



UPGRADE AND UPDATE GUIDE | PUBLIC

SAP NetWeaver AS for ABAP 7.52

Document Version: 1.1 – 2018-07-24

SAP NetWeaver Upgrade and Update Guide

Preparation and Follow-Up Activities

Content

| | | |
|----------|--|-----------|
| 1 | Introduction. | 3 |
| 1.1 | Document History. | 3 |
| 1.2 | About this Document. | 3 |
| 1.3 | Naming Conventions and Terminology. | 4 |
| 1.4 | SAP Notes. | 4 |
| 1.5 | Accessing Documentation. | 5 |
| 2 | Preparations for the Update. | 7 |
| 2.1 | Checking the Free Space Requirements. | 7 |
| 2.2 | Checking the Source Release of the SAP System. | 8 |
| 2.3 | ADT: Providing ABAP Development Tools for SAP NetWeaver. | 8 |
| 3 | Follow-Up Activities After the Update. | 10 |
| 3.1 | Activating Business Functions. | 10 |
| 3.2 | Publishing ITS Objects. | 11 |

1 Introduction

1.1 Document History

Note

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version at the following link: <http://help.sap.com/nw752abap>

| Version | Date | Description |
|---------|------------|---|
| 1.0 | 2017-09-11 | Initial version |
| 1.1 | 2018-07-24 | Updated Checking the Free Space Requirements [page 7] |

1.2 About this Document

Purpose


For clarity and readability, the generic term “update” is used in this document in the context of release upgrade, enhancement package installation and Support Package Stack update.

This document supplements the document *Update Guide – Update of SAP Systems Using Software Update Manager <version>* which includes general planning, preparation and follow-up activities, information about using the Software Update Manager, and troubleshooting information.

Integration

In addition to this guide, you need the following documents:

- The *Upgrade Master Guide* guides you through the complete update process and refers you to the required documentation for each step.
To find the latest version of this document, see SAP Help Portal at <http://help.sap.com/nw752abap>.
- *Update Guide – Update of SAP Systems Using Software Update Manager <version>*

To find the latest version of this document, see SAP Support Portal at <http://support.sap.com/sltoolset> 
► *System Maintenance* ► *Software Update Manager (SUM) <version>* ►.

1.3 Naming Conventions and Terminology


i Note

For more naming conventions, see the *Update Guide – Update of SAP Systems Using Software Update Manager <version>*.


Update

For clarity and readability, the generic term “update” is used in this document as a collective term for all the software logistics processes that you can perform using the Software Update Manager (such as performing release upgrades, installing enhancement packages, or updating a system with Support Package Stacks).

Usage Type, Technical Usage, and Product Instance


The term “product instance” replaces the terms “usage type” and “technical usage” for SAP systems based on SAP NetWeaver 7.3 including enhancement package 1 and higher. For more information, see SAP Note [1877731](http://support.sap.com/notes/1877731) . Note that there is no terminology change for older releases and all mentioned terms can be used as synonyms.

1.4 SAP Notes

To prepare and perform the update of your SAP system, you require some additional information that is not included in this document. This information is in a range of SAP Notes in SAP Support Portal (<http://service.sap.com/notes> ), some of which you have to read before you start with the preparations. When you actually perform the update, you may need information from some additional SAP Notes. These SAP Notes are named at the appropriate places in this document.

SAP Notes for Preparing the Update



You have to request the following SAP Notes from SAP Support Portal before you start the update process:

- Central Software Update Manager Note
- Application-specific update Note: [2499175](#) 
- SAP Note for your database

Since these SAP Notes are updated regularly, make sure that you always use the latest version.

Other SAP Notes

As well as the SAP Notes you need for the preparation, this document also refers you to other SAP Notes that contain **additional** information. The following list contains these SAP Notes:

| SAP Note Number | Description |
|---|---|
| 28022  | Customer system: Where-used list of SAP objects |
| 2007212  | Parameter recommendations for the ICM |

1.5 Accessing Documentation

Use

Before, during and after the update, you require the SAP online documentation.

There are different ways to access the online documentation:

- SAP NetWeaver Library on SAP Help Portal
You can access the documentation for all maintained product releases on SAP Help Portal.
- Local installation of the SAP NetWeaver Library
Before the update, make sure that you can read the documentation DVD offline. After the update, you need to install the documentation for the target release.

Procedure

SAP NetWeaver Library on SAP Help Portal

Follow the applicable path to the SAP NetWeaver Library on SAP Help Portal:

| Release | Path |
|--------------------------------|--|
| SAP NetWeaver AS for ABAP 7.52 | http://help.sap.com/nw752abap  Application Help  |

Local Installation of the SAP NetWeaver Library

Before and during the update, you have to read the online documentation for the target release on the DVD.

→ Recommendation

If there is a Support Package available for the documentation, use the documentation version on SAP Help Portal.

2 Preparations for the Update

This part of the document contains information about the preparations that you need to make before you update your system.

You can prepare for the update while the system is in production operation. Careful preparation of the update is the best guarantee that it runs without errors.

The Software Update Manager supports you here by making a range of checks automatically in the preparation roadmap steps (*Initialization*, *Extraction*, *Configuration*, and *Checks*). To make sure that all requirements are met, run the preparation roadmap steps of Software Update Manager as soon as possible. You can reset and repeat the preparation roadmap steps as often as you need by choosing *Back* before you start the actual procedure in roadmap step *Preprocessing*. The successful execution of the preparation roadmap steps is a prerequisite for starting the roadmap step *Preprocessing*.

Actions

Perform the actions below before you start the Software Update Manager.

[Checking the Free Space Requirements \[page 7\]](#)

[Checking the Source Release of the SAP System \[page 8\]](#)

[ADT: Providing ABAP Development Tools for SAP NetWeaver \[page 8\]](#)

2.1 Checking the Free Space Requirements

Make sure that at least the following free space is available in the system that you want to update:

| | |
|--|--|
| SUM Directory | Approximately 40 GB |
| Download Directory (temporary space requirement) | Approximately 40 GB |
| DIR_TRANS | Approximately 20 GB |
| Shadow System | Approximately the space required for your source release instance, that is, the size of the following directory: <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> |

2.2 Checking the Source Release of the SAP System

Use

Note

- This step is not required if you apply a Support Package Stack.
- See also the PDF document, which is attached to the central SUM note, for a graphical representation of the supported update and upgrade paths.
- The Software Update Manager will check whether your source release is supported for this update.

Before the update, your SAP system should be running on one of the source releases that have been released for this update and apply to all databases:

- SAP NetWeaver 7.4
- SAP NetWeaver 7.5
- SAP NetWeaver Application Server for ABAP 7.51 innovation package

Different SAP NetWeaver product instances have different minimum Support Package Stack levels. If you update an SAP NetWeaver system containing various product instances, make sure that your source system is on any acceptable Support Package Stack level for all product instances implemented in the system.

Caution

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

Procedure

Procedure for ABAP Systems

To determine the source release of the SAP system, log on to the system and choose ► [System](#) ► [Status](#) ►

The release appears in the [Component version](#) field.

2.3 ADT: Providing ABAP Development Tools for SAP NetWeaver

Some development objects can only be edited in the Eclipse-based IDE, that is, ABAP Development Tools for SAP NetWeaver (ADT). To edit such objects, you need to ensure that an ADT client is installed in your system landscape in advance.

For more information, see *ABAP Developoment Tools for SAP NetWeaver*. You can find this guide using the SAP NetWeaver guide finder at <http://help.sap.com/viewer/nwguidefinder>.

3 Follow-Up Activities After the Update

This part of the document contains information about the follow-up activities that you need to perform after you have updated your SAP system.

When you perform follow-up activities, note the following information:

- Before you start the follow-up activities, you need to have run the update up to and including the `MODPROFP_UPG` phase.
The Software Update Manager stops in the `MODPROFP_UPG` phase and prompts you to start several follow-up activities. It then executes the last phases and completes the update. At the same time, you can already perform the specified follow-up activities.

The follow-up activities are divided into the following blocks:

- Actions needed before resuming production operation
These actions ensure that all the processes that are relevant to system operation are available again. You can start these actions while the Software Update Manager is finishing the update.
- Actions during production operation
You can also perform these actions when the system is back to production operation.

Actions

You have to perform the following actions **before you resume production operation** of your system:

- [Activating Business Functions \[page 10\]](#)

You can perform the following actions **during production operation** of your system:

- [Publishing ITS Objects \[page 11\]](#)

3.1 Activating Business Functions

Use

Functions provided by SAP enhancement packages for SAP NetWeaver are active in your system right after the installation. The only exception is *Information Lifecycle Management (ILM)*, which has to be activated, since it requires a separate license.

⚠ Caution

Once you have activated a business functions, you cannot deactivate it.

Procedure

1. Log on to the development system as a user with authorization SAP_ALL.
2. Disable all batch jobs.
3. Close the system for all other users.
4. Call transaction SFW5.
5. Optionally, choose an Industry Solution in the business function set drop down box.

⚠ Caution

You can only activate one business function set.

6. Select the required business functions.
7. To activate a new business function, set the planned status to *On* and choose *Check Changes*.
8. If no error is reported, you can activate the new functions by choosing *Activate Changes*.
The batch job for DDIC and BC set activation starts immediately. The job runs between 30 and 120 minutes approximately.
9. When the activation is completed, reschedule all batch jobs in the development system and unlock the users.

3.2 Publishing ITS Objects

Use

After the update of your SAP NetWeaver system, ITS services might not be executable in the integrated ITS or the services that start might not behave as expected. You have to publish all ITS services available in the system to the integrated ITS.

Procedure



Follow the steps described in SAP Note [790727](#) .

Important Disclaimers and Legal Information

Hyperlinks

Some links are classified by an icon and/or a mouseover text. These links provide additional information.

About the icons:

- Links with the icon  : You are entering a Web site that is not hosted by SAP. By using such links, you agree (unless expressly stated otherwise in your agreements with SAP) to this:
 - The content of the linked-to site is not SAP documentation. You may not infer any product claims against SAP based on this information.
 - SAP does not agree or disagree with the content on the linked-to site, nor does SAP warrant the availability and correctness. SAP shall not be liable for any damages caused by the use of such content unless damages have been caused by SAP's gross negligence or willful misconduct.
- Links with the icon  : You are leaving the documentation for that particular SAP product or service and are entering a SAP-hosted Web site. By using such links, you agree that (unless expressly stated otherwise in your agreements with SAP) you may not infer any product claims against SAP based on this information.

Beta and Other Experimental Features

Experimental features are not part of the officially delivered scope that SAP guarantees for future releases. This means that experimental features may be changed by SAP at any time for any reason without notice. Experimental features are not for productive use. You may not demonstrate, test, examine, evaluate or otherwise use the experimental features in a live operating environment or with data that has not been sufficiently backed up.

The purpose of experimental features is to get feedback early on, allowing customers and partners to influence the future product accordingly. By providing your feedback (e.g. in the SAP Community), you accept that intellectual property rights of the contributions or derivative works shall remain the exclusive property of SAP.

Example Code

Any software coding and/or code snippets are examples. They are not for productive use. The example code is only intended to better explain and visualize the syntax and phrasing rules. SAP does not warrant the correctness and completeness of the example code. SAP shall not be liable for errors or damages caused by the use of example code unless damages have been caused by SAP's gross negligence or willful misconduct.

Gender-Related Language

We try not to use gender-specific word forms and formulations. As appropriate for context and readability, SAP may use masculine word forms to refer to all genders.

© 2018 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. The information contained herein may be changed without prior notice.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

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 <https://www.sap.com/about/legal/trademark.html> for additional trademark information and notices.