

SAP Enhancement Package 8 for SAP ERP 6.0 Java

Document History



Caution

Before you start the implementation, make sure you have the latest version of this document. For the latest version, see service.sap.com/instguides.

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

Table 1

Version	Date	Description
1.0	2016-01-20	Initial version

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Only valid for: Enhancement Package Installation;Installation;Upgrade |

1 Getting Started

Only valid for: Enhancement Package Installation;Upgrade |

This section of the guide contains important information that you need to read before starting your update or upgrade process.

End of: Enhancement Package Installation;Upgrade |

Only valid for: Enhancement Package Installation;Installation;Upgrade |

1.1 Essential Information: Process and Documentation Overview

Only valid for: Enhancement Package Installation;Upgrade |

This guide contains information specific to SAP ERP only, but you need additional information to perform your update correctly.

End of: Enhancement Package Installation;Upgrade |

Only valid for: Enhancement Package Installation;Upgrade |

Software Update Manager

In addition to the application-specific guide, you use the Software Update Manager (SUM) for the upgrade or update.

The following table contains definitions of these terms:

Table 2

Term	Definition
<i>Update</i>	Installation of an enhancement package in an existing SAP system.
<i>Upgrade</i>	Upgrade to an SAP system including an enhancement package.

The Software Update Manager (SUM) guide contains information on the overall process, tools, the operating system and the database, while this guide contains the application-specific information.

For the SUM guides, see SAP Help Portal at ► help.sap.com/slttoolset ► *System Maintenance* ► *Software Update Manager (SUM)* ►

End of: Enhancement Package Installation;Upgrade |

Master Guide

- Make sure that you also read the Master Guide for SAP Enhancement Package 8 for SAP ERP 6.0. The Master Guide provides you with the overall view of the implementation process, meaning installation, upgrade or update processes, and with references to important information during implementation.
- Make sure that you collect all the information about planning and implementation processes that is contained in the Master Guide before starting your installation, upgrade, or update project.

- Make sure that you have downloaded the latest version of the *Master Guide SAP Enhancement Package 8 for SAP ERP 6.0* from SAP Service Marketplace at ► service.sap.com/erp-ehp8-inst ►.

More Information

You can access documentation for all maintained product releases on SAP Help Portal at ► help.sap.com/erp ►.

Target Release Documentation

The documentation for the target release is not available online in your system until you have completed the upgrade and the installation procedure for the online documentation.

Before the upgrade, ensure that you can read the DVD offline. After the upgrade, you need to install the documentation for the target release.

For SAP Library for SAP ERP 6.0 including SAP enhancement package 8, see SAP Help Portal at ► help.sap.com/erp ►.

SAP Fiori Apps

For more information regarding SAP Fiori apps, see *SAP Fiori for SAP ERP* in the documentation of SAP ERP on SAP Help Portal at ► help.sap.com/erp ►.











End of: Enhancement Package Installation;Installation;Upgrade |

1.2 Important SAP Notes

Only valid for: Enhancement Package Installation;Upgrade |

Table 3

Note Number	Title	Comment
1816819 ►	<i>Dual Stack Support for Business Suite systems</i>	Contains information about a dual-stack split required for the upgrade to SAP Business Suite 7i2016 or SAP NetWeaver 7.5.
1815263 ►	<i>Upgrade to EHP8 for SAP ERP 6.0 Java (start release)</i>	Contains information about the upgrade to SAP enhancement package 7 or SAP enhancement package 8 for SAP ERP 6.0 if Java instances are installed.
2171334 ►	<i>Release Information Note SAP EHP8 for SAP ERP 6.0 – SP Stacks</i>	Contains information and references to SAP Notes for applying Support Package (SP) Stacks of SAP enhancement package 8 for SAP ERP 6.0.

Note Number	Title	Comment
849887 	<i>Release Information Note SAP ERP 6.0</i>	Contains a list of all SAP ERP 6.0 Release and Information Notes (RIN) that have been issued for SAP ERP 6.0.
998833 	<i>Release Restrictions SAP ERP 6.0 - Enhancement Packages</i>	Provides information about the limitations for SAP enhancement packages for SAP ERP 6.0.
2258099 	<i>Enhancement package 8 for SAP ERP 6.0: Required SWC</i>	Describes the software components of your SAP system that you need to update in order to use enhancement package 8 functionality.
2167814 	<i>SAP Enhancement Package 8 for SAP ERP 6.0: Compatible Add-ons</i>	Informs you about the points you have to consider when you plan to run SAP enhancement package 8 for SAP ERP 6.0 together with an add-on in the same system.
156387 	Composite Note on Upgrade Problems for the SAP Component HR (Human Resource)	This is an HR-specific SAP Note.
774615 	<i>Support Package Levels for SAP ERP / SAP ECC Installations and Upgrades</i>	Contains information about the ABAP Support Package levels contained in the installations and release upgrades.
1000009 	<i>ASU Toolbox</i>	Contains information about the ASU Toolbox. The ASU Toolbox enables the customer to recognize the steps before and after the update that are required in addition to the actual technical update. Furthermore, the ASU Toolbox performs these steps in the system in a controlled manner.
1600482 	<i>Hierarchical access functionality</i>	Contains upgrade SAP Note describing an incompatible change.
1592495 	<i>Information for Portal Content</i>	Contains information about portal roles and functions.
1563579 	<i>Central Release Note for Software Logistics Toolset 1.0</i>	Contains a link to the note of the latest SL Toolset SPS Note, which contains all information about the available tools with their correct versioning/SP level.

End of: Enhancement Package Installation;Upgrade |

1.3 Naming Conventions

Only valid for: Enhancement Package Installation;Installation;Upgrade |

Instance Name

In this document, `<instance_name>` is used as a placeholder for the instance name in the instance directory path of your system.

For standalone Java systems, `<instance_name>` is substituted with `J<xx>` for the central or dialog instance, where `<xx>` stands for the instance number.



Example

If your instance number is `<00>`, then the Java instance number is `J00`.

End of: Enhancement Package Installation;Installation;Upgrade |

End of: Enhancement Package Installation;Installation;Upgrade |

2 Planning

Only valid for: Enhancement Package Installation;Upgrade |

This section of the guide contains important information that you need to read before starting your update or upgrade process.

End of: Enhancement Package Installation;Upgrade |

2.1 Supported Source Releases

This section provides an overview of the supported upgrade and update paths to SAP enhancement package 8 for SAP ERP 6.0.

Before the update or upgrade, your SAP system must have one of the source releases that have been released for this update and that apply to all databases.



Caution

If you have to apply Support Packages to your source release shortly before the upgrade or update, check whether the equivalent Support Package for the target release is already available. Otherwise this may delay your upgrade schedule.

Table 4

Table 5

Source Releases	Target Release	Upgrade Type
SAP ERP 6.0	SAP ERP 6.0 including SAP enhancement package 8 (based on SAP NetWeaver 7.5)	Enhancement package installation
SAP ERP 6.0 including SAP enhancement package 2 – 8	SAP ERP 6.0 including SAP enhancement package 8 (based on SAP NetWeaver 7.5)	Enhancement package update

Only valid for: Enhancement Package Installation;Upgrade |

Please note the following:

End of: Enhancement Package Installation;Upgrade |

Only valid for: Enhancement Package Installation;Upgrade |

- To be able to upgrade or update to SAP enhancement package 8 for SAP ERP 6.0, your start systems must have a minimum start SP of SAP NetWeaver. For more information on the equivalent NW SPs, see SAP Note [2167814](#).
 - Based on the Landscape Pattern (HUB or SIDECAR) defined in SMSY for the Java system, the Maintenance Optimizer will determine the corresponding SAP NetWeaver SP Stack. For more information, see SAP Note [1620472](#).
- Note that if you upgrade to SAP enhancement package 8, you must also upgrade your Java Hubs to SAP NW 7.31 or higher. This is to meet the interoperability requirements of SAP NetWeaver.

- You do not need to apply any additional new SP Stack to the technical instance defined as HUB if your JAVA instance is greater than or equal to the defined minimum SP Stack Level.

End of: Enhancement Package Installation;Upgrade |

Only valid for: Enhancement Package Installation;Upgrade |

2.2 Dual-Stack Split

Dual-stack systems are no longer supported for the upgrade target SAP enhancement package 8 for SAP ERP 6.0. For more information, see SAP Note [1818619](#).

If your SAP ERP system is currently implemented as a dual-stack system, you need to perform a split on your source system before starting the upgrade.

End of: Enhancement Package Installation;Upgrade |

Only valid for: Upgrade |

2.3 Upgrade Scope for ERP Java Components

The upgrade program detects which ERP Java components are installed in your source release system. The versions of the ERP Java components in the target release system depend on your selections in SAP Solution Manager Maintenance Optimizer. Based on your decision regarding the ERP usage types that you want to bind with SAP enhancement package 8 into the upgrade, the upgrade program either deploys the ordinary ERP 6.0 component versions, or the enhanced component versions. Since the upgrade program always deploys complete usage types, you may have a larger amount of software components installed in your target release system than in the source release system.

i Note

Since parts of SAP ERP 6.0, including SAP enhancement package 8 technical usage “Central Applications” Java, are deployed in your system, ensure that the corresponding ABAP back end is also enhanced.

Biller Direct

The deployment of the usage type Biller Direct includes the SAP Java Data Dictionary since it contains the XCM database tables.

End of: Upgrade |

Only valid for: Enhancement Package Installation;Upgrade |

2.4 Upgrade of Multiproduct Java Systems

The upgrade program can now handle the upgrade of multiproduct Java systems based on SAP NetWeaver 7.0.

End of: Enhancement Package Installation;Upgrade |

Only valid for: Enhancement Package Installation;Upgrade |

3 Preparation

This section of the guide contains important information about preparatory tasks that you need to complete before starting your update or upgrade process.

Only valid for: Enhancement Package Installation;Upgrade |

3.1 Free Space Requirements

Make sure that the system that you want to update (upgrade) has at least the following amount of free space:

Database-Independent

Table 6

Software Update Manager (SUM) Directory	Approximately 50 GB
Download Directory (temporary space requirement)	Approximately 10 GB
DIR_TRANS	Approximately 10 GB
Shadow System	Approximately the space required for your source release instance, that is, the size of the following directories: <ul style="list-style-type: none">• UNIX: <code>usr/sap/<sapsid></code>• Windows: <code><drive>:\usr\sap\<sapsid></code>• IBM i: <code>usr/sap/<SID></code>

Database-Dependent

Table 7

Free space in the database	Approximately 15 GB
----------------------------	---------------------

End of: Enhancement Package Installation;Upgrade |

Only valid for: EP Core (EPC) |

3.2 EPC: Preparations for Universal Worklist

Note

This section only applies if your source release is lower than the following SAP NetWeaver releases:

- SAP NetWeaver 7.0 SPS 18, patch level 6
- SAP NetWeaver 7.0 SPS 19, patch level 5

- SAP NetWeaver 7.0 SPS 20, patch level 4
- SAP NetWeaver 7.0 SPS 21, patch level 1
- SAP NetWeaver 7.0 SPS 22
- SAP NetWeaver 7.0 including enhancement package 1 SPS 06, patch level 2
- SAP NetWeaver 7.0 including enhancement package 1 SPS 07
- SAP NetWeaver 7.0 including enhancement package 2 SPS 03, patch level 1
- SAP NetWeaver 7.0 including enhancement package 2 SPS 04
- SAP NetWeaver Composition Environment 7.2, patch level 1
- SAP NetWeaver Composition Environment 7.2 SPS 01, patch level 1
- SAP NetWeaver Composition Environment 7.2 SPS 02, patch level 1
- SAP NetWeaver Composition Environment 7.2 SPS 03

Before the update, make sure that there is no data in the database table *KMC_WF_SUBSTITUTE*, since otherwise the UWL database upgrade fails.

Prerequisites

This step is only required if Knowledge Management and Collaboration is installed in your source release system.

Procedure

1. Export and back up the content of table *KMC_WF_SUBSTITUTE*, since otherwise the UWL database upgrade fails.
2. Delete this content from the table.

End of: EP Core (EPC)

End of: Enhancement Package Installation;Upgrade
--

4 Process


This section of the guide contains information about process-related application-specific tasks (in some cases, there are no application-specific tasks).

4.1 Note About the Process

The following table contains definitions of the terms “update” and “upgrade”:

Table 8

Term	Definition
<i>Update</i>	Installation of an enhancement package in an existing SAP system.
<i>Upgrade</i>	Upgrade to an SAP system including an enhancement package.

The update and upgrade processes are described in detail in the Software Update Manager (SUM) guide. The latest SUM 1.0 SP level can be found in the latest version of the SL Toolset 1.0 SPS level. See SAP Note [1563579](#)  for a information on the latest SL Toolset 1.0 SPS level.

The SUM guide contains information on the overall process, tools, the operating system, and the database, while this guide contains the application-specific information.

SAP ERP 6.0 enhancement package 8 requires application-specific steps for SAP HANA in the *Process* section. All generic steps are documented in the SUM guides.

For the SUM guides, see SAP Help Portal at ► help.sap.com/sltoolset  ► *System Maintenance* ► *Software Update Manager (SUM)* .

5 Follow-Up Activities

This section of the guide describes application-specific steps that have to be performed after the update or upgrade process is complete.

This section of the guide describes application-specific steps that have to be performed after the installation process is complete.

Only valid for: Upgrade | CRM Java Components (JCRM);Extended E-Selling Components (XECO) |

5.1 Performing Follow-Up Activities for the E-Commerce User Management

For each application in CRM Web Channel or ERP E-Commerce, a service user role and at least one Internet user role are available. For more information about the available roles, see the documentation in the Solution Manager.

Due to these changes, you have to perform updates in the user management as outlined below.

Procedure

Updating Customized User Roles

Adjust your user role copies according to the authorizations provided in the new application user roles. We recommend that you create role copies and refine authorizations with your own authorization values.


Creating Service Users

You have to create service users and assign them the appropriate service user role. Those service users have to be maintained for the destinations that contain the connection properties to the respective back-end system. For more information, see the next chapter.

Assigning Roles to Web-Based User Management

You have to assign new user roles to the Web-based user management using the following Customizing activity:

► *CRM* ► *Web Channel* ► *Basic Settings* ► *Internet User* ► *Web-Based User Management* ► *Set Up Roles for Web-based User Management* ►

Furthermore, adjust the role mapping to Enterprise Portal roles if your Web applications run in an Enterprise Portal. For more information, see SAP Note [713472](#) .

Assigning Roles to the Reference User

You have to assign new user roles to the reference users created for the Business-to-Consumer (B2C) application or for the Web-based user management application.

Internet User

You have to assign new user roles to your existing Internet users for the Web applications they have to use. To apply mass user changes, use the User Mass Maintenance (transaction SU10).

End of: Upgrade | CRM Java Components (JCRM);Extended E-Selling Components (XECO) |

Only valid for: Enhancement Package Installation;Upgrade | Extended E-Selling Components (XECO) |

5.2 Additional Follow-Up Activities for ERP E-Commerce

Only valid for: Upgrade | Biller Direct;CRM Java Components (JCRM);Extended E-Selling Components (XECO) |

5.2.1 Adjusting the XCM Configuration

As of SAP ERP 6.0, the Customizing data is stored in the database of SAP NetWeaver AS Java via XML files (`scenario-config.xml` and `config-data.xml`). The xml files are automatically imported into the database during the upgrade. As a follow-up activity, you have to check and adjust the configuration settings after the upgrade. For information about using the Extended Configuration Management (XCM) Administration tool, see the document *Installation Guide - SAP ERP <Release> on <Operating System>: <Database>*, section *Using Extended Configuration Management (XCM)*, or *SAP Solution Manager*.

Procedure

Entering Passwords

If you used the secure storage to encrypt passwords in the source release system, you need to reenter each password after the upgrade. Whenever XCM data was modified, the secure storage was used.

Performing Adjustments to Secured Connection Concept

In the new release, each session is switched to `https` by default. To be able to log on to a Web application, you have to check the XCM settings. Proceed as described below and adjust the XCM configuration:

1. Access the admin area of your Web application (`<host>:<port>/<application name>/admin` ↗).
2. Start the XCM Admin by following the link *Extended Configuration Management (XCM) Administration*.
3. Open the tree on the left by choosing ► *Start* ► *General Application Settings* ► *Customer* ► *Application Security* ► *application_security_config* ↴.
4. Choose *Edit*.
5. Define the following parameters:
 - `http.port.core`: the `http` port of the NetWeaver Application Server
 - `https.port.core`: the `https` port of the NetWeaver Application Server
 - `SSLEnabled`:
 - **true** = every session is switched to `https`
 - **false** = every session keeps the protocol that is currently used

See also SAP Knowledge Base Article [1647590](#) .

Configuring the jco Component

The `jco` component has been changed completely in this version. All known parameters have been replaced by a single parameter called `destination.default`. As a result, all existing custom `jco` components have to be re-created.

Note

When you delete the old custom component and use the same component name for the new one, you do not need to adapt the related scenario configurations.

Checking the XCM Configuration

In the new release, some new parameters and components are required in the XCM configuration. Furthermore, some of those that were used in the source release are no longer required. Those parameters that are no longer used are highlighted in yellow and their description starts with “OBSOLETE”. The description also contains information about what is used instead, or why the parameter is no longer required.

You need to check the complete configuration of each web application and perform all required configuration steps.

Note

You do not need to remove the obsolete parameters or components from the configuration.

End of: Upgrade Biller Direct;CRM Java Components (JCRM);Extended E-Selling Components (XECO)
End of: Enhancement Package Installation;Upgrade Extended E-Selling Components (XECO)
Only valid for: Upgrade Biller Direct;CRM Java Components (JCRM);Extended E-Selling Components (XECO)

5.3 Uploading XCM Configuration Data Manually

The Software Update Manager migrates the XCM configuration data automatically from the file system to the database of SAP NetWeaver Application Server Java. If an error occurs, this data might not be available after the upgrade and you will need to upload the data manually.

Prerequisites

You have access to the directory, in which the configuration files from the source release web applications are stored.

Procedure

1. Access the SAP E-Commerce Administration Console of the Web application for which you want to import the configuration (<http://<HOST>:<PORT>/<APP-NAME>/Admin>).
2. Follow the link [Extended Configuration Management \(XCM\) Administration](#) to access the XCM Administrator.

3. Choose ► **Start** ► **XCM Settings** ► on the left-hand side.
4. Choose **Edit** (in the right upper corner). In the Edit mode, you can see two new text fields and buttons below **Upload configuration data from file-system**.
5. Enter the path to the corresponding files or use the **Search** button to select them from the wizard.
The file `config-data.xml` contains the component configuration data; file `scenario-config.xml` contains the application configuration data.
6. Choose **Upload**.
7. Choose **Display** to return to the display mode.

End of: Upgrade | Biller Direct; CRM Java Components (JCRM); Extended E-Selling Components (XECO) |

Only valid for: Upgrade |

5.4 Performing Follow-Up Activities for the System Landscape Directory

The follow-up activities that you have to perform for the System Landscape Directory (SLD) depend on the situation in your source release system, that is, whether SLD was configured or not.

Procedure

- If the SLD was configured in your source release system, you must only perform the following two actions to enable the use of SLD in the upgraded system:
 - Configure the user management
Define security roles and assign users to these roles under:
► help.sap.com/nw75 ► **Function-Oriented View** <Language> ► **SAP NetWeaver Library: Function-Oriented View** ► **Software Life Cycle Management** ► **Configuring, Working with and Adminstrating System Landscape Directory** ► **Adminstrating the SLD** ► **Changing the SLD Configuration** ► **Configuring SLD User Authorizations** ►
 - Update the SLD content and data model
We recommend that you download the latest SLD content from SAP Service Marketplace and import it into the SLD.
For applicable SAP Notes and further information, see [Additional Online Information about SLD](#) under
► help.sap.com/nw75 ► **Function-Oriented View** <Language> ► **SAP NetWeaver Library: Function-Oriented View** ► **Software Life Cycle Management** ► **Configuring, Working with and Adminstrating System Landscape Directory** ►.
- If the SLD was not configured in your source release system but you want to use it in your target release system, you must perform all configuration activities that are described in the document *User Guide - System Landscape Directory of SAP NetWeaver*, section [Changing the SLD Configuration](#) available at sdn.sap.com/irj/sdn/nw-sld.

In either situation, you also need to configure the following SLD components:

- SLD Data Supplier
Proceed as described under:

► help.sap.com/nw75 ► *Function-Oriented View <Language>* ► *SAP NetWeaver Library: Function-Oriented View* ► *Software Life Cycle Management* ► *Configuring, Working with and Administrating System Landscape Directory* ►

- For ABAP systems, navigate to: ► *Connecting AS ABAP Systems to the SLD* ► *Configuring the SLD Data Supplier: Default Settings* ►
- For Java systems, navigate to: ► *Connecting AS Java Systems to the SLD* ► *Setting Up the SLD Data Supplier for Java-Based Systems* ►

- SLD Client

Proceed as described under:

► help.sap.com/nw75 ► *Function-Oriented View <Language>* ► *SAP NetWeaver Library: Function-Oriented View* ► *Software Life Cycle Management* ► *Configuring, Working with and Administrating System Landscape Directory* ► *Configuring Systems to Connect to SLD* ► *Connecting AS Java Systems to the SLD* ► *Configuring the SLD Client* ►

End of: Upgrade |

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 SAP software.

Cross-Phase Documentation

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:
 - On SAP Help Portal at help.sap.com ➔ [Glossary](#) ➤
 - In the SAP system in transaction `STERM`

SAP Library is a collection of documentation for SAP software covering functions and processes.

- Target group:
 - Consultants
 - System administrators
 - Project teams for implementations or upgrades
- Current version:
 - On SAP Help Portal at help.sap.com ➔ (also available as documentation DVD)

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 SAP NetWeaver. This document contains general guidelines and suggestions. SAP applications have a security guide of their own.

- Target group:
 - System administrators
 - Technology consultants
 - Solution consultants
- Current version:
 - On SAP Service Marketplace at service.sap.com/securityguide ➔

Implementation

The **master guide** is the starting point for implementing an SAP solution. It lists the required installable units for each business or IT scenario. It provides scenario-specific descriptions of preparation, execution, and follow-up of an implementation. It also provides references to other documents, such as installation guides, the technical infrastructure guide and SAP Notes.

- Target group:
 - Technology consultants

- Project teams for implementations
- Current version:
 - On SAP Service Marketplace at service.sap.com/instguides ➔

The **installation guide** describes the technical implementation of an installable unit, 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:
 - On SAP Service Marketplace at service.sap.com/instguides ➔

Configuration Documentation in SAP Solution Manager – SAP Solution Manager is a life-cycle platform. One of its main functions is the configuration of business scenarios, business processes, and implementable steps. It contains Customizing activities, transactions, and so on, as well as documentation.

- Target group:
 - Technology consultants
 - Solution consultants
 - Project teams for implementations
- Current version:
 - In SAP Solution Manager

The **Implementation Guide (IMG)** is a tool for configuring (Customizing) a single SAP system. The Customizing activities and their documentation are structured from a functional perspective. (In order to configure a whole system landscape from a process-oriented perspective, SAP Solution Manager, which refers to the relevant Customizing activities in the individual SAP systems, is used.)

- Target group:
 - Solution consultants
 - Project teams for implementations or upgrades
- Current version:
 - In the SAP menu of the SAP system under ► [Tools](#) ► [Customizing](#) ► [IMG](#) ►

Production Operation

The **technical operations manual** is the starting point for operating a system that runs on SAP NetWeaver, and precedes the application operations guides of SAP Business Suite. The manual 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.

- Target group:
 - System administrators
- Current version:
 - On SAP Service Marketplace at service.sap.com/instguides ➔

The **application operations guide** is used for operating an SAP application once all tasks in the technical operations manual have been completed. It refers users to the tools and documentation that are needed to carry out the various operations-related tasks.

- Target group:
 - System administrators

- Technology consultants
- Solution consultants
- Current version:
 - On SAP Service Marketplace at service.sap.com/instguides ➤

Upgrade

The **upgrade master guide** is the starting point for upgrading the business scenarios and processes 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 upgrade guides and SAP Notes.

- Target group:
 - Technology consultants
 - Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at service.sap.com/instguides ➤

The **upgrade guide** describes the technical upgrade of an installable unit, 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:
 - On SAP Service Marketplace at service.sap.com/instguides ➤

Release notes are documents that contain short descriptions of new features in a particular release or changes to existing features since the previous release. Release notes about ABAP developments are the technical prerequisite for generating delta and upgrade Customizing in the Implementation Guide (IMG).

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

Typographic Conventions

Table 9

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>".
► Example ► Example ▢	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
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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