

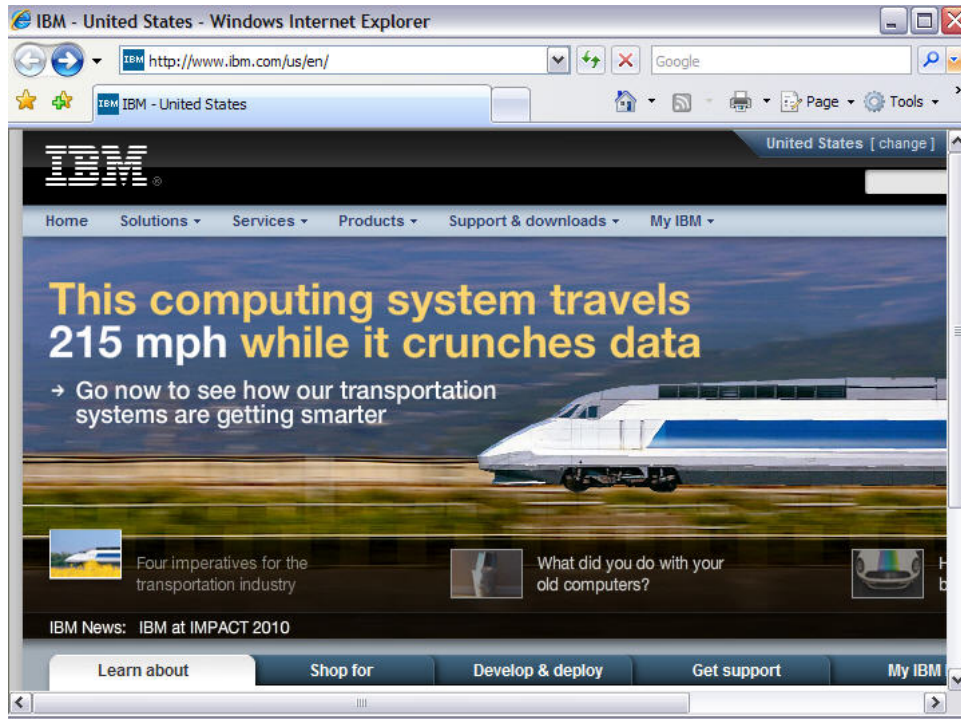
IBM WEBSHERE ADAPTER FOR SAP V7.0 – REFERENCES

WebSphere adapter for SAP references

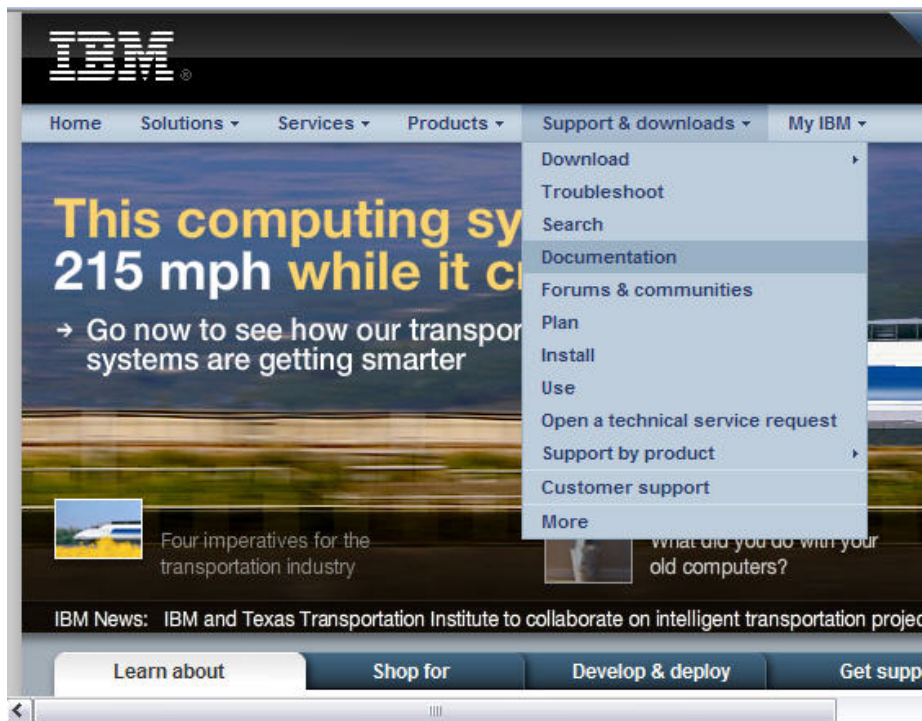
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Part 1: How to find WebSphere Adapter for SAP information center

- ___ 1. Open Web browser and type <http://www.ibm.com> in the browser address field.



- ___ 2. Click the Support & downloads
___ a. Select **Documentation**



- ___ 3. Select **WebSphere** under Software category from support type dropdown list

Support & downloads
Documentation

Get ready for complete, customized support
Experience the new IBM Support Portal

→ Try the future, today

Browse our library to find information about IBM systems, software and services products, and find answers to your questions.

Select product or service type for support

Choose support type:

Select one

Software

Information Management

Lotus

Rational

Tivoli

WebSphere

Other software

Systems

Power

System i

System p

System x

System z

BladeCenter

System Storage

Support & downloads

- Overview
- Download
- Troubleshoot
- Search
- Documentation**
- Forums & Communities
- Plan
- Install
- Use
- Open service request

- ___ 4. Select **WebSphere adapters** and click  to continue

Select product or service type for support

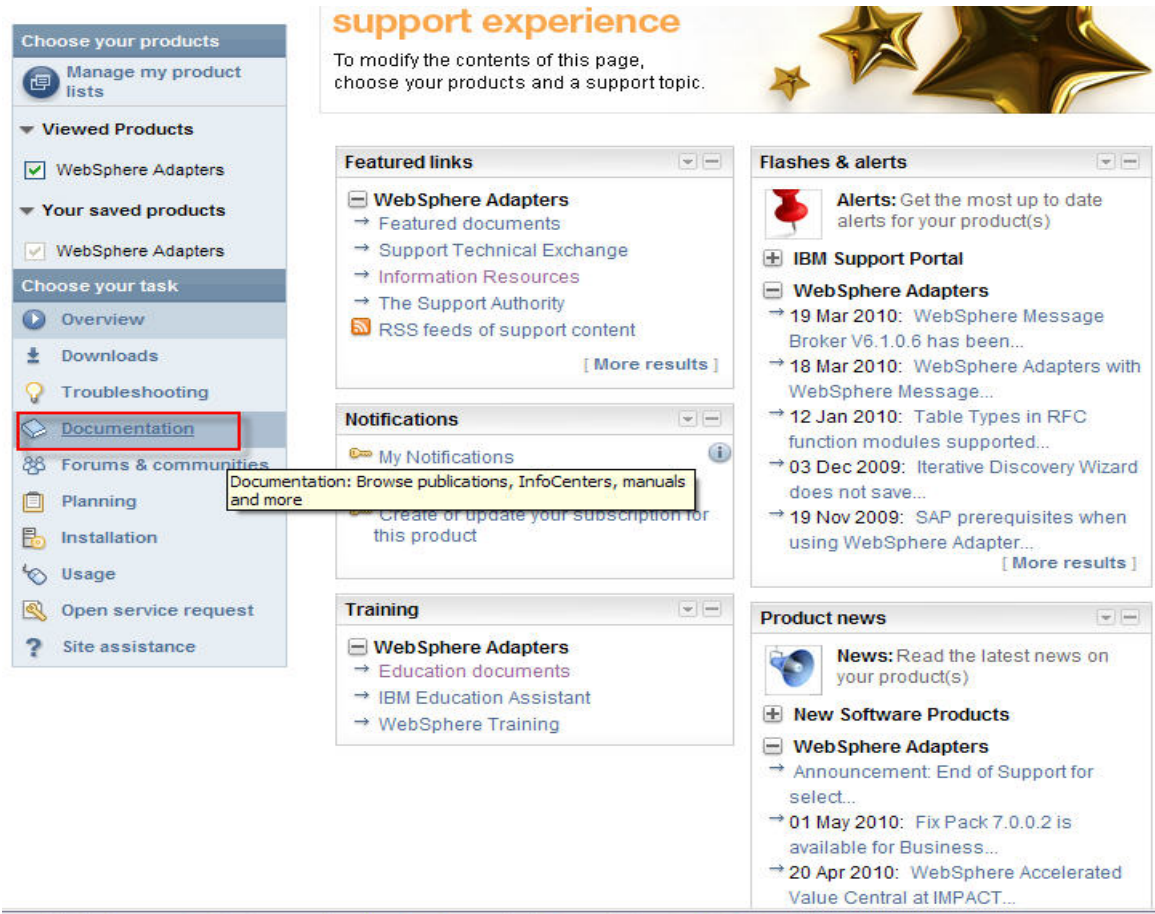
Choose support type:

WebSphere

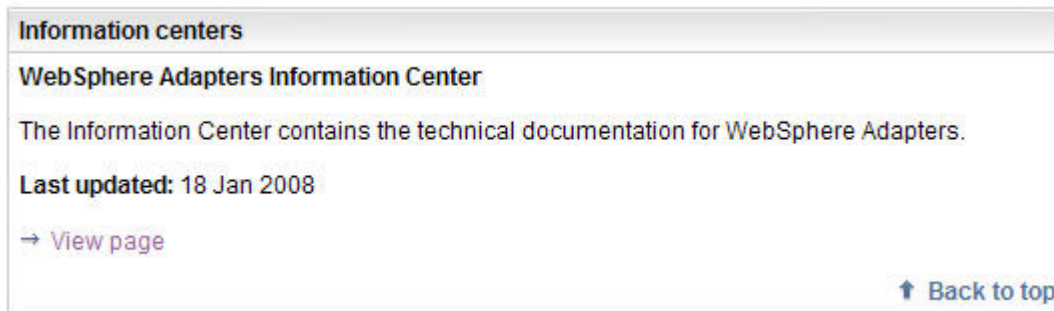
Choose a product:

WebSphere Adapters

- ___ 5. Once you are at support overview page, select **Documentation** link under Choose your task box



- ___ 6. From there, select **Information Center** under WebSphere adapters
- ___ 7. Scroll down to Information Center category and click View page to view WebSphere adapters links



- ___ 8. Click **View page** to view information centers page
- ___ 9. Select the adapter version you want to view. For example, WebSphere adapters, V7.0
 - ___ a. Option to choose to view documentation online or to download to local system.

Information Center

This page contains links to the technical documentation sets for the following versions of WebSphere Adapters:

- ↓ [WebSphere Adapters, version 7.0](#)
- ↓ [WebSphere Adapters, version 6.2](#)
- ↓ [WebSphere Adapters, version 6.1](#)
- ↓ [WebSphere Adapters, version 6.0.2, Adapter for SAP Software, fix pack 6.0.2.1, and Adapter for JDBC, fix pack 6.0.2.2](#)
- ↓ [WebSphere Adapters, version 6.0](#)
- ↓ [WebSphere Business Integration Adapters](#)

WebSphere Adapters, version 7.0

View documentation online

- ➔ [WebSphere Adapters documentation in WebSphere Integration Developer, version 7.0, information center](#)
- ➔ [WebSphere Adapters documentation in Rational Application Developer, version 7.5.5, information center](#)

Download documentation

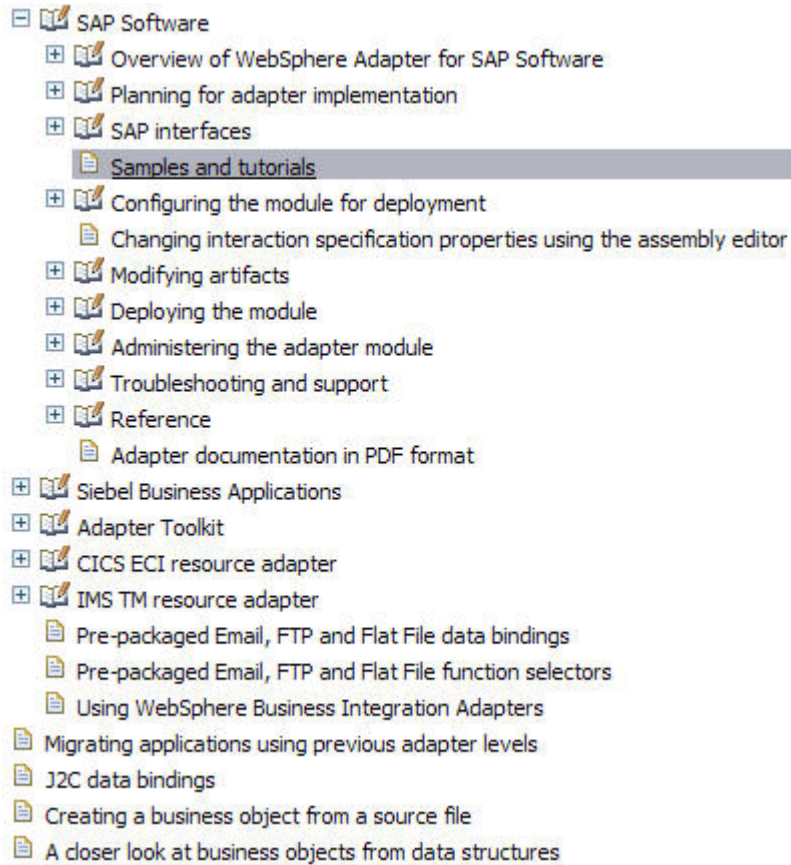
- ➔ [WebSphere Adapters documentation in WebSphere Integration Developer, version 7.0, in PDF format](#)
- ➔ [WebSphere Adapters documentation in Rational Application Develop, version 7.0, in PDF format](#)
- ➔ [WebSphere Adapters SAP and JDBC Education packages](#)

10. Select the type of adapters you want to view

The screenshot shows the IBM WebSphere Information Center interface. At the top, there's a navigation bar with 'Home', 'Products', 'Services & solutions', 'Support & downloads', and 'My account'. Below that is a search bar. The main content area is titled 'Configuring and using adapters' and includes an introductory paragraph about Enterprise Information Systems (EIS) adapters. A list of links provides access to documentation for various adapters: Email, Flat Files, FTP, IBM i, and JDBC. On the left, a 'Contents' sidebar shows a tree view of the documentation structure, with 'Configuring and using adapters' highlighted.

Part 2: Select sample from information center

___ 1. Click **Samples and Tutorials** link under SAP adapter



___ 2. Samples and Tutorials page will open on the right panel

___ 3. Click the link pointing to the samples and tutorials for WebSphere adapter

___ 4. A new pop up window opens

___ a. Expand **Adapters and Data Handlers**

WebSphere software *Business Process Management*
Samples & Tutorials

- ▣ Home V7.0
- ▣ What is new
- ▣ Getting started
- ▣ Advanced BPEL features
- ▣ Process modeling techniques
- ▣ Interaction with processes and human tasks
- ▣ Human Task features
- ▣ Mediation features
- ▣ SDO Programming
- ▣ Adapters and data handlers
 - WebSphere Adapter for Email
 - WebSphere Adapter for Flat Files
 - WebSphere Adapter for FTP
 - WebSphere Adapter for IBM i
 - WebSphere Adapter for JDBC
 - WebSphere Adapter for JD Edwards EnterpriseOne
 - WebSphere Adapter for Lotus Domino
 - WebSphere Adapter for Oracle E-Business
 - WebSphere Adapter for PeopleSoft
 - WebSphere Adapter for SAP Software
 - WebSphere Adapter for Siebel Business Applications
 - Integration Sample for WebSphere Adapters
 - Sample WebSphere Adapter for EISS

Getting started

The samples of this section are intended for beginners of business integration using adapters. They show the basic features of various adapters for enterprise information systems and technologies. They describe the most important steps for using the adapters in business integration.

Explore the samples in this section and learn how to:

- use adapters in business processes
- use the most common outbound and inbound integration scenarios using adapters
- run adapter applications in the WebSphere Integration Developer test environment
- install adapter applications on WebSphere Process Server
- uninstall adapter applications from WebSphere Process Server

Prerequisites:

- To work with the samples, basic knowledge of EIS system (e.g SAP) or technology (e.g JDBC) is required.
- To build the samples and to inspect the provided workspaces, you need WebSphere Integration Developer.
- To run the sample processes, you need WebSphere Process Server.

5. Select WebSphere Adapter for SAP system

a. The Introduction page opens on the right panel

IBM WebSphere Adapter for SAP Software Samples

| Introduction | Build it Yourself | Download |

Introduction

The samples in this section are intended for intermediate users of the WebSphere Adapter for SAP Software. They show how to use various interfaces supported by the adapter. Samples are provided for bidirectional data exchange with SAP applications.

Explore the samples in this section and learn how to:

- generate required business objects, Service descriptions and other artifacts,
- execute a BAPI in the SAP system.
- execute a BAPI Work Unit in the SAP system.
- Retrieve Resultset data using BAPIs from the SAP system.
- process synchronous callback events (RfcServer events) from the SAP system.
- retrieve SAP Application table data using Queries.
- receive IDOC events from SAP Application using ALE Interface.
- send IDocs to SAP System using ALE Interface.
- post or retrieve data to/from SAP Application using AEP custom interface.
- poll events from SAP Application using AEP custom interface.
- receive ALE IDocs using the ALE passthrough IDoc interface
- send and receive BAPIs using the qRFC protocol
- generating ALE Audit per packet during inbound processing of ALE
- ALE Audit support for pass through IDocs
- send and receive BAPIs using the tRFC protocol

6. From the download link, select to download the tutorials you want to test.

Download

WebSphere Adapter for SAP Software Samples

The following project interchange files contains the sample files for reference. To download the project interchange file, click the following links:

- sample project for executing a BAPI in the SAP system : [Tutorial1](#)
- sample project for executing a BAPI Work Unit in the SAP system : [Tutorial2.zip](#)
- sample project for retrieving Resultset data using BAPIs from the SAP system : [Tutorial3.zip](#)
- sample project for processing synchronous callback events (RfcServer events) from the SAP system : [Tutorial4.zip](#)
- sample project for retrieving SAP Application table data using Queries : [Tutorial5.zip](#)
- sample project for receiving IDOC events from SAP Application using ALE Interface : [Tutorial6.zip](#)
- sample project for sending IDocs to SAP System using ALE Interface : [Tutorial7.zip](#)
- sample project for posting or retrieving data to/from SAP Application using AEP custom interface : [Tutorial8.zip](#)
- sample project for polling events from SAP Application using AEP custom interface : [Tutorial9.zip](#)
- sample project for sending data from the SAP (inbound processing) using the SAP ALE-passthrough interface using a Generic IDoc : [Tutorial10.zip](#)
- sample project for sending data to SAP (outbound processing) using Queued RFC(qRFC) BAPI Interface : [Tutorial11.zip](#)
- sample project for sending data from SAP (INBOUND processing) using qRFC BAPI : [Tutorial12.zip](#)
- sample project for generating ALE Audit per packet (Inbound Processing ALE Interface) : [Tutorial13.zip](#)
- sample project for ALE Audit support for Pass Through IDocs (Generating ALE Audit per IDoc) : [Tutorial14.zip](#)
- sample project for sending data from SAP (INBOUND processing) using tRFC BAPI : [Tutorial15.zip](#)
- sample project for sending data to SAP (INBOUND processing) using qRFC BAPI : [Tutorial16.zip](#)

Note: These samples are for reference only. They would not work in your environment. Please see "Build It Yourself" section for generating these samples for your environment.

To import a project into WebSphere Integration Developer, perform the following steps:

1. Download the zip file to a temporary directory.
2. Switch to WebSphere Integration Developer.
3. From the menu, select **File > Import**. The import wizard opens.
4. The select page is displayed. As the import source, select **Project interchange**.
5. Click **Next**.
6. The import projects page is displayed. Click **Browse** to select the zip file.
7. Browse to the temporary directory and select the zip file you downloaded in step 1.
8. Click **Select All**.
9. Click **Finish**.

Part 3: WebSphere Adapters forum

1. You can use this link below to view frequently asked questions or add questions in this forum. We are frequently monitoring the forum and assist as much as possible.

<http://www.ibm.com/developerworks/forums/forum.jspa?forumID=2157&start=0>

Part 4: SAP enterprise information system related information

___ 1. Resources related to SAP Enterprise Information System

<http://help.sap.com>

___ 2. Resources related to SAP Support

<https://websmp103.sap-ag.de/support>

<http://www.sdn.sap.com/irj/sdn>

___ 3. Resources related to SAP JCo drivers

<http://wiki.sdn.sap.com/wiki/display/SI/Java+Connectivity>

Part 5: Runtime and tools document link

WebSphere Adapter for SAP Software can be used to exchange data with an SAP system.

The adapter is supported on a multitude of tool and runtime solutions, the popular ones being WebSphere Integration Developer with WebSphere Process Server or WebSphere Enterprise Service Bus, WebSphere Message Broker Toolkit with WebSphere Message Broker, Rational Application Developer, and WebSphere Application Server.

___ 1. Technical resources to help you answer questions related to runtime and tools

___ a. WebSphere Process Server documentation

<http://www-01.ibm.com/software/integration/wps/library/>

___ b. WebSphere Integration Developer documentation

<http://www-01.ibm.com/software/integration/wid/library/>

___ c. WebSphere Application Server documentation

<http://www-01.ibm.com/software/webservers/appserv/was/library/>

___ d. Rational Application Developer documentation

<http://www-01.ibm.com/software/awdtools/resources/rad.html>

___ e. WebSphere Message Broker (and Toolkit) documentation

<http://www-01.ibm.com/software/integration/wbimessagebroker/>

Part 6: Useful links for WebSphere adapter for SAP

____ 1. Deploying WebSphere adapters in a clustered environment

http://www.ibm.com/developerworks/websphere/library/techarticles/0909_jain/0909_jain.html

____ 2. Samples and tutorials

<http://publib.boulder.ibm.com/bpcsamp/index.html>

____ 3. Compatibility matrix

http://www-1.ibm.com/support/docview.wss?rs=695&context=SSMKUK&dc=DB520&dc=DB560&uid=swg21252626&loc=en_US&cs=utf-8&lang=en