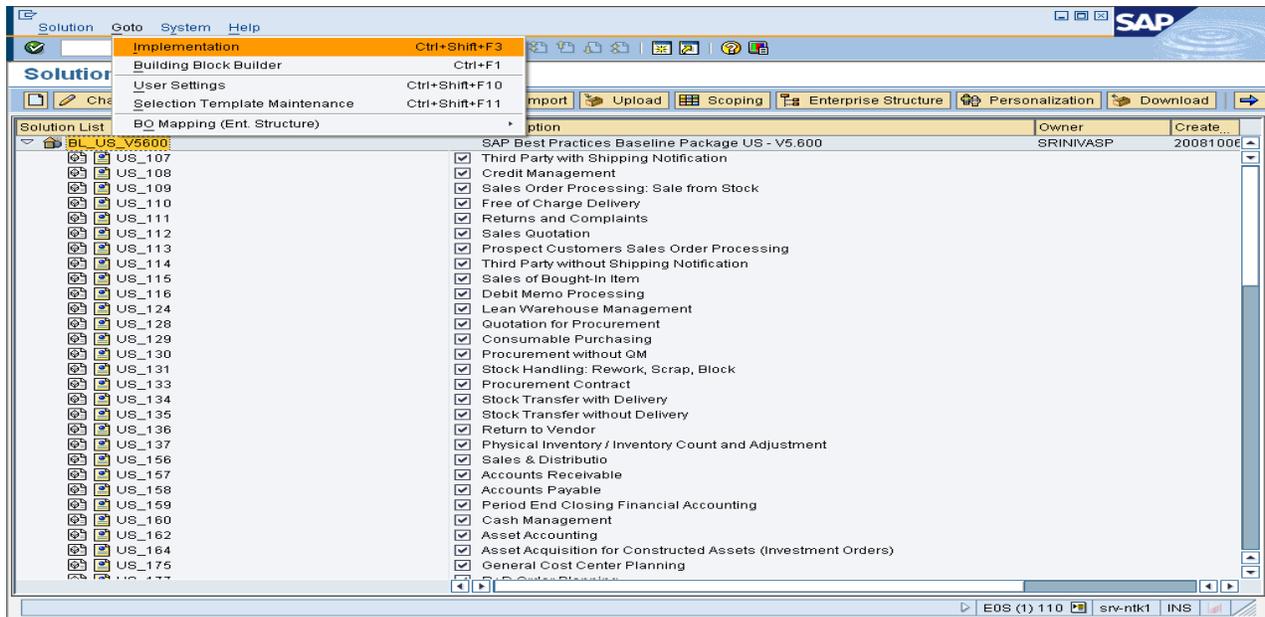


Click on Import to upload the XML file



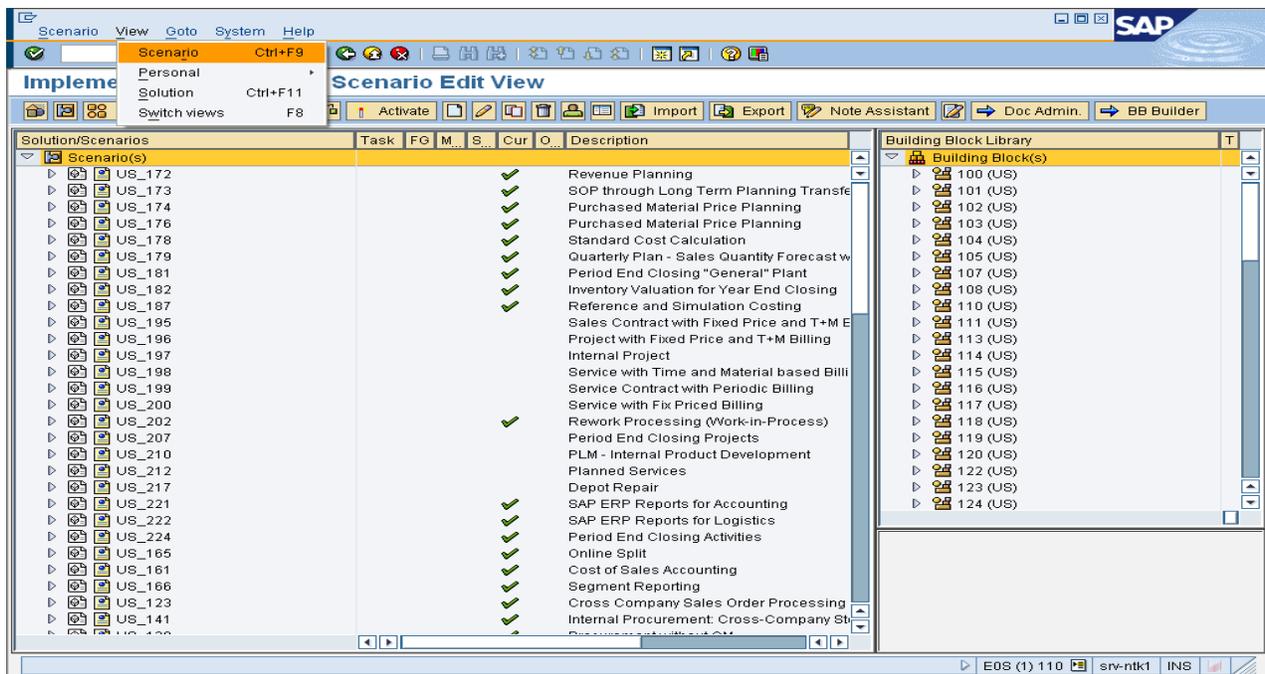
Name of the file would be, "BL_US_V5600"

After importing the XML file, select the Main menu → Goto → Implementation

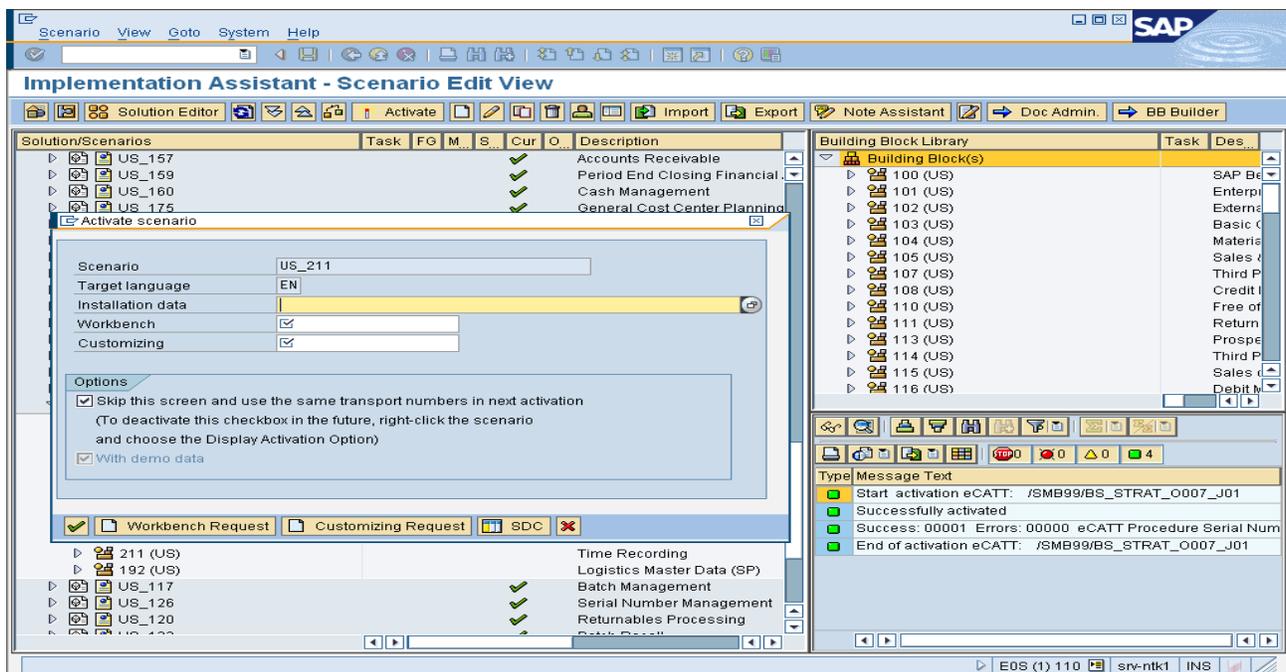
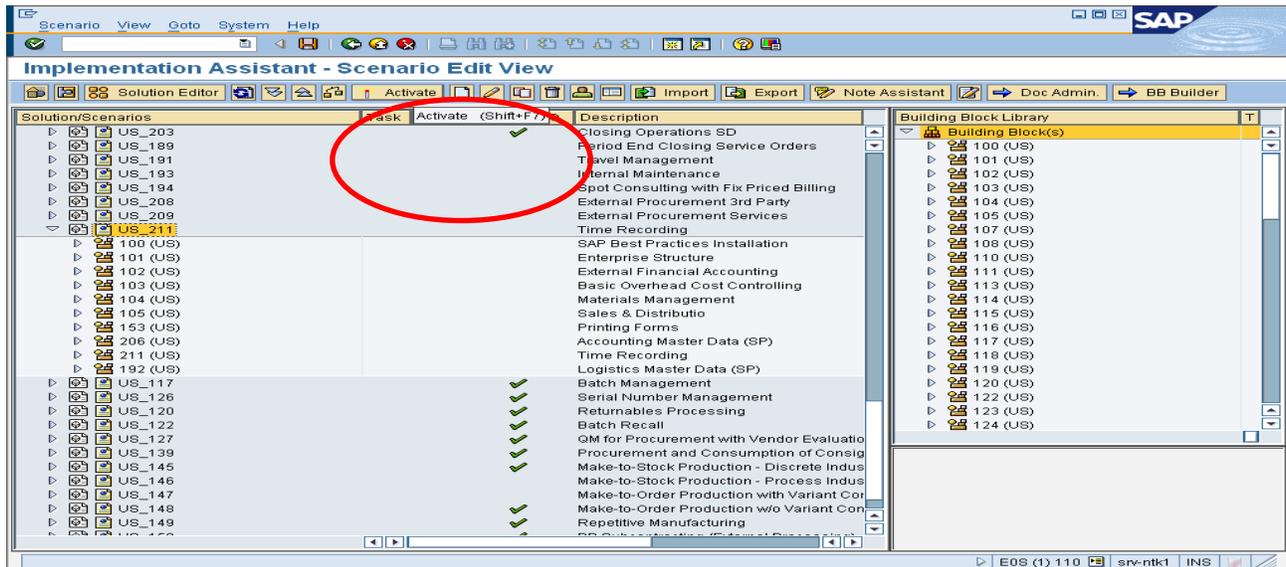


After selecting the implementation, select the main menu again

Select View and Scenario



Scenarios need to be activated as per the pre-requisites mentioned in the SAP best practices url.



On the Installation data tab, mention the path where all the text files (templates) are saved.

Create a new workbench and customizing request each.

The screenshot shows the SAP Implementation Assistant interface. The main window is titled "Implementation Assistant - Scenario Edit View". On the left, there is a tree view of "Solution/Scenarios" with various tasks listed. In the center, a dialog box titled "Activate scenario" is open, showing details for scenario "US_211". The dialog includes fields for "Scenario", "Target language", "Installation data", "Workbench", and "Customizing". Below these fields, there are options to skip the screen or use demo data. At the bottom of the dialog, there are buttons for "Continue (Shift+F5)", "Workbench Request", "Customizing Request", and "SDC". The "Continue (Shift+F5)" button is circled in red. On the right side, there is a "Building Block Library" pane showing a list of building blocks. At the bottom right, a message log shows the activation process: "Start activation eCATT: /SMB99/BS_STRAT_O007_J01", "Successfully activated", "Success: 00001 Errors: 00000 eCATT Procedure Serial Num", and "End of activation eCATT: /SMB99/BS_STRAT_O007_J01".

Click continues to activate the scenario.

This screenshot shows the same SAP Implementation Assistant interface after the activation process is complete. The "Activate scenario" dialog box is no longer visible. The "Building Block Library" pane on the right now shows a list of building blocks, including "CONFIGURATION SHOP FLOOR", "MATERIAL MASTER", "ROUTING", "BOM", "PRODUCTION VERSION", and "BATCH SEARCH STRATEGIES". The message log at the bottom right displays the following details: "Start activation eCATT: /SMB99/BS_STRAT_O007_J01", "Successfully activated", "Success: 00001 Errors: 00000 eCATT Procedure Serial Num", and "End of activation eCATT: /SMB99/BS_STRAT_O007_J01".

After the activation is completed, log would be displayed with the details.

8. Base Line Package useful Tips

- Plan your Best Practices implementation approach. (Basically check Support pack level and required OSS note before)
- Read documentation thoroughly and understand pre requisite
- Follow the sequence of activation of BC set
- Refer Configuration guide to ensure the accuracy of activation
- Follow all steps in installation guide
- Some hierarchical BC set fail during activation, best way is activate all individual BC Sets
- Study and Compare BC set activation log with customization settings
- When a CATT scripts fails in background, simply run same in foreground, give appropriate values
- Ensure all CATT variants files are, roles etc are stored in folder. Some program will require resetting the folder path.

9. Manually activation of BC Sets (Without Solution Builder)

1. Visit website <http://help.sap.com/> à Select tab SAP Best Practices Select Baseline Packages on ECC 6.0 (SAP BP Version 1.603)
2. Now select cursor on Country US (Localized for US) –English
3. One Window will get open (http://help.sap.com/bp_bl603/BL_US/html/index.htm)
4. Select option Business Information & select option Preconfigured Scenarios
5. For POC purpose Entry Level scope = Manufacturing click on this
6. Window gets updated & on right hand side corner refer option called Scenarios-by business area (Specific Business area for Mfg)
7. On below shown option click so as to open link, system will take u block diagram showing “Application Area” with detail process.

Scenarios - by Application Areas

[Scenario Map - Manufacturing Scenarios](#)

8. You can directly select one application area OR else can select each process to view all relevant documents associated with it for example a) Business details b) Technical details in new windows.
9. The Technical details consists of key document A) Configuration Guide B) Master List

10. Conclusion

One way the SAP Best Practices is methodology for brining efforts &, time reduction in project life cycle as well as getting customer confidence at early stage i.e preferably during business blue print. Once this is done, same solution system can be used during Rollout projects in case of large enterprises.

11. Related Content

For more details please refer following reference material

- <http://www.sap.com/bestpractices> (Internet)
- <http://service.sap.com/bestpractices> (SAP Service Marketplace)
- Solution Builder for SAP Business All in One –Quick start guide June 2008
- SAP_Best_Practices_executive_summary_EN presentation by SAP AG

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