



webMethods SAP Adapter Installation Guide

VERSION 6.5

webMethods, Inc.
South Tower
3877 Fairfax Ridge Road
Fairfax, VA 22030
USA
703.460.2500
<http://www.webmethods.com>

webMethods Access, webMethods Administrator, webMethods Broker, webMethods Dashboard, webMethods Developer, webMethods Fabric, webMethods Glue, webMethods Installer, webMethods Integration Server, webMethods Mainframe, webMethods Manager, webMethods Modeler, webMethods Monitor, webMethods Optimize, webMethods Portal, webMethods Servicenet, webMethods Trading Networks, and webMethods Workflow are trademarks of webMethods, Inc. webMethods and the webMethods logo are registered trademarks of webMethods, Inc.

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Contents

■ Overview	3
■ Requirements	3
■ Installing the SAP Adapter 6.5	5
■ Upgrading to the SAP Adapter 6.5	8
■ Uninstalling the SAP Adapter 6.5	9

Overview

This guide provides system requirements for the webMethods SAP Adapter 6.5 and explains how to install and uninstall the webMethods SAP Adapter 6.5.



Important! The information in this guide might have been updated since the guide was published. Go to the webMethods Advantage Web site at <http://advantage.webmethods.com> for the latest version of the guide.

If you install the SAP Adapter with webMethods components such as the webMethods Integration Server (prerequisite), see the *webMethods Installation Guide* for instructions on installing those components.

Requirements

This section provides system requirements for the SAP Adapter 6.5.

Platform and Operating System Requirements

The SAP Adapter supports the platforms listed below. See the *webMethods Installation Guide* for information about which of these platforms your version of the Integration Server supports.

- Microsoft Windows 2003 Standard and Enterprise
- Sun Solaris 9 and 10
- HP-UX 11i
- AIX 5.2 and 5.3
- Red Hat Linux 3.0
- SUSE Linux 9

JVM Support

The SAP Adapter supports the same JVMs that are supported by the Integration Server and the SAP Java Connector (JCo).

Software Requirements

webMethods Components

The table below lists the webMethods components you must install before you install the SAP Adapter. The table also lists the webMethods components you must install at some point for the SAP Adapter to operate fully.

Required for Installation	Required for Operation
Integration Server 6.5	Developer 6.5

SAP Components

The SAP Adapter works with SAP system versions 3.1h and higher.

The SAP Adapter uses the following SAP Java Connector (JCo) libraries:

- `librfc*.*`
- `*sapjcorfc.*`
- `sapjco.jar`
- `sapidoc.jar`
- `sapidocjco.jar`

See [“Add the Libraries to the Integration Server Classpath” on page 7](#) for more information about downloading and installing these files.

Hardware Requirements

For basic use, the SAP Adapter has no hardware requirements beyond those of the webMethods Integration Server. The *webMethods SAP Adapter User's Guide* includes a detailed discussion for determining hardware requirements for heavily used SAP Adapters.

Installing the SAP Adapter 6.5

The information in this section provides instructions for installing the SAP Adapter 6.5 using the webMethods Installer. These instructions are meant to be used along with the instructions provided in the *webMethods Installation Guide*. Note that the instructions provided in this section are specific to the webMethods Installer wizard, not other installation options such as from an installation script or from a command line.

After you finish installing the adapter, you need to set the directory where RFC trace files will be stored, and add SAP IDoc and SAP JCo libraries to the Integration Server classpath. Instructions for completing these steps are also provided in this section.

You must install the SAP Adapter 6.5 on the same machine as the Integration Server. The webMethods Installer will automatically install the SAP Adapter in the *IntegrationServer_directory\packages* directory.



Note: If you are installing the webMethods SAP Adapter in a clustered environment, you must install the webMethods SAP Adapter on each webMethods Integration Server in the cluster, and each installation must be identical. For more information about working with the webMethods SAP Adapter in a clustered environment, see the *webMethods SAP Adapter User's Guide*.

Install the Adapter

 To install the SAP Adapter 6.5

- 1 Download the webMethods Installer from the webMethods Advantage Web site at <http://advantage.webmethods.com>.
- 2 If you are installing the adapter on an existing installation of the Integration Server, shut down the server if it is running.
- 3 Start the webMethods Installer and follow the instructions in the wizard.
- 4 Specify the webMethods installation directory (by default, webMethods6).
- 5 In the component selection list, navigate to **Adapters ▶ SAP Adapter 6.5** and then select **Documentation and Program Files**.



Note: If you are installing on a machine that hosts webMethods Developer, also select **Developer ▶ Plug-in for SAP Adapter**.

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- 6 Complete the steps in the webMethods Installer wizard.
 - 7 After you finish installing the adapter, you must complete the following steps:
 - [“Set the Directory for the RFC Trace Files” on page 6](#)
 - [“Add the Libraries to the Integration Server Classpath” on page 7](#)

Set the Directory for the RFC Trace Files

In order to manage RFC trace files from the Administrator UI, the SAP Adapter 6.5 requires that these files be stored in the *IntegrationServer_directory\packages\WmSAP\logs* directory.



Important! If you do not complete this step, the RFC trace files will be stored in the root directory of the Integration Server. You will not be able to view or manage these files in the Administrator UI.

To set the directory in which to store RFC trace files

- On Windows:

In the `server.bat` file, after `SET IS_DIR`, add the following line:

```
SET RFC_TRACE_DIR=%IS_DIR%\packages\WmSAP\logs
```

- On Unix:

In the `server.sh` file, after defining `IS_DIR`, add the following lines:

```
RFC_TRACE_DIR=${IS_DIR}/packages/WmSAP/logs  
export RFC_TRACE_DIR
```

Add the Libraries to the Integration Server Classpath

The Integration Server requires access to some SAP libraries. Place these libraries in the server's classpath as described below.

To add the JCO libraries to the Integration Server classpath

- 1 Download the latest 2.1.* version of the following archive files from the SAP Support Portal of the [SAP Service Marketplace](#):



Note: Use only version 2.1.* files. Compatibility with new major releases of these files is not guaranteed.

- `sapjco-platform-*.*` from Connectors ▶ SAP Java Connector ▶ Tools and Services ▶ SAP JCO Release.
- `sapidoc-*.*` from Connectors ▶ SAP Java Connector ▶ SAP Java IDoc Class Library ▶ SAP Java Base IDoc Class Library.
- `sapidocjco-*.*` from Connectors ▶ SAP Java Connector ▶ SAP Java IDoc Class Library ▶ SAP Java Connector IDoc Class Library.

- 2 Extract libraries from the archive files into specific directories of your installation.



Important! If you installed on Unix, you must add the directory where you installed the native libraries to a global library path environment variable.

- a Extract the following files, as follows:

From zip file	This file	To this directory
	<code>librfc*.*</code>	<code>IntegrationServer_directory\lib\</code>
<code>sapjco-platform-*.*</code>	<code>*sapjcorfc.*</code>	<code>IntegrationServer_directory\lib\</code>
	<code>sapjco.jar</code>	<code>IntegrationServer_directory\packages\WmSAP\code\jars\static\</code>
<code>sapidoc-*.*</code>	<code>sapidoc.jar</code>	<code>IntegrationServer_directory\packages\WmSAP\code\jars\static\</code>
<code>sapidocjco-*.*</code>	<code>sapidocjco.jar</code>	<code>IntegrationServer_directory\packages\WmSAP\code\jars\static\</code>

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- b For Unix installations, set the path for the environment variable, as follows:

On...	Set the...
Linux	LD_LIBRARY_PATH environment variable to <i>jcolib_install_path</i> .
SUN Solaris	LD_LIBRARY_PATH environment variable to <i>jcolib_install_path</i> .
IBM AIX	LIBPATH environment variable to <i>jcolib_install_path</i> .
HP-UX	SHLIB_PATH environment variable to <i>jcolib_install_path</i> .
HP Tru64	LD_LIBRARY_PATH environment variable to <i>jcolib_install_path</i> .



Important! Ensure that older versions of the native libraries are not already in your path.

- 3 Restart the Integration Server if you stopped it in [step 2 on page 5](#).



Important! If you installed the SAP Adapter on a Windows machine running SAP 6.40 and the SAP Adapter does not appear in the Adapters list in the Integration Server:

As of SAP release 6.40, SAP uses the Visual Studio.NET 2003 Compiler for x86 Windows (32 bit). Required dynamic link libraries (DLLs) are usually installed with SAPinst during the installation. However, if you only use individual programs from SAP 6.40 or higher, the required DLLs may be missing from your system. See the resolution as described in SAP note 0000684106. The complete SAP note can be found at <http://service.sap.com/notes>.

Upgrading to the SAP Adapter 6.5

The SAP Adapter 6.5 does not support upgrading from previous versions of the SAP Adapter.

Uninstalling the SAP Adapter 6.5

The information in this section provides instructions for uninstalling the SAP Adapter. These instructions are meant to be used along with the instructions provided in the *webMethods Installation Guide*.



Note: The uninstaller does not delete any user-defined SAP Adapter components such as connections, adapter services, and adapter notifications. Because these components will not work without the adapter being installed, you should delete them manually before you uninstall the adapter if you do not intend to re-install the adapter at a later time.

To uninstall the SAP Adapter 6.5

- 1 Shut down the Integration Server.



Note: The instructions in the *webMethods Installation Guide* say to shut down all webMethods components and applications that are running on your machine. For the SAP Adapter, you only need to shut down the Integration Server.

- 2 Start the webMethods Installer's uninstall process, selecting the webMethods installation directory on which the SAP Adapter is installed.
- 3 In the component selection list, navigate to **Adapters** ▶ **SAP Adapter 6.5** and then select **Documentation and Program Files**.
- 4 Complete the steps in the webMethods Installer wizard.
- 5 Restart the Integration Server if you stopped it in [step 1](#).

The uninstaller removes all SAP Adapter-related files that were installed into the *IntegrationServer_directory*\packages\WmSAP directory; however, the uninstaller does not delete files created after you installed the SAP Adapter (for example, jar files copied into *IntegrationServer_directory*\packages\WmSAP\code\jars\static\ or configuration files), nor does it delete the directory structure that contains the files.

If you do not want to save the files the uninstaller did not delete, navigate to the *IntegrationServer_directory*\packages directory and delete the WmSAP directory.

