

SAP Dock Appointment Scheduling Administrator's Guide



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Document History

Caution

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version at <http://help.sap.com/ewm> under ► *Operations* ► *SAP Dock Appointment Scheduling Administrator's Guide* ►.

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

Version	Date	Description
1.1	2018-04-04	Content change to the <i>Scheduled Periodic Tasks</i> chapter. Links updated in the <i>Getting Started</i> , <i>Operation Information</i> , <i>Problem Message Handover</i> , <i>Internal Messages</i> , and <i>Security Information</i> chapters.
1.0	2016-11-28	Document created

1 Getting Started

About this Document

Caution

This guide refers to standalone SAP Dock Appointment only. For information about SAP Dock Appointment Scheduling integrated with SAP Extended Warehouse Management (SAP EWM), see the guides for SAP EWM at <http://help.sap.com/ewm>.

This document is a single source of information for the implementation of SAP Dock Appointment Scheduling. It contains implementation information as well as security and operation information, and is divided into the following main sections:

- Introduction with references to related documents and relevant SAP Notes
- System Landscape
- Installation Information
- Operation Information
- Security Information

Note

You can find the most current version of this document at <http://help.sap.com/ewm> under **Operations** > **SAP Dock Appointment Scheduling Administrator's Guide**.

We strongly recommend that you use the document available there. The guide will be updated according to updates of the software.

Related Information

For more information about implementation topics not covered in this guide, see the following content:

Content	Location
General information about SAP Dock Appointment Scheduling	http://help.sap.com/ewm > Application Help > SAP Extended Warehouse Management (SAP EWM) > SAP Dock Appointment Scheduling
Product Availability Matrix (PAM) - platform availability, SAP software release types, maintenance durations, planned availability, and upgrade paths	http://support.sap.com/pam

Content	Location
Information about support package stacks, latest software versions and patch level requirements	http://support.sap.com/sp-stacks
Performance	http://www.sap.com/about/benchmark/sizing/performance.html
Knowledge Base	http://support.sap.com/notes
SAP Security News and Notes	http://support.sap.com/securitynotes
Internationalization and Unicode Community	https://www.sap.com/community/topic/internationalization-and-unicode.html
Information about creating error messages	http://support.sap.com/incident
SAP Software Download Center - software download and ordering of software	http://support.sap.com/swdc
Early Knowledge Transfer (EKT) - role-specific learning content	http://support.sap.com/ekt

Related Guides








You can find more information about the relevant applications in the following documents:

Title	Location
Master Guide for SAP EWM 9.2	http://help.sap.com/ewm92 ► <i>Installation and Upgrade</i> ► <i>Master Guide</i> ►
Application Operations Guide for SAP EWM 9.2	http://help.sap.com/ewm92 ► <i>Operations</i> ► <i>Application Operations Guide</i> ►
Security Guide for SAP EWM 9.2	http://help.sap.com/ewm92 ► <i>Security</i> ► <i>Security Guide</i> ►

Important SAP Notes

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

Make sure that you have the up-to-date version of each SAP Note, which you can find at <http://support.sap.com/notes>.

SAP Note Number	Title	Description
1606493 	SAP EWM Deployment Options Best Practices	Several deployment options exist for SAP EWM: it can be deployed as Add-On to SAP Netweaver, to SAP ERP or to SAP SCM.
2052665 	Implementation recommendations for SAP EWM 9.2	For implementing SAP EWM 9.2
1529649 	Factory Calendar expires 2010	Factory calendars are delivered from SAP with a validity until 2010 in the standard. Before expiration no error message is displayed. This could lead to follow-up errors at the turn of the year, in different applications, using the calendar.
2064494 	Installing or upgrading to SAP EWM 9.2	You want to perform an add-on installation or upgrade to SAP EWM 9.2
900000 	NetWeaver Business Client – FAQ	None
1039436 	Poor performance, dispatcher AP 7.0 LIME in mass test	Activation of index <code>/LIME/</code> <code>COLL_W2IM~D</code> is required for SAP EWM
2065193 	Best practices for installing SAP Dock Appointment Scheduling "Collaboration with Carriers"	Best practices for installing SAP Dock Appointment Scheduling "Collaboration with Carriers"

2 SAP Dock Appointment Scheduling

With SAP Dock Appointment Scheduling, you can plan and proceed with appointments for trucks or other transportation units to arrive at the warehouse for loading or unloading. It also allows carriers chosen by the warehouse to plan their own appointments directly in the warehouse's system. In this way it provides work leveling and helps to prevent bottlenecks at the warehouse where trucks arrive but there are no available doors or staff and they must wait. It also helps the carriers to plan their transport more efficiently as they can reduce the amount of time trucks have to wait at warehouses with this application.

You must install the desktop version of SAP NetWeaver Business Client 4.0 or higher to be able to use SAP Dock Appointment Scheduling.

2.1 Software Units of SAP Dock Appointment Scheduling

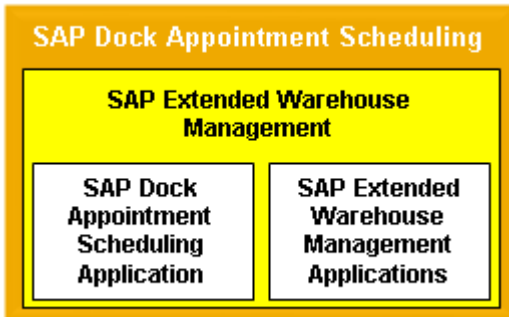
SAP Dock Appointment Scheduling is part of the SAP EWM 9.2 installation, but can be used without reference to any SAP EWM functions.

The software units required for the SAP Dock Appointment Scheduling are as follows:

Type of Component	Component	Required or Optional
Software Component	SAP EWM 9.2	Required

3 Technical System Landscape

The following diagram provides an overview of the system landscape for SAP Dock Appointment Scheduling.



Caution

We strongly recommend that you use the minimal system resources for test and demo purposes only. For performance, scalability, high availability, and security reasons, do not use the minimal system resources as your production landscape.

The following software components are either mandatory or optional, as indicated below, for the technical implementation of SAP Dock Appointment Scheduling.

Component	Mandatory	Optional
SAP Extended Warehouse Management 9.2	x	No
SAP EWM UI Features 9.2	No	x

For more information about the installation requirements for software component SAP EWM UI Features 9.2 (SCMEWMI), see SAP Note [2065193](#) and the Master Guide for SAP EWM 9.2.

4 Installation of SAP Dock Appointment Scheduling

Installation Sequence

The following table provides the implementation sequence:

SAP EWM 9.2 for SAP Dock Appointment Scheduling		
1	Installation of SAP EWM 9.2	For detailed information, see the Master Guide for SAP EWM 9.2

After the EWM installation, you need to activate the following business functions:

- EWM, Essential Foundation Functions (SCM_EWM_FND)

To use EWM UI Features on a dedicated SAP NetWeaver server, you need to perform additional installation steps. For detailed information, see the Master Guide for SAP EWM 9.2

5 Operation Information

This chapter provides you with the most important information regarding the operation of SAP Dock Appointment Scheduling.

For more information about the underlying technology, see the Application Operations Guide for SAP EWM 9.2 at <http://help.sap.com/ewm92> ► *Operations* ► *Application Operations Guide* ►.

5.1 Periodic Tasks

You must schedule jobs specific to SAP Dock Appointment Scheduling in your SAP system.

All jobs, unless otherwise specified, must be run at times of minimal system activity, so as not to affect performance or otherwise disrupt your daily operations. All jobs are can be restarted. There are no dependencies between the jobs.

5.1.1 Scheduled Periodic Tasks

This section describes all tasks that can be automated and that must be run periodically to keep the application running smoothly. Such tasks may be required on component level and are, therefore, relevant in each scenario that uses the component. Other tasks may be relevant for certain business scenarios only. It is important that you monitor the successful execution of these tasks on a regular basis.

Program Name/Task	Detailed Description
Destruction report <i>Data Destruction Program for Loading Appointments</i> <code>/SCWM/DSAPP_DES</code>	Uses the data destruction object <code>EWM_DSAPP</code> and defined retention periods for the loading appointments. You maintain the retention periods based on the ILM object <code>EWM_DSAPP</code> .
Report <i>Delete Slots and Appointments</i> <code>/SCWM/R_DAS_DELETE</code>	Deletes old SAP Dock Appointment Scheduling time slots and loading appointments. If you also use report <code>/SCWM/DSAPP_DES</code> to delete loading appointments, choose the <i>Delete Only Time Slots</i> checkbox in this report.

Program Name/Task	Detailed Description
Report <i>Create Start of Retention Time for Existing Appointment Documents</i> /SCWM/RDPP_CREATE_SORT_DAS	Initially fills or creates start of retention time (SoRT) information for table BUTSORT for existing dock appointment documents that refer to business partners (carriers). You also use this report to fill table BUTSORT if you change the retention period by changing the rule group or application rule variant.

5.1.2 Unscheduled Periodic Tasks

This section describes all tasks that must be started manually and that must be run periodically to keep the application running smoothly. Such tasks may be required on component level and are, therefore, relevant in each scenario that uses the component. Other tasks may be relevant for certain business scenarios only. It is important that you monitor the successful execution of these tasks on a regular basis.

Program Name/Task	Detailed Description
Web Dynpro Application /SCWM/DSSLOT_GEN	Creates time slots in graphical view

5.1.3 Problem Message Handover

If you encounter problems with SAP Dock Appointment Scheduling, you can create a customer message at <http://support.sap.com/incident> using component SCM-EWM-DAS.

5.1.4 Internal Messages

The following table contains a list of the internal messages used by SAP Dock Appointment Scheduling and their corresponding queue entries. For more information about queue monitoring, see the Application Operations Guide for SAP EWM 9.2 at <http://help.sap.com/ewm92> ► *Operations* ► *Application Operations Guide* ►.

EWM Component	Queue Name	Semantics	Monitoring Transaction
SLP	WMSA<LOGSYS><DOCNO>	Create/update TU from DAS by DAS docno	SMQ2
SLP	WMAA<LOGSYS><DOCNO>	Create/update DAS from TU by DAS docno	SMQ2





6 Security Information

With the increasing use of distributed systems and the Internet for managing business data, the demands on security are also on the rise. When using a distributed system, you need to be sure that your data and processes support your business needs without allowing unauthorized access to critical information. User errors, negligence, or attempted manipulation of your system should not result in loss of information or processing time. These demands on security apply likewise to SAP Dock Appointment Scheduling.

As security is so important, we strongly recommend that you read the SAP Extended Warehouse Management Security Guide at <http://help.sap.com/ewm92> ► *Security* ► *Security Guide* ►.

7 Solution-Wide Topics

The following table shows references to the main technologies used for SAP Dock Appointment Scheduling:

Title	Where to Find
Developer's Guides	http://help.sap.com/netweaver  <i>SAP NetWeaver Platform</i>  <i>SAP NetWeaver 7.4</i>  <i>Development Information</i> 

Important Disclaimers and Legal Information

Coding Samples

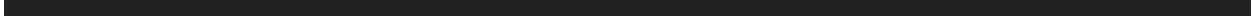
Any software coding and/or code lines / strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, unless damages were caused by SAP intentionally or by SAP's gross negligence.

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Internet Hyperlinks

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