Installation Guide
Document version: 1.0 – 2016-01-20

PUBLIC

SAP Enhancement Package 8 for SAP ERP 6.0

Java and ABAP

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

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Content

1 Getting Started 5
1.1 Essential Information: Process and Documentation Overview 5
1.2 Installation Information 6
1.3 Installation (ABAP) 7
1.4 Important SAP Notes 7
1.5 Naming Conventions 9

2 Process 11
2.1 Dual-Stack Split 11
2.2 Installation Process for SAP HANA 11

3 Follow-Up Activities 13
3.1 Implementing SAP ERP ABAP Add-On Components 13
3.2 Extended Configuration Management (XCM) 13
3.3 Basic Settings for ERP E-Commerce 20
Creating a Back-End User 20
Checking the Connection to the ABAP System 21
Configuring the TREX Service 21
3.4 Basic Settings for Java-Based Web Applications 22
Checking the Availability of SAP ERP Biller Direct 22
Checking the Availability of SAP ERP Utility Customer E-Services 23
Checking the Availability of Mobile Web Dynpro Java Applications for SAP Retail Store 23
Checking and Configuring the Installation of SAP ERP Learning Solution – Content Player 24

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Only valid for: ABAP;Java |

1 Getting Started

Only valid for: ABAP;Java |

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

End of: ABAP;Java |

Only valid for: ABAP;Java |

1.1 Essential Information: Process and Documentation Overview

Only valid for: ABAP;Java |

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

End of: ABAP;Java |

Only valid for: ABAP;Java |

SAP NetWeaver Server Installation Guides

Specifically, you need to use the SAP NetWeaver server Installation Guides (ABAP or Java versions) in parallel to the *Installation Guide for SAP ERP 6.0 Including Enhancement Package 8 ABAP and Java*. The SAP NetWeaver server Installation Guides contain information on the overall process, tools, the operating system and database, while this guide contains the application-specific information.

The SAP NetWeaver server Installation Guides are organized by database and operating system. For the installation guides, see SAP Help Portal at help.sap.com/sltoolset > *System Provisioning* > *Installation Option*

End of: ABAP;Java |

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.

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

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: ABAP;Java |

Only valid for: ABAP;Java |

1.2 Installation Information

In addition to the SAP NetWeaver Installation Guides and the application-specific guide, you need to consider the following information specific to SAP Enterprise Resource Planning (SAP ERP):

Media List for SAP Enhancement Package 8 for SAP ERP 6.0

The Media List contains the list of relevant installation media that you need to have available when you start the installation.

For the Media List, see service.sap.com/erp-ehp8-inst > *Media List for SAP enhancement package 8 for SAP ERP 6.0*.

SAP ERP Server Java installation

> **Note**
>
> You need to use the *Installation Guide - SAP Systems Based on the Application Server Java of SAP NetWeaver 7.5 on <OS>: <DB>* in parallel with this guide.
>
> For the SAP NetWeaver server Installation Guides, see help.sap.com//sltoolset > *Documentation section: System Provisioning* > *Guides for Systems Based on SAP NetWeaver 7.1 and Higher*.

End of: ABAP;Java |

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Only valid for: ABAP |

1.3 Installation (ABAP)

In EHP8 there is only one technical usage `Central Applications`, which contains all new business functions.

End of: ABAP |

1.4 Important SAP Notes

Only valid for: ABAP;Java |

Table 2

Note Number	Title	Comment
1816819	*Dual Stack Support for Business Suite systems*	Contains information about a dual-stack split required for the upgrade to SAP Business Suite 7i2016 or SAP NetWeaver 7.5.
2258099	*Enhancement package 8 for SAP ERP 6.0: Required SWC*	Contains information about the update of required software components.
998833	*Release Restrictions SAP ERP 6.0 - Enhancement Packages*	Provides information about the limitations for SAP enhancement packages for SAP ERP 6.0.
2171334	*EHP8 for SAP ERP 6.0 SP Stacks - Release & Information Note*	Contains information and references to SAP Notes for applying Support Package (SP) Stacks of SAP enhancement package 8 for SAP ERP 6.0.
1976498	*HRSP Information for HR Renewal 2.0*	Provides information on HR Support Packages of SAP enhancement package 8 for SAP ERP 6.0.
774615	*Support Package Levels for SAP ERP / SAP ECC Installations and Upgrades*	None
1258912	*PLM Core 7.00 Release Notes and Information*	None
1592495	*Information for Portal Content*	Contains a list of new portal roles and functions that are delivered with SAP enhancement package 6 for SAP ERP 6.0.
1627166	*Information about NWBC roles*	Contains a list of roles for the SAP NetWeaver Business Client (NWBC)

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Note Number	Title	Comment
		that are delivered by SAP enhancement package 6 for SAP ERP 6.0.
2167814	*SAP Enhancement Package 8 for SAP ERP 6.0: Compatible Add-ons*	Contains points to consider when planning to run SAP enhancement package 8 for SAP ERP 6.0 together with an add-on on the same system.
1514967	*SAP HANA: Central Note*	Central SAP Note for SAP In-Memory Appliance (SAP HANA).
1514966	*SAP HANA 1.0: Sizing SAP In-Memory Database*	Contains information about sizing for the SAP In-Memory Database (SAP HANA).
1793345	*Sizing for Suite on HANA*	Contains suite-specific sizing information for the SAP In-Memory Database (SAP HANA).
1681092	*Multiple SAP HANA databases on one appliance*	Contains support information and special considerations for multiple SAP HANA databases on a single SAP HANA appliance.
1826100	*Multiple applications SAP Business Suite powered by SAP HANA*	Contains support information and special considerations for multiple applications on a single SAP HANA system within SAP Business Suite.
1785057	*Recommendations for migrating suite systems to SAP HANA*	Contains recommendations for migrating suite systems to SAP HANA.
1794297	*Secondary Indexes for the business suite on HANA*	Contains information about when using secondary indexes is beneficial.
1798895	*Additional information for manual ABAP-on-HANA correction process*	Contains additional information for manual ABAP-on-HANA corrections.
1855666	*Suite on HANA: 3rd party Add-ons*	Contains information about running specific SAP HANA product versions together with a 3rd party add-on on the same system.
1781986	*Business Suite on SAP HANA Scale Out*	Contains information about scale out scenarios when migrating the SAP Business Suite from any database to SAP HANA Release SPS5.
1881281	*Business Suite on SAP HANA content activation problems*	Contains information on solutions for SAP HANA content activation problems that occur when nstallating or updating Business Suite on SAP HANA releases.

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Note Number	Title	Comment
2048896	*Hana Content activation check*	Contains information about checks to ensure that SAP HANA content is activated correctly.

End of: ABAP;Java |

1.5 Naming Conventions

Only valid for: ABAP |

SAP ECC System and SAP System

In this document, the term “SAP system” means the same as “SAP ECC system”. “SAP” is also used as a synonym for “SAP ECC” in terms such as “SAP start profile” or “SAP system language”.

End of: ABAP |

Only valid for: ABAP |

SAP System ID

In this document, the SAP system ID is abbreviated as “SAPSID” or “sapsid”. If “<sapsid>” is used, your SAP system ID must be in lowercase, for example “prd”. If “<SAPSID>” is used, it must be in uppercase, for example “PRD”.

End of: ABAP |

Only valid for: ABAP |

SAP R/3 Enterprise and SAP ERP Central Component

SAP ERP Central Component is the successor of SAP R/3 Enterprise. It consists of the SAP ERP Central Component Core with SAP ERP Central Component Extension Set. In this document, the following short forms are used:

- “SAP ECC” for “SAP ERP Central Component”
- “SAP ECC Core” for “SAP ERP Central Component Core”
- “SAP ECC Extension Set” for “SAP ERP Central Component Extension Set”

End of: ABAP |

Only valid for: ABAP |

SAP NetWeaver Application Server, SAP Web Application Server, and SAP Basis

SAP NetWeaver 7.0 renames SAP Web Application Server as SAP NetWeaver Application Server. In releases before 6.10, the component was called SAP Basis. In this document, the terms are used as follows:

- The term “SAP NetWeaver Application Server” (or the short form “SAP NetWeaver AS”) is used when referring to Release 7.0 and higher.
- The term “SAP Web Application Server” (or the short form “SAP Web AS”) is used when referring to releases between 6.10 and 6.40.

End of: ABAP |

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Only valid for: ABAP |

Usage of Release Names

Unless otherwise specified, the term “release” is used in this document to refer to the release of the SAP ECC system or SAP ERP system. The titles of product-specific sections start with the name of the product, for example, “SAP ECC: Backing Up UI Conversion Classes in ESS”.

The following table explains which release of SAP Basis, SAP Web Application Server, and SAP NetWeaver Application Server corresponds to which release of SAP R/3, SAP ECC and SAP ERP:

Table 3

SAP Basis / SAP Web Application Server / SAP NetWeaver Application Server	SAP ERP
SAP Web Application Server 6.40	SAP ERP 5.0
SAP NetWeaver Application Server 7.0	SAP ERP 6.0
SAP NetWeaver Application Server 7.0 including enhancement package 1	SAP ECC 6.04
SAP NetWeaver Application Server 7.0 including enhancement package 2	SAP ERP 6.05
SAP NetWeaver Application Server 7.0 including enhancement package 3	SAP ERP 6.06
SAP NetWeaver Application Server 7.40	SAP ERP 6.17
SAP NetWeaver Application Server 7.50	SAP ERP 6.18

End of: ABAP |

Only valid for: Java |

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: Java |

End of: ABAP;Java |

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Only valid for: SAP ERP | ABAP;Java |

2 Process

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

2.1 Dual-Stack Split

Dual-stack systems are no longer supported for the upgrade target SAP enhancement package 8 for SAP ERP 6.0. If your SAP ERP system is currently implemented as a dual-stack system, you need to perform a split. For information on how to perform a dual-stack split, see the following:

- SAP Note1686144
- SAP Note1655335
- Toolset Guides at help.sap.com/sltoolset > *Documentation section: System Provisioning* > *Split Option*.

Only valid for: ABAP;Java |

2.2 Installation Process for SAP HANA

This section provides an overview of the installation process steps for SAP enhancement package 8 for SAP ERP 6.0 to run on SAP HANA. It also provides references to the documentation required for the process steps.

The following table contains definitions of the most important terms used in this section.

Table 4

Term	Definition
Installation	New installation of an SAP system including an enhancement package. Note that this is different from an update; see definition below.
Update	Installation of an enhancement package on an existing SAP system.

The installation process consists of the following steps:

1. **Installation of SAP HANA**

   The SAP HANA appliance software can only be installed by certified hardware partners on validated hardware running a specific operating system. For more information, see help.sap.com/hana > *SAP HANA Appliance* > *System Administration and Maintenance Information* > *SAP HANA Technical Operations Manual (TOM)*.

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

> **Note**
>
> For initial sizing, use the Quick Sizer results for database size (DB Disk) and CPU requirements (DB SAPS) as input for SAP HANA Main Memory, disk space and CPU sizing. For the Quick Sizer, see SAP Service Marketplace at service.sap.com/quicksizer.
>
> Use the Quick Sizer results in combination with the information contained in SAP note 1793345.

2. **Installation of Application Function Libraries (AFLs)**

   Install the AFLs as described in the *SAP HANA Update and Configuration Guide* at help.sap.com/hana > *SAP HANA* > *SAP HANA Platform* > *Installation and Upgrade Information*.

3. **Installation of SAP Enhancement Package 8 for SAP ERP 6.0**

   General Information

   - SAP enhancement package 8 for SAP ERP 6.0, version for SAP HANA is based on SAP NetWeaver 7.5 – Application Server ABAP.

     SAP Note 2197259 describes all additional information that you require when upgrading to SAP NetWeaver 7.5.

   - The installation uses Software Provisioning Manager 1.0. Use the latest Software Provisioning Manager 1.0 SP level, which is included in the latest available SL Toolset 1.0 SPS version (see SAP Note 1563579 for SL Toolset 1.0).

   - With SAP enhancement package 8 for SAP ERP 6.0, the HANA content is activated automatically only with SAP NetWeaver AS ABAP 7.5 in combination with SAP HANA.

     HANA content is specific to the ABAP stack.

   ABAP-specific Information

   The installation ABAP Load (export from DVD) contains already all software components on EHP8 Level.

Related Guides

The following table lists the guides you need to use for the installation and where to find them:

Table 5

Guide	Use	Location
Master Guide for SAP Enhancement Package 8 for SAP ERP 6.0	Contains information on system setup (including how to deploy components not released for SAP HANA, such as Java components).	service.sap.com/erp-inst > *SAP enhancement packages for SAP ERP 6.0* > *SAP enhancement package 8 for SAP ERP 6.0*
Software Provisioning Manager 1.0 guide	Describes the tool-specific steps needed to perform the installation. Note that the Software Provisioning Manager has replaced SAPinst as the installation tool.	help.sap.com/sltoolset > *Documentation section: System Provisioning* > *Installation Option: Guides for Systems Based on SAP NetWeaver 7.1 and Higher*

End of: ABAP;Java |

End of: SAP ERP | ABAP;Java |

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

3 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: ABAP |

3.1 Implementing SAP ERP ABAP Add-On Components

You can install several add-on components to your SAP ERP ABAP system.

More Information

For a detailed description of how to implement each available SAP ERP add-on component, see the related SAP Notes on SAP Service Marketplace at service.sap.com/erp-inst > *SAP ERP 6.0* > *SAP Enhancement Packages for SAP ERP 6.0* > *SAP Notes (Enhancement Packages)*.

End of: ABAP |

Only valid for: Java |

3.2 Extended Configuration Management (XCM)

You use Extended Configuration Management (XCM) to configure Web applications once you have installed the Web components. You use it to make configuration settings needed at runtime.

The Web applications are used in the following scenarios:

- ERP E-Commerce
- Auctioning via Web Shop in CRM and ERP
- Utilities Customer E-Services (UCES)
- Interaction Center WebClient

You only need to set up XCM configuration settings for those Web applications that are relevant to the scenarios and processes you are using.

> **Note**
>
> To be able to use XCM for ERP E-Commerce, you need to have a JCo destination. As of E-Commerce 7.54, JCo connection properties are no longer maintained within XCM. These properties are now specified for a so-called destination that can be created within SAP NetWeaver Administrator (NWA). However, a reference to the respective destination is needed in XCM. The XCM JCo component has been re-designed to support that purpose. The destination can be selected now from a list of destinations that have been created before using

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

NWA. Guide *JCo 3.0 in Web Channel 7.54 - Configuration & Migration Help* available from SAP Service Marketplace at *http://service.sap.com/crm-inst* > *SAP CRM 7.0 Enhancement Package 4* > *Operate* documents the configuration steps in more detail.

The XCM user interface is used to configure the Web application in Java. You need to maintain two setting types in XCM:

- General settings

  Once set, these settings are valid for the whole Web application. You make these settings in the XCM tool under *Start* > *General Application Settings* > *Customer*.

- Additional Web application configuration settings

  Web applications can have multiple configurations with different settings. Depending on the configuration used, the application behaves differently at runtime. You can define a default configuration or select the configuration to be used at runtime.

  > **Caution**
  > Not all applications support multiple application configurations. Some support general settings only.

  Some Web applications can run different configurations in different client sessions simultaneously.

  Each Web application provides one or more configurations predefined by SAP, which you can find under *Start* > *Application Configurations* > *SAP*.

  You can create a new customer configuration based on these predefined configurations and adjust it to suit your requirements. You then locate your customer configuration under *Start* > *Application Configurations* > *Customer*. Each customer configuration contains the following:

  - A name for the configuration
  - Base configurations (from SAP on which you base your configuration)
  - A number of configuration parameters with associated values, which you adjust

The final Web application configuration is composed of the combination of these two setting types.

Procedure

The following steps explain how to configure a Web application in XCM, assuming you have installed the application.

Starting XCM

1. You access the XCM tool at **`http://<host>:<port>/<web app name>/admin/xcm/init.do`**.

   > **Note**
   > You can also start XCM in accessibility mode (according to Section 508 of the Rehabilitation Act) at the following URL: **`http://<host>:<port>/<web app name>/admin/xcm/init.do?sap-accessibility=x`**.

2. Enter a user and password. If you are logging on for the first time, use the administrator user and password that you defined when installing SAP NetWeaver.

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

> **Recommendation**
>
> For the administration of Web applications, we recommend that you create new users with an authorization level lower than the administrator.

3. When the application opens, a closed UI element tree is displayed on the left-hand side of the screen. A screen containing help information is displayed on the right-hand side.

   In XCM, you can use edit mode (change settings) or display mode (view settings). You use the button in the top right corner of the screen to switch between modes. When you switch to edit mode, a database lock is set, meaning that only that user can edit the settings at that time. The lock is released when the user switches back to display mode or after session timeout (default timeout is 30 minutes).

Changing the language

This section describes how to change the language of your application.

You can change the language of your application either by using the XCM UI configuration or by adjusting the `web.xml` file.

XCM UI Configuration

1. Start the *Extended Configuration Management (XCM) Administration* page.
2. Select *Application Configuration* > *Customer* > *<your application configuration>*.
3. Choose *Display* to display all advanced settings parameters.
4. Choose `ui` and then, in the `language` parameter, specify the language you want to use.
5. Restart the application.

Adjusting the web.xml File

1. Navigate to the directory where the application has been deployed.
2. Open the `web.xml` file (`<folder-path-to-application>\servlet_jsp\<application>\root\WEB-INF\web.xml`).
3. Check whether the `language.isa.sap.com` parameter is available. If this parameter is available, the application uses the language specified there.
4. If you want to change the language, you have to define the new language in the `language.isa.sap.com` parameter and restart the application.

Printable Help

There is a printable help function for the configuration of the application and components. To access it, select *Help* in the header area of the main *XCM Administration* window. The documentation contains hyperlinks to more detailed information. The documentation discusses the general settings separately.

General Settings

When you set the general settings, they are valid for the whole Web application. Proceed as follows:

1. Switch to edit mode and choose *Start* > *General Application Settings* > *Customer*.

   The system displays the available nodes categorizing the general settings. Depending on the application, you will have one or more nodes. For more information about the possible settings, see the printable help.
2. Expand a configuration node and select the configuration node on the right-hand side to see possible configuration parameters in the window on the right-hand side.
3. Select a parameter and enter the values that meet your requirements. Each parameter contains a help description with information about what you need to enter.

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Some parameters have default values set. When you change the values of these default parameters, the system displays them in orange. You can revert back to the original default entries by selecting *R (revert)*.

4. Choose *Save Configuration*.

If your Web application does not support multiple configurations, you are now finished with the general settings section. To activate your changes, you can return to display mode and restart the Web application.

If your application supports multiple configurations, see the section “Multiple Application Configurations” below.

Multiple Application Configurations

Once you have made the general settings, you can configure the various configurations that you need.

Standard SAP Configuration

You need to identify which SAP application configurations are standard. In more complex applications, such as ERP E-Commerce, there are several pre-configured applications. In simpler applications, such as the user management application, there are normally fewer application configurations; possibly only one. You display the list of pre-configured scenarios under *Start* > *Application Configurations* > *SAP* in the UI element tree. Search the configurations and choose the one that most suits your requirements.

Create a Customer Application Configuration

Once you have selected a configuration, switch to *Edit* mode.

1. Enter a configuration *Name* and choose *Create*.
2. Link configuration data to the configuration parameters. The last column of the parameter table contains a description of the scenario of each configuration parameter.

> **Note**
>
> During installation, only those parameters that are needed to get the application running need to be displayed. To view and edit optional parameters, choose *Display* > *Advanced Settings*.

Configure a Customer Application Configuration

Once you have created the application configuration, you need to configure it by changing the parameter values.

1. Select *Configuration Documentation* to see a list of the parameters to be configured.
2. Select a parameter and use the dropdown list box to assign a value. Choose the *?* help button next to the dropdown list box to display a description of possible values. If there are other detailed descriptions for a parameter, an additional *?* button is displayed.
3. There are two value types:
   - Static values

     Values that can be selected from a dropdown list box.

     These values do not have a button in the *Component Configuration* column.
   - Values based on component configuration

     You must first configure a component, such as a connection to your SAP CRM system, before you can assign the configured value to the parameter. These parameters have a button in the *Component Configuration* column. For example, there is a *jco* button for configuring connection parameters to the SAP system.

     If no value is assigned to these parameters, you need to create a new component configuration. For more information, see the section “Creating a New Component Configuration”.

     If a value is assigned, it is likely that you will not need to make any changes during the installation.

Creating a New Component Configuration

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

A component is an independently configurable part of the application (for example, the *jco* component that enables connections between the SAP system and the Web application). A component can have several configurations, for example, for different systems and clients. You assign one of the component configurations to the parameter in the application configuration. We recommend that you create the component configuration at the same time as you set up the application configuration.

1. Select an empty entry in the dropdown list box for the parameter, or choose *** Select to create component configuration ***. The system switches to the *component creation* screen. The correct component (for example, *jco*) is selected automatically and the system displays a description of the use of the component.
2. Enter a name for the component configuration (for example, Q5C_505 for the Q5C system in client 505) and choose *Create*. The application switches to the *component configuration details* screen.
3. Select a base configuration from the *Base Configuration* dropdown list box. Choose the *?* button, to display a description.
4. Enter values for the component configuration parameters and choose *Save Configuration*. Test your values in the *Configuration Test* area.

Testing a Component Configuration

Once you have created the component configuration, save it and test it as follows:

1. Select the test for the configuration from the *Select Test* dropdown list box. Choose the *?* button, to display a description.
2. Choose *Run Test*.
3. The system displays the test results in a new window. A red traffic light indicates that the test failed and you need redo the configuration. A green traffic light indicates that the test was successful.
4. Select *Back to Application Configuration*, to return to the application configuration. Select the newly created configuration from the dropdown list box, and assign it to the scenario parameter.

Defining a Default Application Configuration

You perform this step after you have assigned values to all configuration parameters. If you have only one application configuration, the system will use it automatically when you start the application. If you have more than one application configuration, you need to select the *Default Configuration* checkbox for one of the configurations so that the system will run this one as the default when you start the application.

> **Note**
>
> A green icon in the UI element tree indicates the default configuration.

Saving the Application Configuration

Once you have assigned values to all your application configuration parameters, you need to save the configuration.

1. Choose *Save Configuration*.
2. Select the *Active Configuration* checkbox to enable the configuration. If you do not select this checkbox, the configuration will be disabled and will not run when you start the application.

   > **Note**
   >
   > A red icon indicates that the configuration is disabled.

3. The system saves the new application configuration to the SAP NetWeaver Application Server 7.0 and it can then be displayed in the *customers* section of the UI element tree in XCM.

Activating the Application Configuration

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Before a new application configuration can become active, you need to either stop and restart the Web application or restart the SAP NetWeaver Application Server Java.

1. Go to SAP NetWeaver Administrator using the following URL: <hostname_of_Java EE_Engine_Server>:<Instance_Number>00/nwa
2. Go to the *Operations* tab.
3. Choose *Start & Stop*.
   - To start and stop Java applications, go to the *Java Applications* tab.
   - To start and stop Java application server instances, go to the *Java Instances* tab.

Running the Web Application

When you run the Web application, if there is more than one application configuration, you need to specify which one is to be used. You can specify this as follows:

- Use the default configuration. Start the application and the configuration you set as the default will be used. If you have only one configuration, it will be the default automatically. For example, if you want to call the default configuration for the B2B Web shop, the corresponding URL is: **`http://<host>:<port>/b2b/b2b/init.do`**.
- Specify the application configuration name as a request parameter. In this case, you run the application using an application configuration that is not the default. You use the request parameter scenario.xcm to transfer the name of the application configuration when you call the application. The scenario name is case sensitive. For example, if you want to call the application configuration *B2BCRM*, the corresponding URL is: **`http://<host>:<port>/b2b/b2b/init.do?scenario.xcm=B2BCRM`**.
- Display a home page that contains links to all active configurations and uses the appropriate link to start the specific application configuration.

> **Caution**
>
> The home page is disabled after installation. You use the following XCM parameters to enable it: *Start* > *General Settings* > *< Web application name>* > *show.start.jsp*.

Uploading and Downloading XCM Settings

You can upload and download application configurations. In XCM, choose *Start* > *XCM Settings* and you can view the upload and download sections. Each section refers to the following two objects:

- Component configuration data
- Application configuration data

These two objects make up the application configuration of a Web application.

Downloading XCM Configurations

This enables you to download an XCM configuration from the SAP NetWeaver Application Server 7.0 database to XML files. Proceed as follows:

1. Choose the *download* button for the component configuration data file. The system generates a file named `config-data.xml` that contains all component configuration data saved for the Web application.
2. Choose the *download* button for the application configuration data file. The system generates a file named `scenario-config.xml` that contains all application configuration data saved for the Web application.

Uploading XCM Configurations

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

This function enables you to upload XCM configuration data from XML files to the SAP NetWeaver Application Server 7.0 server. Proceed as follows:

1. Choose *Edit*.
2. The system displays two file input fields in the *Upload* section.
3. Specify the `config-data.xml` (component configuration) and `scenario-config.xml` (application configuration) files, with complete file system paths for both files, and choose *Upload*.

> **Note**
>
> For the B2B and B2C Web applications in ERP E-Commerce, the XCM administration tool provides a switch to a separate maintenance view for the IPC-specific part of the application (see “IPC Switch for XCM Configuration of ERP E-Commerce”, below). When switching to IPC, you can upload and download the IPC application configuration and component configuration. The IPC application configuration file is `ipcscenario-config.xml`; the component configuration file is `ipcconfig-data.xml`.

> **Caution**
>
> After migrating XCM settings from an older to a newer Web application version, you need to check whether any of the customer XCM settings are obsolete (see “Indication of Obsolete XCM Settings” below). The new version may require you to change XCM settings, or give you the option of maintaining additional XCM settings. You add these settings manually, as described in the section “Configure a Customer Application Configuration” above.

4. Assign passwords to the individual files.

   After you have uploaded the `config-data.xml` file, you have to enter the XCM passwords anew. Otherwise you cannot perform the test successfully.

Indication of Obsolete XCM Settings

After migrating XCM settings from an older version to a newer Web application version, some settings may no longer be supported in the new version. If these settings were made by the customer, meaning that they have been changed from the default values provided by SAP, the system will highlight them in yellow to indicate them as obsolete. The following parameters can be specified as obsolete:

- Application configurations (exclamation mark on a yellow background)
- Application configuration parameters (highlighted in yellow)
- Components (exclamation mark on a yellow background)
- Component configurations (exclamation mark on a yellow background)
- Component parameters (highlighted in yellow)

IPC Switch for XCM Configuration of ERP E-Commerce

The ERP E-Commerce B2B and B2C Web applications each support two application configurations that must be maintained separately:

- The *E-Commerce* application configuration, which allows the configuration of the overall application
- The *IPC* application configuration, which allows additional configuration of the IPC-specific part of the application

When you start the XCM administration tool for B2B or B2C, a dropdown list box is displayed in the upper left-hand corner of the screen. This dropdown list box enables you to switch between the maintenance views for the *E-Commerce* and *IPC* application configurations. All features of the XCM administration tool, meaning the

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

maintenance, upload, and download of application configurations, can be used separately for both the *E-Commerce* and *IPC* application configurations.

End of: Java |

Only valid for: Java |

3.3 Basic Settings for ERP E-Commerce

Only valid for: Java |

3.3.1 Creating a Back-End User

You need service users to provide the anonymous remote function call (RFC) stateless connection between your back-end system and your Web-based applications.

Prerequisites

You have installed and configured ERP E-Commerce Web-based applications.

Procedure

You create a service user in your back-end ERP system and assign it to the Web-based application as follows:

1. In your ABAP back-end system, from the SAP Easy Access Menu, choose *Tools* > *Administration* > *User Maintenance* > *Users* (transaction SU01).
2. Create a user of the type Service User and enter all required data.
3. Assign the appropriate service user authorization role to the user on the *Roles* tab. For a list of service user roles for the various Web-based applications, see the following table:

   Table 6

Application	Authorization Role for Service User
B2C	SAP_ISA_B2C_RFC
B2R	SAP_ISA_B2B_RFC
Shop Management	SAP_ISA_SHOPMGMT_RFC
User Management	SAP_ISA_UADM_RFC

4. *Save* your entries.

End of: Java |

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Only valid for: Java |

3.3.2 Checking the Connection to the ABAP System

This section describes how to check the connection to the ABAP system.

Prerequisites

To be able to test the connection to the ABAP system, you need to *create a user* [external document] on this system.

Procedure

1. Open the user interface for the Extended Configuration Management (XCM) Administrator as follows:
   1. Open a Web browser and enter the following URL:

      `http://<J2EE_host>:<J2EE_port>/<context root>/admin/xcm/init.do`

      where `<context root>` is the context root of the application.

      To find information about the components that can be configured, choose *help*.
   2. Log on with the previously created user.
   3. Choose *Start* > *Component*.

      You can find information about configuration of components on the right-hand side of the screen.
   4. To create a JCo component, follow the instructions provided above.
   5. Execute the *run test* operation for the JCo component. If this is successful, the ABAP system can be reached from the Java system.

More Information

For more information about using Extended Configuration Management (XCM) to configure your application, see *Extended Configuration Management (XCM)* [external document].

End of: Java |

Only valid for: Java |

3.3.3 Configuring the TREX Service

You need to configure and check the Search and Classification (TREX) service.

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

Procedure

To configure the TREX service, you have to do the following:

1. Start SAP NetWeaver Administrator (NWA).
2. Choose tab ▶ *Configuration* ▶ *Infrastructure* ▶ *Java System Properties* ▶.
3. Choose tab *Service* and filter for *TREX Service*.
4. Maintain the values for `nameserver.address` and `nameserver.backupserverlist` in the details table.

For more information, see *Specifying the Address of the TREX Name Server* in the TREX installation guide at:

▶ service.sap.com/instguides ▶ *SAP NetWeaver* ▶ *SAP NetWeaver <version>* ▶ *Installation* ▶ *Installation - Standalone Engines* ▶ *SAP NetWeaver Search and Classification TREX* ▶ *Installing and Updating TREX 7.1 Single Host* ▶.

End of: Java |

End of: Java |

Only valid for: Java |

3.4 Basic Settings for Java-Based Web Applications

Only valid for: Java |

3.4.1 Checking the Availability of SAP ERP Biller Direct

After installing your SAP system, you check the availability of SAP ERP Biller Direct (BD).

Procedure

Open a Web browser and enter the following URL:

`http://<J2EE_host>:<J2EE_port>/bd`.

A message is displayed asking you to configure the application using Extended Configuration Management (XCM). This message also indicates that BD is available.

> **Note**
>
> If you want to configure BD using XCM, enter the following URL in your browser:
>
> **`http://<J2EE_host>:<J2EE_port>/bd/admin/xcm/init.do`**

More Information

Biller Direct is used in various electronic bill presentation and payment processes, such as *FI-AP: Electronic Bill Presentment and Payment* or *FI-AR: Electronic Bill Presentment and Payment (B2B)*

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

For more information about how to configure BD using XCM, see the configuration documentation for these processes in SAP Solution Manager.

This documentation is also available in SAP Library at help.sap.com > *SAP ERP* > *SAP ERP Enhancement Packages* > *<language>* > *SAP ERP Central Component* > *Financials* > *SAP Financial Supply Chain Management (FIN-FSCM)* > *Electronic Bill Presentment and Payment*.

.

End of: Java |

Only valid for: Java |

3.4.2 Checking the Availability of SAP ERP Utility Customer E-Services

After installing your SAP system, you check the availability of SAP ERP Utilities Customer E-Services (UCES).

Procedure

Open a Web browser and enter the following URL:

`http://<J2EE_host>:<J2EE_port>/bdisu`.

A message is displayed asking you to configure the application using Extended Configuration Management (XCM). This message also indicates that UCES is available.

> **Note**
>
> If you want to configure UCES using XCM, enter the following URL in your browser:
>
> **`http://<J2EE_host>:<J2EE_port>/bdisu/admin/xcm/init.do`**.

For more information about UCES, see SAP Note 1251875.

End of: Java |

Only valid for: Java |

3.4.3 Checking the Availability of Mobile Web Dynpro Java Applications for SAP Retail Store

After installing your SAP system, you check the availability of mobile Inventory Management applications with Web-Dynpro Java for SAP Retail Store (IS-R-SRS).

Procedure

Open a Web browser and enter the following URL:

`http://<J2EE_host>:<J2EE_port>/webdynpro/dispatcher/sap.com/is~isr~srs~men~app/MainApp`.

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

If the start page of IS-R-SRS appears in the browser, this indicates that IS-R-SRS are available.

> **Note**
>
> If you want to configure IS-R-SRS, enter the following URL in your browser:
>
> **`http://<host>:<port>webdynpro/dispatcher/sap.com/tc~wd~tools/Explorer`**

For more information about IS-R-SRS, see SAP Note 1070682.

End of: Java |

Only valid for: Java |

3.4.4 Checking and Configuring the Installation of SAP ERP Learning Solution – Content Player

To check whether the installation of SAP ERP Learning Solution – Content Player (LSOCP) was successful, you need to make sure that you can access the *Configuration Content Player* Web page. Then you can configure LSOCP.

Procedure

Performing the Installation Check

1. Open a Web browser.
2. Enter the following URL:

   `http://<J2EE_host>:5<Instance_Number>00/lms/mediator/config`.

If the installation was successful, you see the *Configuration Content Player* Web page.

You can now start configuring LSOCP.

Accessing Configuration Documentation

For extensive configuration documentation, see SAP Solution Manager ▶ *<project name>* ▶ *SAP ERP* ▶ *Scenarios* ▶ *Human Capital Management Processes in ERP* ▶ *Business Processes* ▶ *Managing Enterprise Learning Strategies* ▶.

End of: Java |

End of: Java |

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

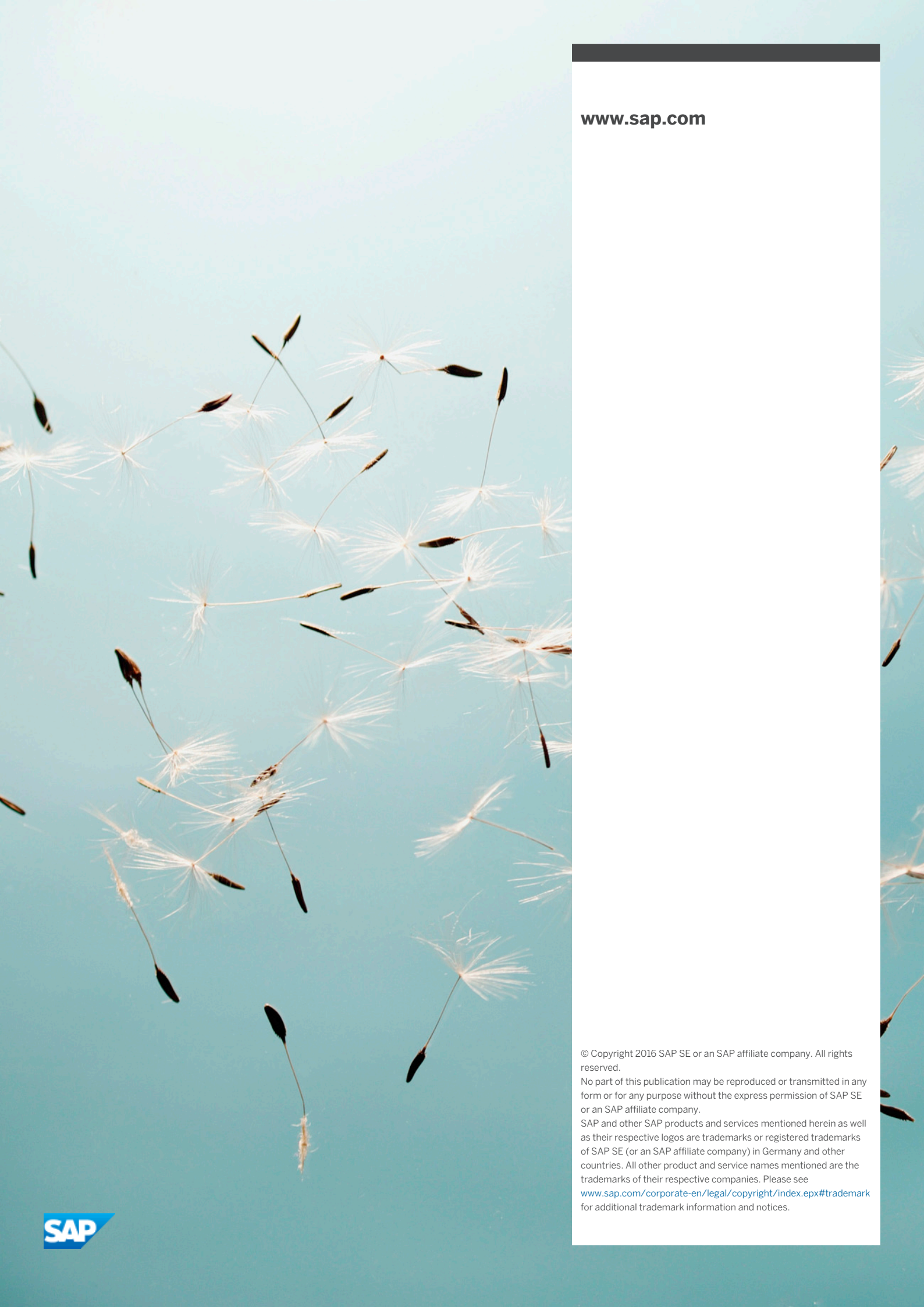
Typographic Conventions

Table 7

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
Example	• 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`	• 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

PUBLIC
© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.

© Copyright 2016 SAP SE or an SAP affiliate company.
All rights reserved.



www.sap.com

© Copyright 2016 SAP SE or an SAP affiliate company. All rights reserved.
No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.
SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. Please see www.sap.com/corporate-en/legal/copyright/index.epx#trademark for additional trademark information and notices.