



Installation Guide

SAP NetWeaver 7.30

Developer Workplace

Target Audience

- System administrators
- Technology consultants

CUSTOMER
Document version: 1.0 – 11/29/2010

Document History



Caution

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version at <http://service.sap.com/installnw73>.

Version	Date	Description
1.0	11/29/2010	Initial Version

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1 Introduction

This document explains how to install an SAP NetWeaver 7.3 system as developer workplace. You perform the installation using SAPinst.

Before you start with this installation guide, make sure you have read the documentation *Master Guide - SAP NetWeaver 7.3*, which you can find at:

► <http://service.sap.com/installnw73> → Planning ◀

SAP Notes for the Installation

Before you start the installation, make sure you have read the latest version of **SAP Note** [1492391](http://service.sap.com/notes/1492391).

This SAP Note contains 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 the SAP Note, which you can find on SAP Service Marketplace at <http://service.sap.com/notes>.

Naming Conventions

SAP system refers to *SAP NetWeaver 7.3*

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2 Planning

This section includes the planning steps for your installation.

You must first:

1. Plan your SAP system landscape according to the Master Guide available for your product.
2. Decide on your installation option.

SAPinst Installation Options

This section provides information about the following in SAPinst:

■ Installation

- *SAP NetWeaver Developer Studio* [[page 15](#)]
- *Typical Server Installation*

If you choose *Typical Server Installation*, the installation is performed with default settings. The following usage types will be installed in your system:

- ◆ SAP NetWeaver Application Server Java (BASIC)
- ◆ SAP NetWeaver Product Description (NW-MODEL)
- ◆ SAP NetWeaver Composite Application Framework (CE-APPS)
- ◆ SAP NetWeaver Composition Environment Platform (COMP-ENV)
- ◆ SAP NetWeaver Business Process Management and Business Rules Management (BPM)

If you want to change any of the default settings, you can do so on the *Parameter Summary* screen.

- *Custom Server Installation*

You can install SAP NetWeaver 7.3 with the following usage types:

- ◆ SAP NetWeaver Application Server Java (BASIC)



Caution

You **must** always install SAP NetWeaver Application Server Java together with SAP NetWeaver Product Description.

- ◆ SAP NetWeaver Product Description (NW-MODEL)
- ◆ SAP NetWeaver Composite Application Framework (CE-APPS)
- ◆ SAP NetWeaver Composition Environment Platform (COMP-ENV)
- ◆ SAP NetWeaver Business Process Management and Business Rules Management (BPM)
- ◆ SAP NetWeaver Enterprise Services Repository (ESR)
- ◆ SAP NetWeaver Development Infrastructure (DI)
- ◆ SAP NetWeaver Adobe Document Services (ADOBE)

■ System Copy

Choose this option to perform a system copy.

For more information, see the system copy guide, which you can find at:

<http://service.sap.com/installnw73>, then choose ► *Installation* → *Installation* — *SAP NetWeaver Systems* ◀.

■ *Uninstall*

Uninstalls an SAP NetWeaver system. For more information, see *Uninstalling SAP NetWeaver 7.30* [page 32].


Hardware and Software Requirements for Development Systems



Before you start the installation, make sure you meet the hardware and software requirements for your operating system (OS) and the SAP NetWeaver system.

Consider the following information:

- For supported operating system releases, see the Product Availability Matrix on SAP Service Marketplace at <http://service.sap.com/pam>.
- Contact your OS vendor for the latest OS patches.

If you want to install SAP NetWeaver 7.3 as a Developer Workplace, the host must meet the following requirements:

Requirement Type	Requirement
Hardware	<ul style="list-style-type: none"> ■ 10 GB free disk space ■ Min. 1 CPU with 3 GHz ■ 2 GB RAM (minimum) ■ Paging file size: 2x RAM <p>To check the paging file size:</p> <ol style="list-style-type: none"> 1. Right-click <i>My Computer</i> and choose <i>Properties</i>. 2. Choose <i>Advanced Performance Settings</i>. 3. If required, in section <i>Virtual Memory</i>, choose <i>Change</i>.
Software	<p>Supported Operating Systems:</p> <ul style="list-style-type: none"> ■ Microsoft Windows Vista (32-bit) ■ Microsoft Windows XP Professional (SP2 or higher) (32-bit) ■ Microsoft Windows 7 (32-bit) ■ Microsoft Windows 7 (64-bit) ■ Microsoft Windows Server 2008 (64-bit) <p>Supported Databases:</p> <ul style="list-style-type: none"> ■ SAP MaxDB 7.8 <div style="border-left: 1px solid black; padding-left: 10px; margin-top: 10px;"> <p> Note</p> <p>The SAP MaxDB software is installed with the SAP NetWeaver system.</p> </div> <ul style="list-style-type: none"> ■ MS SQL Server 2008

Requirement Type	Requirement
	<div>  Note </div> <p>If you want to use the MS SQL Server database, you have to install it before installing SAP NetWeaver.</p> <p>JDK version:</p> <div>  Caution </div> <p>SAP NetWeaver Developer Studio requires a 32-bit Java Development Kit (JDK). You must install it in the <installation folder of the Developer Studio>\eclipse\jre directory or in another location referred by the JAVA_HOME variable of your Windows OS. Make sure you use the JDK, and not the JRE, even though the location that the Developer Studio expects contains the jre\bin string.</p> <p>The following 32-bit JDKs are supported:</p> <ul style="list-style-type: none"> ■ SAP JVM 6's JDK ■ Oracle's JDK 1.6.0_7 or higher



Note

If you want to *install additional components (optional)* [[page 21](#)], you need the same hardware and software requirements as stated above plus an additional 2 GB RAM.

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3 Preparation

This section includes the preparation steps that you have to perform before you proceed with the installation.

Downloading the Java Cryptography Extension Jurisdiction Policy Files Archive

The SAP Java Virtual Machine (SAP JVM) is not delivered with Java Cryptography Extension (JCE) Jurisdiction Policy files. The delivery of these is subject to import restrictions in some countries. The JCE jurisdiction policy files must be available beforehand so that SAPinst can install them.

Prerequisites

- Make sure there is not an older version of the JCE policy zip file for your platform on the installation host.



Caution

If there is an old JCE policy zip file, the Prerequisite Checker does not recognize this fact. For this reason, SAPinst issues the error message `java.lang.SecurityException` during the **Create Secure Store** step, stating the jurisdiction policy files are not signed by trusted signers.

- If you want to install usage type or software unit Adobe Document Services, make sure that you download the unlimited version of the JCE Jurisdiction Policy files.

Procedure

Download the JCE jurisdiction policy files as described in **SAP Note** [1240081](#).

Preparing the Installation DVD

Make sure you have available the installation DVDs for SAP NetWeaver 7.3.

To install SAP NetWeaver 7.3 system as a Developer Workplace, you need the following DVDs:



Note

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

- Installation Master and Kernel DVD
- NetWeaver Java DVD
- RDBMS DVD

You can also download the installation DVD from SAP Service Marketplace at:

► <http://service.sap.com/swdc> → *Installations and Upgrades* → *Installations and Upgrades - Entry by Application Group* → *SAP NetWeaver and complementary products* → *SAP NETWEAVER* → *SAP NETWEAVER 7.3* ◀

If you download the installation DVD, note that the DVD might be split into several archives. In this case, you have to unpack these archives to one folder after the download.

**Caution**

Make sure that the paths to the destination location of the DVDs do not contain any blanks.

Only Valid for MS SQL Server: Preparations for the MS SQL Server Database

Before starting the installation check the following:

- The default collation of your database server is `SQL_Latin1_General_CP850_BIN2`
 1. Start the *SQL Server Management Studio*.
 2. Connect to your server.
 3. Right-click the server and in the context menu, choose *Properties*.
 4. Check the server collation on the general page.
 5. If the server collation differs from `SQL_Latin1_General_CP850_BIN2`, you have to reinstall it or use a different MS SQL Server instance.
- SQL Server logins are enabled.
 1. Start the *SQL Server Management Studio*.
 2. Connect to your server.
 3. Right-click the server and in the context menu, choose *Properties*.
 4. Switch to the security page.

Under *Server Authentication*, make sure that the entry *SQL Server and Windows Authentication mode* is selected.

**Note**

If only *Windows Authentication mode* is selected, change it to *SQL Server and Windows Authentication mode* and restart the server for the changes to take effect.

- TCP/IP protocol is enabled and your server is able to communicate on the TCP port.
 1. Start the *SQL Server Configuration Manager* from the following path:

► *Start* → *All Programs* → *MS SQL Server 2008* → *Configuration Tools* ◀.
 2. Expand *SQL Server Network Configuration* and select your instance.
 3. In the right-hand pane, make sure that protocol TCP/IP is set to enabled.

For more information about how to configure the TCP/IP connection properly, see *SQL Server Books Online*.

4 Installation

This section includes the installation steps that you have to perform for:

- *Installing SAP NetWeaver Developer Workplace* [[page 13](#)]
- *SAP NetWeaver Developer Studio* [[page 15](#)]

Detailed information about the steps is available in the relevant chapter.

4.1 Installing SAP NetWeaver Developer Workplace

This section provides information about the steps that you have to perform to install SAP NetWeaver 7.3 as a Developer Workplace. You perform the installation using SAPinst.

SAPinst includes an SAPinst GUI and a GUI server, which both use Java. This section describes an installation where SAPinst, SAPinst GUI, and the GUI server are running on the same host.

Note the following information about SAPinst:

- When you start SAPinst, SAPinst GUI and the GUI server also start. SAPinst GUI connects to the GUI server with a secure SSL connection, and the GUI server connects to SAPinst.
- SAPinst normally creates the installation directory `sapinst_instdir`, where it keeps its log files, and which is located directly in the Program Files directory. If SAPinst is not able to create `sapinst_instdir` there, it tries to create `sapinst_instdir` in the directory defined by the environment variable `TEMP`.



Recommendation

We recommend that you keep all installation directories until the system is completely and correctly installed.

- SAPinst creates a subdirectory for each installation option called `<sapinst_instdir>\<installation_option_directory>`, which is located in `%ProgramFiles%\`.
- 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 called `sapinst_exe.xxxxxx.xxxx` sometimes remain in the temporary directory. You can safely delete them. The temporary directory also contains the SAPinst Self-Extractor log file `dev_selfex.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, choose one of the following options:
 - 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 a user with administration rights to install the SAPinst tool and the SAP system.

Procedure

1. Insert the SAP Installation Master DVD into your DVD drive or mount it locally.
2. Start SAPinst from the SAP Installation Master DVD by double-clicking `sapinst.exe` from one of the following paths:
 - <DVD drive>:\DATA_UNITS\NW730_IM_WPL_WIN_I386_<database>
 - <DVD drive>:\DATA_UNITS\NW730_IM_WPL_WIN_X86_64_<database>
3. In the *Welcome* screen, choose the required SAPinst installation option from the tree structure. For more information about the different installation options, see *Planning* [\[page 7\]](#)

**Note**

If SAPinst prompts you to log off from your system, log off and log on again. SAPinst restarts automatically. Choose *Continue Old Installation*.

4. Follow the screens and enter the required parameters.

**Note**

For more information about the input parameters and about restrictions for passwords, position the cursor on the required parameter and press **F1**.

After you have entered all requested input parameters, SAPinst displays the *Parameter Summary* screen. This screen shows both the parameters that you entered and those that SAPinst set by default. If required, you can revise the parameters before starting the installation.

5. To start the installation, choose *Start*. SAPinst starts the installation and displays the progress of the installation. When the installation has finished successfully, SAPinst shows the dialog *Execution of <Option_Name> has been completed successfully*.



Recommendation

We recommend that you check the *Log Analyzer* [page 21] after the installation has finished.

4.2 SAP NetWeaver Developer Studio

If you want to install SAP NetWeaver Developer Studio, proceed as described in the document *Installation and Update Guide — SAP NetWeaver Developer Studio 7.3*, which you can find at:

► <http://service.sap.com/installnw73> → *Installing the Developer Workplace* ◀.

Together with the Developer Studio, you can optionally install the Memory Analyzer which helps you to analyze Java heap dumps, easily find large amount of memory or complex memory aggregation patterns in your data structures, and identify who is keeping this memory alive. The tool (Eclipse RCP application) has been developed to analyze real productive heap dumps, which tend to become enormous in size with hundreds of millions of objects. Performance, low resource consumption and especially the newly developed innovative analysis techniques make it a helpful tool, even to small application heap dumps.

For more information about installing and using the Memory Analyzer, see

► <http://help.sap.com/nw73> → *SAP NetWeaver Library* → *SAP NetWeaver Composition Environment* → *Developing Composite Applications* → *SAP NetWeaver Developer Studio Basics* → *Administering the AS Java from the Developer Studio* → *Working with the Memory Analyzer* ◀.

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5 Post-Installation

This section describes the steps that you have to perform after the installation has finished successfully.

5.1 Applying the Latest Kernel and Support Packages

You use this procedure to apply the latest kernel and Support Packages for your SAP system from SAP Service Marketplace.

Prerequisites

Make sure that you read the release notes for your SAP system before you apply Support Packages. The release notes might include information about steps you have to perform after you have applied the Support Packages. For more information, see <http://service.sap.com/releasenotes>.

Procedure

Download and apply the latest Kernel and Support Packages as described in the *Support Package Stack Guide – SAP NetWeaver 7.3 – SPS<current number>* at <http://service.sap.com/maintenanceNW73>.

5.2 Performing Automated Configuration

This section provides information on how to run automated configuration tasks for the initial configuration of SAP NetWeaver functional units.



Caution

Do **not** use the functional unit configuration tool to configure functional units that have already been enabled after:

- Upgrade
- Update
- System copy

If you need to change the configuration of functional units that have already been enabled, then you must execute the configuration steps manually.

If you want to use a functional unit that has not previously been enabled, you can either use the functional unit configuration tool or execute the steps manually.

Prerequisites

Functional units, which have not been enabled yet should be available in your system.

Procedure

To initially configure an SAP NetWeaver functional unit, proceed as described in the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → SAP NetWeaver Library: Function-Oriented View → Solution Life Cycle Management → Software Logistics → Automation Tools ◀

More Information

For more information about automated configuration and the configuration documentation, see the configuration structure of your implementation project in SAP Solution Manager.

For more information about how to access the configuration documentation, see *Accessing Configuration Documentation in the SAP Solution Manager* [[page 18](#)].

5.3 Accessing Configuration Documentation

Configuring the SAP system you have installed comprises the following configuration steps:

- Automated configuration steps, including documentation about how to use automation tools
- Manual configuration steps

You can access the complete configuration documentation in one the following ways:

- In the SAP Solution Manager



Note

SAP Solution Manager content for SAP NetWeaver 7.3 will only be available after SAP NetWeaver 7.3 is released to customers.

- In the SAP help portal



Note

The SAP NetWeaver 7.3 Library at <http://help.sap.com/nw73> will only be available after SAP NetWeaver 7.3 is released to customers.

During validation, you can only access SAP NetWeaver Library in Process in the SAP Corporate Portal at ► <https://portal.wdf.sap.corp/irj/portal> → Technology Group → Development → Tools and Resources for InfoDev → Links & Documents → Documentation in Progress → SAP NetWeaver 7.3 → SP<Current Number> ◀

Accessing Configuration Documentation in the SAP Solution Manager

1. Connect your newly installed SAP system to the related SAP Solution Manager as described in the following documentation:

► <http://help.sap.com/content/documentation/solutionmanager> → SAP Solution Manager → SAP Solution Manager 7.0 <current SP> → SAP Solution Manager → Basic Settings → Solution Manager System Landscape → Create Product Systems ◀

2. Create a configuration project with the appropriate configuration guide in the SAP Solution Manager as described in the following documentation:

■ ► <http://help.sap.com/content/documentation/solutionmanager> → Documentation for SAP Solution Manager → <current release> → SAP Solution Manager → Implementing and Upgrading SAP Solutions → Configuration → Create Configuration Guides ◀

■ ► <http://service.sap.com/solutionmanager> → Media Library → How-To Documents → How to Create a Configuration Guide using SAP Solution Manager ◀



Note

Make sure that you always select structure element *Automation Tools* together with the use case for which you want to create the configuration guide.

Accessing Configuration Documentation in the SAP Help Portal

1. Go to <http://help.sap.com/nw73>
2. Access configuration documentation from the relevant path:

■ SAP NetWeaver 7.3 for Composition Environment:

- For automated configuration, choose ► SAP NetWeaver Library: Function-Oriented View → Solution Life Cycle Management → Software Logistics → Automation Tools ◀
- For complete configuration, choose ► SAP NetWeaver Library → SAP NetWeaver Composition Environment → Administrator's Guide → Configuring Composition Environment ◀

■ SAP NetWeaver 7.3 for Business Warehouse:

- For automated configuration, choose ► SAP NetWeaver Library: Function-Oriented View → Solution Life Cycle Management → Software Logistics → Automation Tools ◀
- For complete configuration, choose ► SAP NetWeaver Library → SAP NetWeaver Library: Function-Oriented View → Business Warehouse ◀

■ SAP NetWeaver 7.3 for Portal:

- For automated configuration, choose ► SAP NetWeaver Library: Function-Oriented View → Solution Life Cycle Management → Software Logistics → Automation Tools ◀
- For complete configuration, choose ► SAP NetWeaver Library → SAP NetWeaver Library: Function-Oriented View → Enterprise Portal ◀

■ SAP NetWeaver 7.3:

- For automated configuration, choose ► SAP NetWeaver Library: Function-Oriented View → Solution Life Cycle Management → Software Logistics → Automation Tools ◀

- For complete configuration, choose ► *SAP NetWeaver Library* → *SAP NetWeaver Library*:
Function-Oriented View → <*Relevant Scenario*> ◀

6 Additional Information

The following section provides additional information about the installation of SAP NetWeaver 7.3 Developer Workplace.

6.1 Log Analyzer

The *LogAnalyzer.html* file contains information about system details, user input for dialogs, time profile, and some automatically detected log entries, such as errors, warnings, and information. It is automatically generated after each of the following:

- Installation
- Update
- Uninstall



Note

The *LogAnalyzer.html* file is generated even if there are no errors.

To open the *LogAnalyzer.html* file, do one of the following:

- Choose *Show Details* in SAPinst when prompted.
- Open the *LogAnalyzer.html* file, which is located in the corresponding log directory.

6.2 Installation of Additional Usage Types to an Existing SAP System

If you want to add **Java** software units or usage types to an existing SAP system based on SAP NetWeaver 7.3, **you have to use the Java Support Package Manager (JSPM)**. You cannot use SAPinst to install additional usage types in an existing SAP system.

Prerequisites

- The existing SAP system must have at least usage type Application Server Java (BASIC) and usage type CE Product Description (CE-MODEL)
- You have planned your SAP system landscape according to the Master Guide available for your product.

Prerequisites for SAP MaxDB

During the installation of additional components, entries are written into the log area of the database. To avoid the log becoming full during the installation, make sure that your backup strategy is already active and an initial data backup was successful.

When you want to establish your backup strategy after installing additional components, you can turn on the special log mode *AutoOverwrite* using the Database Manager GUI. This interrupts the existing backup history. You have to run a complete backup to start the history again.

Preparation

1. Make sure that the following documentation is available:



Note

You do not need to read the whole documentation. However, make sure that you read those parts of it referred to below in this procedure.

- For handling JSPM, use the documentation *Java Support Package Manager*, which you can find in the SAP Library at:
 ► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager ◀
- Check the Master Guide for supported and recommended combinations of usage types that can be run in one system. Check the installation guide for space requirements for the additional usage types you want to install.

2. Check which usage types are already installed on your system.

You can do this in one of the following ways:

- Start JSPM and choose the *Deployed Components* tab.
- Check the usage type system information page of your system using the URL
http://<host>:<http_port>/ut1/UsageTypesInfo

For more information, see the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Deploying New Software Components ◀

3. Check the dependencies for the software units or usage types you want to install:

Usage Types of SAP NetWeaver 7.3

Usage Type Name (Technical Name)	Long Text	Depends on
NW-MODEL	NW Product Description	BASIC
ADOBE	SAP NetWeaver Adobe Document Services	BASIC

Usage Type Name (Technical Name)	Long Text	Depends on
CE-APPS	SAP NetWeaver Composite Application Framework	BASIC
COMP-ENV	SAP NetWeaver Composition Environment Platform	BASIC, CE-APPS
BPM	SAP NetWeaver Business Process Management and Business Rules Management	BASIC, CE-APPS, COMP-ENV
ESR	SAP NetWeaver Enterprise Services Repository	BASIC
DI	SAP NetWeaver Development Infrastructure	BASIC
CE-PROCESS	Guided Procedures	COMP-ENV
BASIC-RA	Demo Applications	BASIC
CE-VOICE	Composition Voice	BASIC, CE-APPS, COMP-ENV
BASIC	Application Server Java	—
IDE-Update-Site	SAP NetWeaver Developer Studio Update Site	BASIC

4. Check the *Hardware and Software Requirements* [\[page 8\]](#).
5. Check the Java virtual memory settings according to **SAP Note 723909**.
6. Check the requirements for the Java Support Package Manager as described in the SAP Library at:
 ► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Requirements for Free Disk Space ◀
7. Download the required Software Component Archives (SCAs) **and** the appropriate stack definition file in one of the following ways:
 - Using the Download Manager, which you can find at:
 ► <http://service.sap.com/download-basket> → Get Download Manager ◀.
 Download the corresponding files from the following location:
 ► <http://service.sap.com/swdc> → Download → Support Packages and Patches → Support Packages and Patches - Entry by Application Group → SAP NetWeaver → SAP NETWEAVER → SAP NETWEAVER 7.3 ◀
 - Using the Maintenance Optimizer in SAP Solution Manager.
 For more information about how to do this, see the SAP Library at:
 ► <http://help.sap.com> → SAP Solutions → SAP Solution Manager → Release SAP Solution Manager <Current Release> → SAP Solution Manager → Change Management → Maintenance Optimizer → Planning and Monitoring Product Maintenance ◀



Recommendation

We recommend that you also download the most current Support Package Stack for AS Java to update the JSPM to the most current SPS level.

Usage Types of SAP NetWeaver 7.3

■ Components of Application Server Java (UT_NAME = BASIC):

Name of SCA	Description
AJAXRUNTIME**_*.SCA	AJAX RUNTIME 7.30
BASETABLES**_*.SCA	J2EE ENGINE BASE TABLES 7.30
BIWDALV**_*.SCA	BI WEBDYNPRO ALV 7.30
CFGZA**_*.SCA	ZERO ADMIN CONFIG 7.30
CFGZACE**_*.SCA	ZERO ADMIN TEMPLATES CE 7.30
CORETOOLS**_*.SCA	J2EE ENGINE CORE TOOLS 7.30
DICLIENTS**_*.SCA	DI CLIENTS 7.30
ENGFACADE**_*.SCA	J2EE ENGINE FACADE 7.30
ENGINEAPI**_*.SCA	ENGINEAPI 7.30
EPBASISAPI**_*.SCA	PORTAL BASIS API 7.30
ESIUI**_*.SCA	ESI USER INTERFACE 7.30
ESPFFRAMEWORK**_*.SCA	ESI – ES PROTOCOL 7.30
ESREGBASIC**_*.SCA	ES REGISTRY BASIC 7.30
ESREGSERVICES**_*.SCA	ES REGISTRY SERVICES 7.30
FRAMEWORK**_*.SCA	JAVA FRAMEWORK OFFLINE 7.30
FRAMEWORKEXT**_*.SCA	FRAMEWORK EXTENSIONS 7.30
J2EEAPPS**_*.SCA	J2EE ENGINE APPLICATIONS 7.30
J2EEFRMW**_*.SCA	J2EE ENGINE FRAMEWORK 7.30
JSPM**_*.SCA	JAVA SP MANAGER 7.30
LMCFG**_*.SCA	LM CONFIGURATION 7.30
LMCORE**_*.SCA	J2EE ENGINE LM-CORE 7.30
LMCTC**_*.SCA	LM CONFIGURATION WIZARD 7.30
LMCTS**_*.SCA	LM CTS 7.30
LMCTSUI**_*.SCA	LM CTS UIS 7.30
LMMODELBASE**_*.SCA	LM MODEL BASE 7.30
LMNWABASICAPPS**_*.SCA	LM NWA BASIC APPS 7.30
LMNWABASICCOMP**_*.SCA	LMNWABASICCOMP 7.30
LMNWABASICMBEAN**_*.SCA	LM NWA BASIC MBEAN 7.30
LMNWACDP**_*.SCA	LM NWA CDP 7.30
LMNWATOOLS**_*.SCA	LM NWA TOOLS 7.30
LMNWAUIFRMRK**_*.SCA	LM NWA UI FRAMEWORK 7.30
LMSLD**_*.SCA	LM SLD 7.30

Name of SCA	Description
MESSAGING**_*.SCA	MESSAGING SYSTEM SERVICE 7.30
SAPBUILDT**_*.SCA	DI BUILD TOOL 7.30
SAPXI3RDPARTY**_*.SCA	XI 3RD PARTY 7.30
SECURITYEXT**_*.SCA	SECURITY EXTENSIONS 7.30
SERVERCORE**_*.SCA	J2EE ENGINE SERVERCORE 7.30
SOAMONBASIC**_*.SCA	SOA MONITORS BASIC 7.30
SRUI**_*.SCA	SR UI 7.30
UDDI**_*.SCA	ES UDDI 7.30
UMEADMIN**_*.SCA	UME ADMINISTRATION 7.30
WDADOBE**_*.SCA	WEB DYNPRO ADOBE 7.30
WDAPPS**_*.SCA	WEB DYNPRO APPLICATIONS 7.30
WDRUNTIME**_*.SCA	WEB DYNPRO RUNTIME 7.30
WDRUNTIMEEXT**_*.SCA	WEB DYNPRO RUNTIME EXT 7.30
WSRM**_*.SCA	ESI – WSRM 7.30

■ **Components of NW Product Description (UT_NAME = NW-MODEL):**

Name of SCA	Description
LMMODELNW**_*.SCA	LM MODEL NW 7.30

■ **Components of Adobe Document Services (UT_NAME = ADOBE):**

Name of SCA	Description
ADSSAP**_*.SCA	ADOBE DOCUMENT SERVICES 7.30

■ **Components of Composite Application Framework (UT_NAME = CE-APPS):**

Name of SCA	Description
BIUDI**_*.SCA	BI UDI 7.30
CAF**_*.SCA	SAP CAF 7.30

CAFMF**_*.SCA	CAF MF 7.30
CAFUI**_*.SCA	CAF UI PATTERNS 7.30
COMPBUILDT**_*.SCA	COMPOSITION BUILD TOOL 7.30
CUBASEJAVA**_*.SCA	CU BASE JAVA 7.30

CUBASEWD**_*.SCA	CU BASE WEB DYNPRO 7.30
DATAMAPPING**_*.SCA	DATA MAPPING 7.30
ECMCORE**_*.SCA	ECM CORE COMPONENTS 7.30
EPBASIS**_*.SCA	PORTAL BASIS 7.30
ESCONFBUILD**_*.SCA	ESCONF BUILD TOOL 7.30
ESMPBUILD**_*.SCA	ESMP BUILD TOOL 7.30
MMRSERVER**_*.SCA	MMR SERVER 7.30
NWTEC**_*.SCA	NW TECHNOLOGY TOOLS 7.30
MOINBUILD**_*.SCA	MOIN BUILD TOOL 7.30
SERVICECOMP**_*.SCA	SERVICE COMPOSITION 7.30

■ **Components of Composition Environment Platform (UT_NAME = COMP-ENV):**

Name of SCA	Description
BIBASEB**_*.SCA	BI BASE FOUNDATION 7.30
BIBASEE**_*.SCA	BI BASE EXPORT SERVICES 7.30
BIBASES**_*.SCA	BI BASE SERVICES 7.30
BIWDEXT**_*.SCA	BI WEB DYNPRO EXTENSIONS 7.30
CUWD4VCADPT**_*.SCA	CU WD FOR VC ADAPTERS 7.30
ECMADMIN**_*.SCA	ECM ADMINISTRATION 7.30
ECMAPPS**_*.SCA	ECM APPLICATIONS 7.30
ECMJEECOMP**_*.SCA	ECM JEE COMPONENT LIBRARY 7.30
ECMSTORE**_*.SCA	ECM STORE 7.30
EPADMIN**_*.SCA	EP ADMINISTRATION 7.30
EPBUILD**_*.SCA	EP BUILD TOOL 7.30
EPCONNECTIVITY**_*.SCA	EP CONNECTIVITY 7.30
EPMODELING**_*.SCA	EP MODELING 7.30
EPRUNTIME**_*.SCA	EP RUNTIME 7.30
UWLJWF**_*.SCA	UWL COLL PROCESS ENGINE 7.30
VCBASE**_*.SCA	VISUAL COMPOSER BASE 7.30
VCCORERT**_*.SCA	VC CORE RUNTIME 7.30
VCFRAMEWORK**_*.SCA	VISUAL COMPOSER FRAMEWORK 7.30
VCFREESTYLEKIT**_*.SCA	VC FREESTYLE KIT 7.30
VCKITBI**_*.SCA	VISUAL COMPOSER BI KITS 7.30
VTPBUILD**_*.SCA	VISUAL_PATTERN BUILD TOOL 7.30

Name of SCA	Description
WDEXTENSIONS**_*.SCA	WEB DYNPRO EXTENSIONS 7.30
WDFLEX**_*.SCA	WEB DYNPRO FLEX CLIENT 7.30

■ **Components of Business Process Management and Business Rules Management (UT_NAME = BPM):**

Name of SCA	Description
BPEMBASE**_*.SCA	BPEM BASE 7.30
BPEMBUILD**_*.SCA	BPEM BUILD 7.30
BPEMCONTENT**_*.SCA	BPEM CONTENT 7.30
BPEMCORE**_*.SCA	BPEM CORE 7.30
BPEMCUUI**_*.SCA	BPM CU UI 7.30
BPEMFACADE**_*.SCA	BPEM FACADE 7.30
BPEMFLEXUI**_*.SCA	BPEM ADOBE FLEX UIS 7.30
BPEMHIM**_*.SCA	BPEM HUMAN INTERFACE MGMT 7.30
BPEMMM**_*.SCA	BPEM METAMODEL BASIC LIB 7.30
BPEMMON**_*.SCA	BPEM NWA PLUG INS 7.30
BPEMPP**_*.SCA	BPEM PORTAL CONTENT 7.30
BPEMWDUI**_*.SCA	BPEM WEBDYNPRO UIS 7.30
BRMSBASE**_*.SCA	BRMS BASE 7.30
BRMSBUILD**_*.SCA	BRMS BUILD TOOL 7.30
BRMSCORE**_*.SCA	BRMS CORE 7.30
BRMSFACADE**_*.SCA	BRMS FACADE 7.30
BRMSMON**_*.SCA	BUSINESS RULES MONITORING 7.30
BRMSWDUI**_*.SCA	BRMS WEBDYNPRO UIS 7.30
CUBASEWDEXT**_*.SCA	CU BASE WD EXTENSIONS 7.30
FPINFRA**_*.SCA	FORMS INFRASTRUCTURE 7.30
THLCORE**_*.SCA	TASK HARMONIZATION LAYER 7.30

■ **Components of Enterprise Services Repository (UT_NAME = ESR):**

Name of SCA	Description
SAPXIESR**_*.SCA	ESR 7.30

6.2 Installation of Additional Usage Types to an Existing SAP System

Name of SCA	Description
SAPXIGUILIB**_*.SCA	PI GUI LIBRARY 7.30
XICNTSAPBASIS**_*.SCA	XI CONTENT SAP_BASIS 7.30

■ Components of Development Infrastructure (UT_NAME = DI):

Name of SCA	Description
DICBS**_*.SCA	DI COMPONENT BUILD SERVER 7.30
DICMS**_*.SCA	DI CHANGE MGMT. SERVER 7.30
DIDTR**_*.SCA	DI DESIGN TIME REPOSITORY 7.30
DINTY**_*.SCA	DI NOTIFICATION 7.30

■ Components of Guided Procedures (UT_NAME = CE-PROCESS):

Name of SCA	Description
GPCORE**_*.SCA	GUIDED PROCEDURES CORE 7.30
GPPP**_*.SCA	GUIDED PROCEDURES PP 7.30
GPVC**_*.SCA	GUIDED PROCEDURES UI ITG 7.30

■ Components of Demo Applications (UT_NAME = BASIC-RA):

Name of SCA	Description
CERAEDM**_*.SCA	EDM JAVA EE 5 REF APPL 7.30
SAPNWDEMO**_*.SCA	NW DEMO 7.30

■ Components of NWDS Update Site (UT_NAME = IDE-Update-Site):

Name of SCA	Description
IDEUPDSITETOOLS**_*.SCA	NWDS UPDATE SITE TOOLS 7.30

■ Components of Composition Voice (UT_NAME = CE-VOICE):

Name of SCA	Description
VOICERT**_*.SCA	VOICE RUNTIME 7.30
VOICEVC**_*.SCA	VOICE KIT VISUAL COMPOSER 7.30

- Copy the downloaded SCAs **and** the appropriate stack definition file to the JSPM inbox directory as described in the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Detecting and Changing the JSPM Inbox Directory ◀

Installation

1. Start JSPM as described in the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Starting JSPM ◀

2. We strongly recommend that you update JSPM to the most recent Support Package stack level as described in the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Applying Single Support Packages ◀

3. Depending on your SAP system landscape, you have to run different JSPM options:

- Run the option *Install Additional Usage Type* if the corresponding product is installed in the same system in which you start JSPM, as described in the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Installing an Additional Usage Type ◀

- Run the option *Deploying New Software Components* if the corresponding product is not installed in the same system in which you start JSPM, as described in the SAP Library at:

► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Deploying New Software Components ◀.

Post-Installation

After you have finished the deployment with JSPM, you need to perform initial configuration to complete the installation of additional usage types before you perform the actual configuration.



Caution

You must **not** run the Configuration Wizard for the added usage types. Instead, you have to configure them manually.

For **complete** configuration, use the configuration documentation for your product from the help portal or from SAP Solution Manager. For more information about how to create a project in SAP Solution Manager to generate configuration documentation, see:

► <http://help.sap.com> → SAP Solutions → SAP Solution Manager → Documentation for SAP Solution Manager → <current release> → SAP Solution Manager → Implementing and Upgrading SAP Solutions → Projects → Configuration ◀

6.3 Transporting Self-Developed Software Component Archives (SCA) into the System

Prerequisites

You have developed your own Software Component Archives (SCA) and want to transport them into your SAP NetWeaver system.

Procedure

1. Download the self-developed SCA files to the global EPS inbox directory.
2. Run the option *Deploying New Software Components* as described in the SAP Library at:
 ► <http://help.sap.com/nw73> → SAP NetWeaver 7.3 Knowledge Center → SAP NetWeaver Library → Administrator's Guide → Administration of SAP NetWeaver → General System Administration → Software Life-Cycle Management → Java Support Package Manager → Deploying New Software Components ◀

Only valid for: MaxDB

6.4 Troubleshooting – Repairing an Inconsistent SAP MaxDB Installation

Prerequisites

During the preinstallation phase, the installation tool checks the Microsoft Windows registry for already installed SAP MaxDB software.

If the registry key is found but there is no software on the hard drive, you receive the following message:

The existing MaxDB software is not consistent. Check the file system and registry.
 The most common reason for this inconsistency is the manual deletion of the software from the file system without using the specified tools.

Procedure

To repair this inconsistency, proceed as follows:

1. Choose ► Start → Control Panel → Administrative Tools → Services ◀.
2. Make sure the services SAPDBWWW, SAPDB: *, and XServer are stopped.
3. Choose ► Start → Run ◀ and run the command **regedit**.
4. Open ► My Computer\HKEY_LOCAL_MACHINE\SOFTWARE\SAP\SAP DBTech → Key IndepPrograms ◀.
 The key contains a path to a folder.
 - a) Check if this folder exists on the file system.
 - b) Note down the value of *Key IndepPrograms* for later usage in step 7.
 If the path does not exist in the file system, delete the key SAP DBTech.
5. Delete the following keys:

6.5 Restarting the SAP MaxDB Server Manually

- My Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SAP DBTech - *
 - My Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SAPDBWWW
 - My Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\XServer
6. Choose ► *Start* → *Control Panel* → *System* → *Advanced* → *Environment Variables* → *System Variables* → *Path* ⚡.
 7. Delete the following paths from the variable:
 - <InepPrograms>/bin
 - <InepPrograms>/pgm
 8. Restart your computer.

End of: MaxDB

Only valid for: MaxDB

6.5 Restarting the SAP MaxDB Server Manually

If the database server does not start automatically after a system restart, you have to manually restart the SAP MaxDB server manually.

Production Systems

To manually restart the SAP MaxDB server, proceed as follows:

1. Do one of the following:
 - Open a command prompt and enter the following command:
net start sapdbwww
 - Choose ► *Start* → *All Programs* → *Administrative Tools* → *Services* ⚡. Double-click *SAP DB WWW* and choose *Start*.
2. Open the SAP Management Console and choose ► *SAP Systems* → <SAPSID> → <machine name> ⚡.
3. Enter the master password and choose *Logon*.
4. Choose *Online*.

When the database server is online, you can restart the engine.

Development Systems

To manually restart the SAP MaxDB server, choose ► *Start* → *All Programs* → *SAP NetWeaver Composition Environment CE* → *Application Server* <SAPSID> → *Start Application Server* ⚡.

End of: MaxDB

Only valid for: MS SQL Server

6.6 Restarting the MS SQL Server Manually

If the database server does not start automatically after a system restart, you have to restart the MS SQL Server manually.

Procedure

To restart the MS SQL Server manually, proceed as follows:

1. Choose ► *Start* → *All Programs* → *Administrative Tools* → *Services* ⚡.
2. Find the service named *SQL Server <name>*, where <name> is MSSQLSERVER for the default instance or <instance name> for a named instance.
3. In the context menu of the *SQL Server <name>*, choose *Start* if the service is not started.
4. To make sure that the service is started automatically after each system restart, right-click it, choose *Properties*, and select the *Automatic* startup type.

End of: MS SQL Server

6.7 Uninstalling SAP NetWeaver Composition Environment

You have to uninstall all components of the SAP NetWeaver system separately.

Uninstalling SAP NetWeaver

Choose ► *Start* → *Control Panel* → *Add / Remove programs* → *SAP System<SAPSID>* ⚡.

OR

Choose ► *Start* → *Programs* → *SAP NetWeaver Composition Environment* → *SAP System<SAPSID>* → *Uninstall* ⚡.

Uninstalling SAP NetWeaver Using SAPinst

1. Insert the SAP Installation Master DVD into your DVD drive or mount it locally.
2. Start SAPinst from the SAP Installation Master DVD as described in the section *Installing SAP NetWeaver Developer Workplace* [page 13].
3. Choose *Uninstall* from the tree structure In the *Welcome* screen.
4. Follow the on-screen instructions.

Uninstalling SAP NetWeaver Developer Studio

Prerequisites

Before uninstalling SAP NetWeaver Developer Studio, consider the following:

- All additionally installed features and plug-ins that were installed to the same folder as Developer Studio, for example, by using the Eclipse Update Manager, are also removed.
- There may be other directories and files in the installation directory, especially `<install_dir>/eclipse/workspace/`, `<install_dir>/eclipse/links/`, and `<install_dir>/eclipse/configuration/` that contain important data. The files and folder as well as the existing workspaces are retained when the product is uninstalled.

Procedure

To remove SAP NetWeaver Developer Studio, you have to delete the folder that contains the Developer Studio files.

Uninstalling the SAP Management Console

Since all SAP systems use the SAP Management Console, there is no uninstallation option for the SAP Management Console with SAPinst. If you are sure that you do not need the SAP Management Console any more, you can remove it using ► *Start* → *Control Panel* → *Add / Remove programs* ◀.



Recommendation

We recommend that you check the *Log Analyzer* [\[page 21\]](#) after the uninstall process has finished.

Typographic Conventions

Example	Description
<Example>	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, “Enter your <User Name> ”.
▶ <i>Example</i> → <i>Example</i> ◀	Arrows separating the parts of a navigation path, for example, menu options
Example	Emphasized words or expressions
Example	Words or characters that you enter in the system exactly as they appear in the documentation
http://www.sap.com	Textual cross-references to an internet address
/example	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
123456	Hyperlink to an SAP Note, for example, SAP Note 123456
<i>Example</i>	<ul style="list-style-type: none"> Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options. Cross-references to other documentation or published works
Example	<ul style="list-style-type: none"> Output on the screen following a user action, for example, messages Source code or syntax quoted directly from a program File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
EXAMPLE	Keys on the keyboard

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SAP AG

Dietmar-Hopp-Allee 16
69190 Walldorf

Germany

T +49/18 05/34 34 34

F +49/18 05/34 34 20

www.sap.com