



SAP Enterprise Portal Business Package Certification



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Agenda

■ Introduction to EP-BP 6.0

- Certification Criteria
- Implementation – Tips & Tricks
- Certification Test
- Summary

SAP Enterprise Portal Business Package Certification – EP-BP 6.0

- Available since SAP Enterprise Portal 6.0 – Hence EP-BP 6.0
- Verifies the structure and the deployment of the a Business Package developed by an Independent Software Vendor – ISV.

A Business Package can contain

- Roles – authorizations that can be assigned to users and groups
- Worksets – visual entities that can contain other worksets or pages.
- Pages – containers for iViews
- iViews – UI components that integrate 3rd-party products to SAP EP

iView

- An iView is an SAP proprietary technology that is analogous to a portlet.
- Can be developed using different development platforms including Java and MS .NET platforms – where SAP provides tools support



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The requirements for EP-BP 6.0 are categorized as

■ Packaging and Documentation requirements

- ◆ Business Package (BP) document must be provided in English
- ◆ Verification of the BP contents against the provided BP documentation
- ◆ Conformance of the documents with the SAP provided templates
- ◆ Verification of the documented Installation/Un-installation procedures

■ Development requirements

- ◆ Versioning and Naming
- ◆ BP Content Structure
- ◆ Implementation requirements
- ◆ Content Object Properties
- ◆ iView Properties

Note! The Business Package must contain at least one iView

Please refer to the EP-BP 6.0 Test Plan for the detailed list of requirements.

Single-Sign-On (SSO)

- iView should provide SSO to the vendor's backend system
 - ◆ If applicable (i.e. if the backend has authentication requirements)
 - ◆ Use User Mapping or SAP Logon Ticket based mechanism

Browser Independence

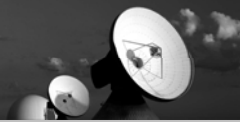
- Support at least one type of browser that is supported by SAP EP 6.0
 - ◆ Typically IE 6.0

Branding Requirement

- iView must support the look and feel attributes of the SAP EP 6.0 which can be customized per system or user.
 - ◆ SAP Portal Development Kit (for Java or MS .NET) makes it very easy

Optionally

- The correct implementation of personalization parameters
- Support for Multiple Languages
- Usage of Client Framework for each supported browser



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Now that you have the certification contract!

- A certification consultant will be assigned to your project
- You will receive an email with
 - ◆ Project Registration Document – PRD
 - ◆ Business Package Document Template
 - ◆ Portal Content Structuring Guide (a.k.a. “How to Certify...” Document)
 - ◆ EP-BP 6.0 Test Plan
- The consultant will set up a kick-off call to go over the process

First-things first!

- Complete the PRD and return to the certification consultant to reserve your namespace
 - ◆ The certification consultant will communicate necessary changes, if any.
- Read Portal Content Structuring Guide to understand the process
- Download from SDN and Install
 - ◆ SAP Enterprise Portal 6.0
 - ◆ SAP Portal Development Kit (for Java or MS .NET)
 - ◆ SAP NetWeaver Developer Studio (for Java)

Only then!

- Implement your iView(s)
- Create your Business Package
- Prepare Business Package Document and forward to the certification consultant for a review
- Schedule a certification test day with the consultant

How about support?

- SDN, SDN, SDN – <http://sdn.sap.com>
 - ◆ Software
 - ◆ Weblogs
 - ◆ Forums
 - ◆ e-Learning materials
- SAP Online Help – <http://help.sap.com/nw04>
- SAP Training
- Contact “Your” certification consultant

Test Environment – The link

- Free of charge, Sneak Preview Versions available on SDN
 - ◆ SAP Enterprise Portal 6.0
 - ◆ PDK for Java
 - ◆ PDK for MS .NET
 - ◆ SAP NetWeaver Developer Studio
- <http://www.sdn.sap.com/sdn/downloadarea.sdn>

The screenshot shows the SAP Developer Network (SDN) website. The header includes the SAP logo, 'SAP DEVELOPER NETWORK', and navigation links like 'About', 'Contact Us', 'Submit Content', 'Profile Management', and 'Log Off'. A welcome message for 'Mustafa Saglam' is displayed. The main content area is titled 'SDN Download Catalog' and contains a search bar, a list of developer areas, and a table of available downloads. The table has columns for 'Download', 'Abstract', 'Title', 'Release', and 'Updated'. The first row is circled in red.

Download	Abstract	Title	Release	Updated
		New! Sneak Preview SAP NetWeaver 04 - Enterprise Portal	EP 6.0 SP11	14 Jun 2005
		SAP Enterprise Portal Development Kit for Microsoft .NET (PDK for .NET) - 90-Day Evaluation	1.0 Patch 3	01 Jun 2005
		Portal Development Kit 6.0	EP 6.0	09 Dec 2004

Test Environment – The edition

■ Download and Install the “Java Edition” (See below)

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Developer Areas

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- Enterprise Portal
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- Business Information Warehouse
- Exchange Infrastructure
- Web Application Server
- Mobile Infrastructure
- Master Data Management
- SAP xApps
- Business One
- Technologies

Sneak Preview NetWeaver 04

Get an early peek at some of the technologies that have been developed for the next generation NetWeaver platform. This sneak preview is offered in four configurations, allowing you to choose the option most suited to your interests and needs. Each of the four configurations is offered with a 180-day evaluation license that does not allow commercial use, and has restrictions regarding stability, support, and features.

	Slim Edition (minimized memory consumption)	Java Edition	ABAP Edition	Full Edition
System Requirements	Min. 512MB, recommended 1GB RAM, Intel Pentium III/1.1 GHz or higher, 2GB hard disc space (list all requirements) Download (1.2GB)	Min. 1GB, recommended 2GB RAM, 6GB hard disc space (list all requirements) Download file 1 (1.5GB) Download file 2 (1.3GB)	Coming soon!	Coming soon!
SAP Web Application Server	Java	Java	ABAP	Java and ABAP
SAP NetWeaver Developer Studio	X	X		X

How to implement User-Mapping based Single-Sign-On

■ Two great weblogs on SDN from a colleague – Robert Chu

◆ <https://www.sdn.sap.com/sdn/weblogs.sdn?blog=/pub/wlg/960>



The screenshot shows the SAP Developer Network (SDN) interface. At the top, it says 'SAP DEVELOPER NETWORK' and 'Welcome Mustafa Saglam'. The main navigation bar includes 'Home', 'Forums', 'Weblogs', 'Downloads', 'Services', 'Events', 'Pilot', and 'DKOM'. A search bar is on the left. The main content area displays a weblog entry titled 'User Mapping-based Single Sign On' by Robert Chu, dated Nov. 30, 2004. The entry discusses implementing SAP logon ticket-based SSO and mentions that the author will discuss how to implement User Mapping. It lists several authentication methods: HTML Form-based authentication, HTTP Basic Authentication, HTTP Digest Authentication, and X.509 Client Certificate (for HTTPS).

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 **User Mapping-based Single Sign On**
Robert Chu 
[Business Card](#)
Nov. 30, 2004 06:28 PM
[Permalink](#)

In my [last blog](#), I discussed how to implement SAP logon ticket-based SSO. In this installment, I will discuss how to implement User Mapping.

When integrating a content-providing backend application (a.k.a. data source) to the portal, sometimes you may not want to change the way the backend application handles authentication, in order to accept SAP logon ticket, for example, when the application is provided by a third party. In such cases, you will need to rely on User Mapping (a.k.a. Account Aggregator SSO).

First of all, you need to **understand how the backend application handles authentication**. Take a close look at the application, and identify:

- What logon credentials, such as user name, password, are required for authentication?
- How should the credentials be presented by the portal (acting as a client) to the backend application?

If your application is a Web application accessed through HTTP, then likely one of the following methods is used for authentication:

- HTML Form-based authentication
- HTTP Basic Authentication
- HTTP Digest Authentication
- X.509 Client Certificate (for HTTPS)

If you use not HTTP but some other means, say, API calls, to access the backend application, you likely still need to provide such as user name and password to authenticate to the backend application.

Additional educational material on SDN

- At <http://sdn.sap.com> → e-Learning → SAP Enterprise Portal
 - ◆ SAP Enterprise Portal e-Learning Catalog
 - https://www.sdn.sap.com/sdn/elearning.sdn?page=eL_EP.htm

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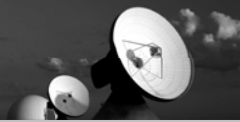
SAP Enterprise Portal eLearning Catalog

Welcome to the SAP Enterprise Portal eLearning Catalog page in the SAP Developer Network. Here you can find many eLearning sessions divided into three levels (Introductory, Technical and Development). Click on the relevant level and select the preferred session title. In the last column you can download the presentation's slides.

Please review the [technical prerequisites](#) for viewing the sessions.

Available Levels: [Beginner Courses](#) | [Intermediate Courses](#) | [Advanced Courses](#)

Presentation	Abstract	Transcript	eLearning Title	Format	Updated	Duration
			Introduction to Enterprise Portal Development Kit for .NET	eClass	Oct 2004	1 hr
			SAP User Interface Strategy: Tools and Technologies	eClass	Oct 2004	1 hr
			The Integrated SAP Internet Transaction Server in SAP Web AS	eClass	Oct 2004	1 hr
			UI Clients for SAP NetWeaver '04: An Update	eClass	Oct 2004	1 hr
			Web Dynpro UI Building Blocks	eClass	Oct 2004	1 hr
			Developing Code-Free Business Applications using Visual Composer (Beginner)	eClass	Oct 2004	2 hr



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Remote Testing possibility

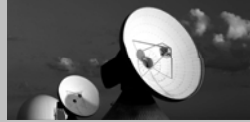
- In order to save time and to reduce associated costs, certification test can be performed over the Internet.
 - ◆ Using an Internet Collaboration tool (WebEx, MeetingPlace etc.)
- The test is performed at the ISV's machine and the certification consultant oversees the actions taken by the ISV (to install, configure etc. the Business Package) as well as usage of the iViews.
- The certification consultant might take the control if necessary

Testing in the ICC Laboratory (alternative to Remote Testing)

- Due to limited availability of the ICC Laboratory scheduling should be done in advance (~2-weeks)
- SAP Enterprise Portal system is provided by ICC
- ISV brings the required Business Package and the backend product preferably already installed in a laptop.

Test Procedure

- Test procedure follows the EP-BP 6.0 Test Plan



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EP-BP 6.0 Certification

- One of the requirements for PBNW Certification
- Criteria is outlined in the EP-BP 6.0 Test Plan
 - ◆ Packaging and Documentation Requirements
 - ◆ Development Requirements

Test Environment and Support

- Necessary software and support can be obtained from SDN
- The certification consultant is available as needed

Certification Testing

- Remote or in ICC Laboratory

Contact

- icc-americas@sap.com, (650) 849-4154