

**PUBLIC**

**Component Installation Guide**



# **J2EE Adapter Engine (PI/XI) for SAP NetWeaver 2004s**

**Target Audience**

- System administrators
- Technology consultants

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#### **Documentation in the SAP Service Marketplace**

You can find this document at the following address:

[service.sap.com/instguides](http://service.sap.com/instguides)

## Typographic Conventions

Example	Description
<i>Example Text</i>	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options.
<b>Example Text</b>	Emphasized words or phrases in body text, titles of graphics and tables.
EXAMPLE TEXT	Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.
<i>Example Text</i>	Screen output. This includes file and directory names and their paths, messages, names of variables and parameters, source code as well as names of installation, upgrade and database tools.
<b>Example Text</b>	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<ExampleText>	Variable user entry. Pointed brackets indicate that you replace these words and characters with appropriate entries.
<b>Example Text</b>	Keys on the keyboard, for example, function keys (such as <b>F2</b> ) or the <b>ENTER</b> key.

## Document History



### Caution

Before you start the implementation, make sure you have the latest version of this document.

You can find the latest version in SAP Service Marketplace at the following internet address:

[service.sap.com/instguides](http://service.sap.com/instguides).

The following table provides an overview on the most important document changes.

Version	Date	Description
1.0	10/24/2005	Initial Version

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# 1 Introduction

## 1.1 Target Audience

- System administrators
- Technology consultants

## 1.2 Before You Start

### 1.2.1 SAP Notes for the Installation

You must read the following SAP Notes **before** you start the installation. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation.

Make sure that you have the up-to-date version of each SAP Note which you can find on the SAP Service Marketplace at [service.sap.com/notes](http://service.sap.com/notes).

SAP Note Number	Title	Description
<a href="#">858806</a>	Adapter Engine Installation for SAP NetWeaver 2004s	Adapter Engine-specific information about the installation and corrections to this documentation
<a href="#">855498</a>	Inst. Prerequisite Checker SAP Systems Based on NW04s	SAP Software on UNIX and Windows: Checking OS Dependencies for installation of SAP systems based on SAP NetWeaver 2004s (mySAP ERP 2005, mySAP CRM 2005, mySAP SRM 5.0)
<a href="#">856272</a>	SAP Software on UNIX — OS Dependencies SAP systems based on SAP NetWeaver 2004s	Operating-system specific information about the SAP system installation and corrections to this documentation
<a href="#">851251</a>	SAP NetWeaver 2004s Installation on UNIX	UNIX-specific information about the SAP system and corrections to this documentation
<a href="#">848950</a>	SAP NetWeaver 2004s Installation on Windows	Windows-specific information about the SAP system installation and corrections to this documentation
<a href="#">847173</a>	DB6: SAP NetWeaver 2004s Installation on Windows	Platform-specific information about the SAP system installation (ABAP and Java) and corrections to this documentation

## 1.2.2 Information Available on SAP Service Marketplace

More information is available as follows on SAP Service Marketplace.

Documentation

Description	Internet Address	Title
Master Guide for SAP NetWeaver 2004s	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Master Guide — SAP NetWeaver 2004s</i>
List of media for installation or upgrade for SAP NetWeaver 2004s	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Media Information for SAP NetWeaver 2004s</i>
Installation of SAP NetWeaver 2004s	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Installation Guide — SAP NetWeaver 2004s</i> <Techn. Stack> on <OS>: <Database>
Installation of SAP Solution Manager	<a href="http://service.sap.com/instguides">service.sap.com/instguides</a> <sup>®</sup> SAP Components <sup>®</sup> SAP Solution Manager <sup>®</sup> Release NW2004s	<i>Installation Guide — SAP Solution Manager NW2004s on &lt;OS&gt;: &lt;Database&gt;</i>
Configuration of SAP Solution Manager	<a href="http://service.sap.com/instguides">service.sap.com/instguides</a> <sup>®</sup> SAP Components <sup>®</sup> SAP Solution Manager <sup>®</sup> Release NW2004s	<i>Configuration Guide — SAP Solution Manager NW2004s on &lt;OS&gt;: &lt;Database&gt;</i>
Patching of SAP NetWeaver 2004s scenarios	<a href="http://service.sap.com/maintenanceNW2004s">service.sap.com/maintenanceNW2004s</a>	<i>Support Package Stack Guide — SAP Netweaver 2004s Support Package Stack &lt;current stack&gt;</i>
Upgrade to SAP NetWeaver 2004s	<a href="http://service.sap.com/upgradeNW2004s">service.sap.com/upgradeNW2004s</a>	<i>Upgrade to SAP NetWeaver 2004s</i>
Installation of SAP NetWeaver Developer Workplace	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Installation Guide — SAP NetWeaver Developer Workplace</i>
Installation of SAP NetWeaver Developer Studio	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Installation Guide — SAP NetWeaver Developer Studio</i>
Installation of the SAP System Landscape Directory (SLD)	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Post-Installation Guide — SAP System Landscape Directory on SAP NetWeaver 2004s</i>
Front End installation	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Front End Installation Guide (this guide is available on the SAP Presentation DVD)</i>
Homogeneous and heterogeneous system copy for SAP systems based on NetWeaver 2004s	<a href="http://service.sap.com/installNW2004s">service.sap.com/installNW2004s</a>	<i>Homogeneous and Heterogeneous System Copy for SAP Systems based on SAP NetWeaver 2004s</i>



## 2 Planning

### 2.1 Special Considerations for the Adapter Environment

There are the following installation options for the Adapter environment:

- Adapter Engine that is to be installed on a SAP NetWeaver 2004s Java system
- Plain J2SE Adapter Engine that can be installed in a non-SAP Java environment.

#### 2.1.1 J2EE Adapter Engine (PI/XI) vs. SAP NetWeaver Process Integration (XI)

The J2EE Adapter Engine is also installed automatically with the SAP NetWeaver Process Infrastructure installation, but one of its components needs to be installed on the business systems in addition, others could be installed under certain circumstances on the business systems, too. The following applies:

- Using the Java Proxy environment (server or runtime) always requires installing the **J2EE Adapter Engine** separately on a Java-only system.
- You can use the already installed adapters (*File/JMS/JDBC/SOAP/RNIF* etc.) on the **Process Integration (XI)** server if required.
- Under certain circumstances, it may be more suitable for you to run one or more required adapters on the business system(s) or the J2EE engine. (See table below for advantages when running on a business system). Only in this case you need to install the **J2EE Adapter Engine** again on the business system (optional, not mandatory).

Here are some considerations that may help you to decide when to install the adapters on the business systems:

Installation Host	Advantages	Disadvantages
Adapter on the XI host (automatically installed) or the J2EE engine (Decentral Adapter Engine)	<ul style="list-style-type: none"> <li>■ No additional installation procedure required</li> <li>■ Suitable for development or test scenarios</li> </ul>	<ul style="list-style-type: none"> <li>■ Data source (file, database, JMS provider) must be accessible using NFS, tcp-ports and so on (may be only available in homogeneous LAN environments).</li> <li>■ Possible performance bottleneck due to high RAM needs. The system needs three times the amount of the maximum message size as RAM, for example.</li> </ul>
Adapter on the business system itself ( <b>Plain J2SE Adapter Engine</b> )	<ul style="list-style-type: none"> <li>■ Installation possible on Non-released SAP Netweaver platforms</li> <li>■ Only HTTP connection required between adapter and Integration server. Suitable for a more</li> </ul>	<ul style="list-style-type: none"> <li>■ Additional installation procedure required for JDK and adapter itself.</li> </ul>

Installation Host	Advantages	Disadvantages
	heterogeneous system landscape with mixed operating systems and authorization concepts, or for distributed WAN environments with firewalls and so on.	

## 2.1.2 J2EE Adapter Engine (PI/XI) versus Plain J2SE Adapter Engine (PI/XI)

Both installation options contain the following adapters:

- File Adapter
- JMS Adapter
- JDBC Adapter
- SOAP Adapter


The Plain J2SE Adapter Engine is designed to run those adapters on non-SAP NetWeaver released platforms.

The following table describes the advantages and disadvantages of using those adapters in the different flavors **J2EE Adapter Engine** or **Plain J2SE Adapter Engine**:

Installation Option	Advantages	Disadvantages
<b>J2EE Adapter Engine (PI/XI)</b>	Provides complete integration into the PI environment: <ul style="list-style-type: none"> <li>■ Central Monitoring available</li> <li>■ Central Configuration available</li> </ul>	More resources needed for installing the SAP NetWeaver 2004s Java system.
<b>Plain J2SE Adapter Engine (PI/XI)</b>	<ul style="list-style-type: none"> <li>■ Less resources needed when running in a Java environment only</li> <li>■ Supports non-SAP NetWeaver platforms</li> </ul>	Less integration into the XI environment due to lack of central configuration and monitoring services.

## 3 Preparation


### 3.1 Preparing the Installation DVDs

 Recommendation

We recommend that you make all required DVDs available **in parallel**.

 Caution

The DVD names listed below are **abbreviated**.

You can find the **full names** in *Media Information for SAP NetWeaver 2004s* on SAP Service Marketplace at [service.sap.com/instguidesNw2004s](http://service.sap.com/instguidesNw2004s)  *Installation*

The following DVDs are required for the installation of an Adapter Engine for Netweaver 2004s:

- *SAP Business Suite 2005 Installation Master DVD*
- *SAP NetWeaver 2004s Java DVD*

Use one of the following methods to make DVDs available in parallel:

- Before the installation:
  - Have sufficient DVD drives
  - Copy DVDs manually to local hard disks
- During the installation:
  - Use the *SAPinst DVD/CD Browser Dialog*. That is, you can check the entered location and then copy the entire DVD to the path you entered in column *Copy Package to*.

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## 4 Installation Process

Only valid for: Windows

### 4.1 Installing the J2EE Adapter Engine on Windows



#### Note


Note the following about SAPinst:

- SAPinst normally creates the installation directory `sapinst_instdir` where it keeps its log files, and which is located directly below the `Program Files` directory. If SAPinst is not able to create `sapinst_instdir` directly below the `Program Files` directory, SAPinst tries to create `sapinst_instdir` in the directory defined by the environment variable `TEMP`.
- The SAPinst Self-Extractor extracts the executables to a temporary directory (`TEMP`, `TMP`, `TMPDIR`, or `SystemRoot`). These executables are deleted after SAPinst has stopped running. Directories with the name `sapinst_exe.xxxxxx.xxxx` sometimes remain in the temporary directory. You can safely delete them. In the temporary directory you can also find the SAPinst Self-Extractor log file `dev_sel_fex.out`, which might be useful if an error occurs.



#### Caution

If SAPinst cannot find a temporary directory, the installation terminates with the error `FC0-00058`.

- If you want to terminate SAPinst and the SAPinst Self-Extractor, do one of the following:
  - Right-click the icon for the SAPinst output window located in the Windows tray and choose *Exit*.
  - Click the icon for the SAPinst output window located in the Windows tray and choose *File*  *Exit*.

#### Prerequisites




- You are logged on as user with the required rights and privileges that authorize you to install the SAPinst tool and the SAP system.
  - If you are installing a second or subsequent SAP system into an existing database, make sure that the database is **up and running before** starting the installation.
1. Insert the *SAP NetWeaver 2004s Installation Master DVD* in your DVD drive or mount it locally.
  2. Start SAPinst from the *SAP NetWeaver 2004s Installation Master DVD* by double-clicking `sapinst.exe` from the following path:  
**<DVD drive>:\IM\_WINDOWS\_<platform>**  
SAPinst GUI starts automatically by displaying the *Welcome* screen.

However, if there is only one component to install, SAPinst directly displays the first input dialog without presenting the *Welcome* screen.



Note





SAPinst uses the ports 21212 during the installation for communication with SAPinst GUI. You get an error message if one of these ports is already used by another service. In this case, open a command prompt and change to: `<DVD drive>:\IM_WINDOWS_<platform>`.  
Run `sapinst.exe SAPINST_DIALOG_PORT=<free_port_number>`

3. If you want to check your hardware and software requirements **before** the installation, choose *SAP NetWeaver 2004s*  *Lifecycle Management*  *Preparation*  *Prerequisites Check*.



Note

SAPinst automatically checks the hardware and software requirements using the *Prerequisite Checker* in the background. Necessary corrections of SAP system parameters and operating system settings are requested automatically.

4. In the *Welcome* screen, choose *SAP NetWeaver 2004s*  *Standalone Engines*  *Adapter Engine*  *<Database>*  *Adapter Engine Installation*.
5. If SAPinst prompts you to log off from your system, log off and log on again. SAPinst restarts automatically.
6. Follow the instructions in the SAPinst dialogs and enter the required parameters.



Note

For more information about the input parameters, position the cursor in the field of the respective parameter and press the **F1** key.



Caution

For the Decentral Adapter Engine you **must use the ABAP SAP User Management Engine (UME)** and NOT the local database UME.

After you have entered all required input information, SAPinst starts the installation and displays the progress of the installation. If the installation was successful, the screen *Finished installation successfully* is displayed.

7. For security reasons, delete the file `<drive>:\Documents and settings\%userprofile%\sdtgui\sdtgui.trc`, which contains all passwords entered during the installation.

## Troubleshooting

- If an error occurs during the **dialog phase**, SAPinst:
  - Stops the installation
  - Displays a dialog informing you about the error
 You can now directly view the log file by choosing *View Logs*  
 You must abort the installation with *Stop* or *Reset*, and try to solve the problem.
- If an error occurs during the **processing phase**, SAPinst:

## 4.2 Installing the J2EE Adapter Engine on UNIX

- Stops the installation
- Displays a dialog informing you about the error

You can now:

- Directly view the log file by choosing *View Logs*
- Try to solve the problem.
- Continue the installation by choosing *Retry*.
- *Stop* or *Reset* the installation



Note

If you find error messages like the following in the SDM logs, you can ignore them:

Error: <SCA name>: Location of software component '<SCA name>' / '<SCA vendor>' / '<SCA location>' / '<SCA counter>' unknown./Error: <SCA name>: system component version store not updated.

For more information, see SAP Note [828978](#).

End of: Windows

Only valid for: UNIX

## 4.2 Installing the J2EE Adapter Engine on UNIX

1. Log on to your host as user root.

Only valid for: z/OS DB2 UDB for z/OS



Note

When installing on z/OS, refer to [service.sap.com/securityguide](http://service.sap.com/securityguide)® *SAP NetWeaver <version> DB and OS Platform Security Guides*® *SAP Security Guide for IBM DB2 UDB for z/OS*® *Security Settings for z/OS* section *User ID to Install an SAP SCS Instance on z/OS* for more information on which user you must set and which environment is necessary.

End of: z/OS DB2 UDB for z/OS

2. Start SAPinst from the *SAP NetWeaver 2004s Installation Master DVD* in one of the following ways:

- Using the default installation directory (recommended)

Enter the following commands:

```
cd <SAP_Installation_Master_DVD>/IM_<OS>
./sapinst
```

SAPinst creates a directory called `sapinst_instdir`, which is the current working directory for your installation, below the temporary directory of your operating system.



Caution

Make sure that your operating system does not delete the contents of the temporary directory `/tmp` or the contents of the directories to which the variables `TEMP`, `TMP`, or `TMPDIR` point, for example by using a `crontab` entry.

■ Using an **alternative** installation directory

If you want to use an alternative installation directory, set the environment variable TEMP, TMP, or TMPDIR.



Note

SAPinst uses the port 21212 during the installation for communication with the SAPinst GUI. If this port is already used by another service you must add the parameter `SAPINST_DIALOG_PORT=<free_port_number>` to the relevant `sapinst` command above. For example:  
`./sapinst SAPINST_DIALOG_PORT=<free_port_number>`

SAPinst GUI normally starts automatically by displaying the *Welcome* screen.

However, if there is only one component to install, SAPinst directly displays the first input dialog without the *Welcome* screen.

3. If you want to use global accounts which are configured on a separate host, you need to run the installation service *Operating System Users and Groups*:  
Choose *SAP NetWeaver 2004s*® *System with Usage Types*® *<database>*® *Operating System Users and Groups*.
4. If you want to check your hardware and software requirements **before** the installation, choose *SAP NetWeaver 2004s*® *Lifecycle Management*® *Preparation*® *Prerequisites Check*.



Note

SAPinst automatically checks the hardware and software requirements using the *Prerequisite Checker* in the background. Necessary corrections of SAP system parameters and operating system settings are requested automatically.

5. In the *Welcome* screen, choose *SAP NetWeaver 2004s*® *Standalone Engines*® *Adapter Engine*® *<Database>*® *Adapter Engine Installation*.
6. Follow the instructions in the SAPinst input dialogs and enter the required parameters.



Note

To find more information on each parameter during the input phase of the installation, position the cursor on the field of the respective parameter and choose **F1**.



Caution

For the Decentral Adapter Engine you **must use the ABAP SAP User Management Engine (UME)** and NOT the local database UME.

After you have entered all required input parameters, SAPinst starts the installation and displays the progress of the installation.



Only valid for: Oracle



#### Note

During the installation of the Oracle database instance, SAPinst stops the installation and prompts you to install the Oracle database software.

This action is not required if you install a system into an existing database (MCOD).

After you have finished the installation of the Oracle database, you continue the database instance installation by choosing *OK* in the SAPinst GUI of the database instance installation.

End of: Oracle

When the installation has successfully completed, the screen *Finished successfully* is displayed.

- For security reasons, delete the file `<user_home>/ .sdtgui / sdtgui .trc`, which contains all passwords entered during the installation.

## Troubleshooting

- If an error occurs during the **input phase**, SAPinst:
  - Stops the installation
  - Displays a dialog informing you about the error
    - You can now directly view the log file by choosing *View Logs*
    - You must abort the installation with *O.K.* and try to solve the problem.
- If an error occurs during the **processing phase**, SAPinst:
  - Stops the Installation
  - Displays a dialog informing you about the error
    - You can now:
      - ◆ Directly view the log file by choosing *View Logs*
      - ◆ Retry the installation by choosing *Retry*.
      - ◆ Abort the installation by choosing *O.K.*



#### Note

If you find error messages like the following in the SDM logs, you can ignore them:

```
Error: <SCA name>: Location of software component '<SCA name>' / '<SCA vendor>' /
'<SCA location>' / '<SCA counter>' unknown./Error: <SCA name>: system component
version store not updated.
```

For more information, see SAP Note [828978](#).

End of: UNIX

## 4.3 Installing the Plain J2SE Adapter Engine



#### Note

The Plain J2SE Adapter Engine and all its adapters are provided for compatibility reason and are not developed any further. You should prefer to use the J2EE Adapter Engine running on SAP NetWeaver AS-Java. For more information, see the *Master Guide – SAP NetWeaver 2004s* available on SAP Service

Marketplace at [service.sap.com/instguidesNW2004s](http://service.sap.com/instguidesNW2004s) ® *Planning*.




### Procedure

1. Extract the `SAPXICONS<SP>_<PL>.SCA` (XI Connectivity SE 3.0) archive (ZIP format) into a temporary directory.
2. Unpack the ZIP archive `TechnicalAdapters.sda` to the installation directory of the Plain J2SE Adapter Engine.
3. Proceed as described in *Post-Installation Steps for the Plain J2SE Adapter Engine* [page 15].

## 5 Follow-Up Activities

### 5.1 Post-Installation Steps for the J2EE Adapter Engine


#### 5.1.1 Configuring the SLD Data Supplier Service in the Visual Administrator

1. Start the J2EE Engine Visual Administrator.
2. Choose *Cluster*  *Server*  *Services*  *SLD Data Supplier*.
3. On the *Runtime* tab in the right frame, select the tab *HTTP Settings*.
4. Enter the data required for the HTTP connection from the SLD service to the SLD as follows:
  - *Host*: Enter the name of the host where the SLD bridge runs.
  - *Port*: specify the HTTP standard access port of the SLD where this is the HTTP port of the J2EE engine. The following naming convention applies: 5<Java\_instance\_number>00. 50000, for example, if your Java instance is 00.
  - *User*: Specify a Java user that already exists on the host where the SLD Bridge runs (**XISUPER**, for example).
  - *Password*: Enter the user password.


If you want to use HTTPS for the connection from the SLD service to the SLD, choose *Use HTTPS*. The *Trust Store* field is now ready for input.



#### Note

A trust store contains the root certificates of the trusted roots, and checks the authentication of a received server certificate. The default setting for the trust store is *TrustedCAs*. You can change this setting if necessary. For a list of the available trust stores, see the Key Storage service (*Runtime*  *Views*).

5. Save your entries.

If an error occurs, an error message appears. If your entries were saved successfully, the connection data is saved in encrypted form in the secure store in the database.
- 
- #### Note
- Alternatively, you can use an RFC connection to send data to the SLD (tab *RFC Settings*). However, we recommend that you use this type of connection for test purposes only.
6. If you want to test your settings by sending test data to the SLD, click the blue arrow with the quick info text *Trigger data transfer to System Landscape Directory*.
  7. To apply the new configuration immediately, restart the SLD service as follows:
    - a) On the *Cluster* tab, choose *SLD Data Supplier* with the secondary mouse button.
    - b) Choose *Stop*.

## 5.1 Post-Installation Steps for the J2EE Adapter Engine

- c) When the service has been stopped, choose *SLD Data Supplier* with the secondary mouse button again, and choose *Start*.

The service is restarted within a few seconds, and the first data transfer to the SLD takes place after several minutes.

## 5.1.2 Configuring the Gateway Service of the Central Integration Server

On the Adapter Engine host, you need to enter the gateway service of the central Integration server in the file services as follows:

### Procedure

1. Open the file services by using a text editor.

You can find the file in the directory

Only valid for: Windows

■ <drive>\WINNT\system32\drivers\etc\

End of: Windows

Only valid for: UNIX

■ /etc/

End of: UNIX

2. Enter the gateway service entry as follows:

**sapgw<xx> <port>/tcp #SAP System Gateway Port**

where <xx> is the instance number of SAP NetWeaver where the usage type PI is running and <port> is the gateway port of SAP NetWeaver.



Note

You can copy and paste the correct entry from the *services* file on the PI host.

## 5.1.3 Adding Connection Parameters to Central Exchange Profile

1. On the non-central AE server, enter the following URL in a browser:

[http://<AE\\_server>:<AE\\_HTTP\\_Port>/exchangeProfile](http://<AE_server>:<AE_HTTP_Port>/exchangeProfile).

2. Choose *Connections*.
3. Enter the respective values.



Note

If you don't know the values, call the Exchange Profile on the PI server at [http://<PI\\_server>:<\\_HTTP\\_Port>/exchangeProfile](http://<PI_server>:<_HTTP_Port>/exchangeProfile) and choose *Connections*. You can look the values up there.

4. Restart the application `com.sap.aii.af.cpa.app` in the Visual Administrator or reboot the J2EE Engine.

**Result**

You find the Adapter Engine in the System Landscape Directory (SLD).

**5.2 Post-Installation Steps for the Plain J2SE Adapter Engine**

If you have installed the *Plain J2SE Adapter Engine* in a non-SAP Java environment, you configure the adapter according to the documentation provided in the file **adapter.pdf**. You can find the file `adapter.pdf` on the Plain J2SE Adapter Engine host in the directory `<temp_directory>/tech_adapter/Administration/Documentation`.

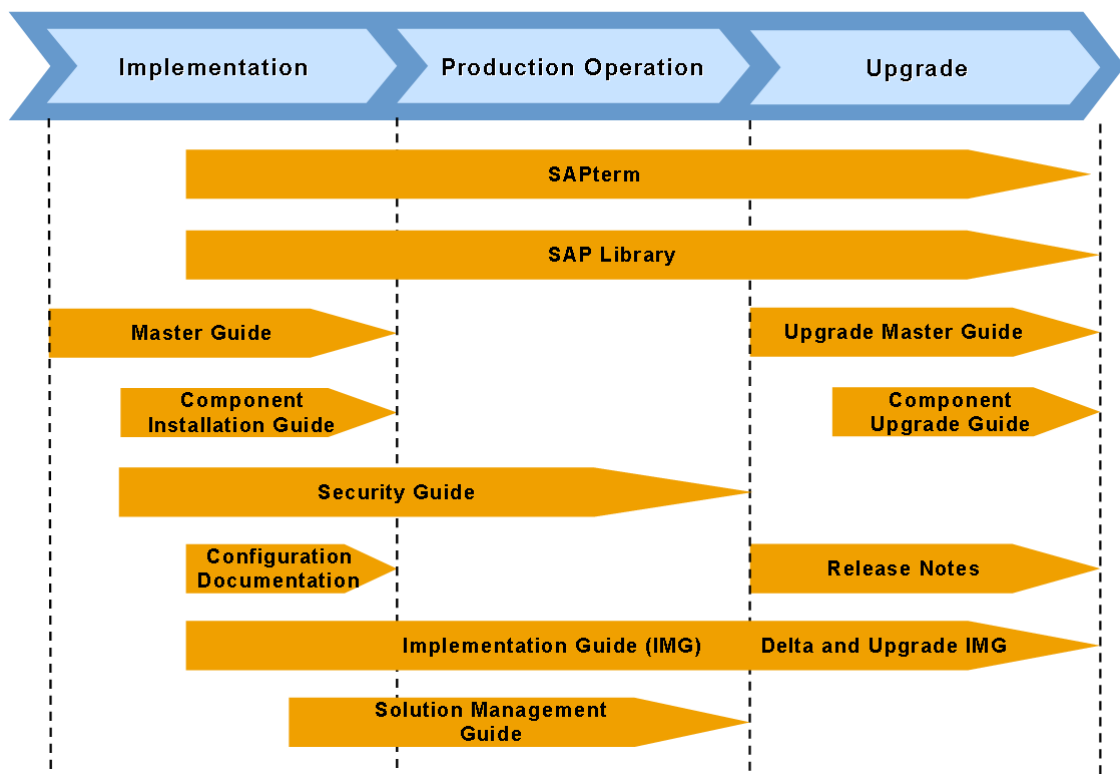
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# A Reference

## A.1 The Main SAP Documentation Types

The following is an overview of the **most important** documentation types that you need in the various phases in the life cycle of an SAP solution.

**Figure a:** Documentation types in the software life cycle



### Cross-Phase Documentation

**SAPterm**—SAPterm is SAP’s terminology database. It contains SAP-specific vocabulary in over 30 languages, as well as many glossary entries in English and German.

- Target group:
  - Relevant for all target groups
- Current version:
  - Located in the SAP Service Marketplace at [service.sap.com/sapterm](http://service.sap.com/sapterm)

**SAP Library**—The SAP Library is a collection of function- and process-oriented documentation for SAP components. The SAP Library also contains the Business Scenario Descriptions.

- **Target group:**
  - Consultants
  - System administrators
  - Project teams for implementations or upgrades
- **Current version:**
  - Located in the SAP Help Portal at [help.sap.com](http://help.sap.com) (also available as documentation CD)
  - Located in the SAP Service Marketplace at [service.sap.com/ibc](http://service.sap.com/ibc) (only the Business Scenario Descriptions)

**Implementation Guide (IMG)**—The Implementation Guide is a tool for configuring the SAP system to meet customer requirements. Its structure and documentation are component-oriented.

- **Target group:**
  - Solution consultants
  - Project teams for implementations or upgrades
- **Current version:**
  - In the SAP menu of the SAP system under *Tools* ® *Customizing* ® *IMG*

**Security Guide**—The Security Guide describes the settings for a medium security level and offers suggestions for raising security levels. A collective security guide is available for the SAP NetWeaver technologies, such as the SAP Web Application Server (SAP Web AS). This document contains general guidelines and suggestions about system security. Other technologies and individual applications have a Security Guide of their own.

- **Target group:**
  - Technology consultants
  - Solution consultants
  - Project teams for implementations or upgrades
- **Current version:**
  - Located in the SAP Service Marketplace at [service.sap.com/securityguide](http://service.sap.com/securityguide)

### Implementation

**Master Guide**—The Master Guide is the starting point for implementing an SAP solution. It lists the required SAP components, and third-party applications that are required for each Business Scenario. It provides scenario-specific descriptions of preparation, execution, and follow-up of an implementation. It also offers references to other documents, such as Component Installation Guides and SAP Notes.

- **Target group:**
  - Technology consultants
  - System administrators
  - Project teams for implementations
- **Current version:**
  - Located in the SAP Service Marketplace at [service.sap.com/instguides](http://service.sap.com/instguides)

**Component Installation Guide**—The Component Installation Guide describes the technical implementation of an SAP component, taking into account the combinations of operating systems and databases. It does not describe any business-related configuration.

- **Target group:**
  - Technology consultants



- Project teams for implementations
- Current version:
  - Located in the SAP Service Marketplace at [service.sap.com/instguides](https://service.sap.com/instguides)

**Configuration Documentation in SAP Solution Manager**—SAP Solution Manager is a tool with various functions, one of its main functions being the configuration of SAP solutions and Business Scenarios. It contains IMG activities, transactions, and so on, as well as documentation. Instead of the configuration documentation in SAP Solution Manager, there may be separate Business Scenario Configuration Guides in the SAP Service Marketplace for previous shipments of the Business Scenarios.

- Target group:
  - Solution consultants
  - Project teams for implementations
- Current version:
  - In SAP Solution Manager
  - Located in the SAP Service Marketplace at [service.sap.com/ibc](https://service.sap.com/ibc)

#### **Production Operation**

**Solution Management Guide**—The Solution Management Guide is the starting point for operating an SAP solution. The guide refers users to the tools and documentation that are needed to carry out various tasks, such as monitoring, backup / restore, master data maintenance, transports, and tests. It also refers users to other documents, for example the SAP Library, the Master Guide, and the Component Management Guides.

- Target group:
  - System administrators
  - Technology consultants
  - Solution consultants
  - Project teams for implementations or upgrades
- Current version:
  - Located in the SAP Service Marketplace at [service.sap.com/instguides](https://service.sap.com/instguides)

#### **Upgrade**

**Upgrade Master Guide**—The Upgrade Master Guide is the starting point for upgrading the Business Scenarios of an SAP solution. It provides scenario-specific descriptions of preparation, execution, and follow-up of an upgrade. It also refers to other documents, such as the Component Upgrade Guides and SAP Notes. Instead of an Upgrade Master Guide, there may be several Business Scenario Upgrade Guides or a Solution Upgrade Guide for previous shipments of the Business Scenarios of an SAP solution.

- Target group:
  - Technology consultants
  - Project teams for upgrades
- Current version:
  - Located in the SAP Service Marketplace at [service.sap.com/instguides](https://service.sap.com/instguides)

**Component Upgrade Guide**—The Component Upgrade Guide describes the technical upgrade of an SAP component, taking into account the combinations of operating systems and databases. It does not describe any business-related configuration.

- Target group:

- Technology consultants
- Project teams for upgrades
- Current version:
  - Located in the SAP Service Marketplace at [service.sap.com/instguides](http://service.sap.com/instguides)

**Release Notes**—Release Notes are documents that contain short descriptions of new features or changes in an SAP component since the previous release. Release Notes about ABAP developments enable the SAP system to generate delta and upgrade IMGs

- Target group:
  - Consultants
  - Project teams for upgrades
- Current version:
  - Located in the SAP Service Marketplace at [service.sap.com/releasenotes](http://service.sap.com/releasenotes)
  - In the SAP menu of the SAP system under *Help*® *Release Notes* (only ABAP developments)

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