

# **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 the following location: <http://service.sap.com/instguides>.

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

Table 1:

| Version | Date       | Description      |
|---------|------------|------------------|
| 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, see the guides for Extended Warehouse Management on SAP Service Marketplace at <http://service.sap.com/instguides>  *SAP Business Suite Applications*  *SAP EWM*  *Using SAP EWM 9.2* .

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 on SAP Service Marketplace at <http://service.sap.com/instguides> .

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 on SAP Service Marketplace and SAP Community Network:

Table 2:

| Content                                                   | Location on SAP Service Marketplace                                                                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Latest versions of installation and upgrade guides        | <a href="http://service.sap.com/instguides">http://service.sap.com/instguides</a>  |
| General information about SAP Dock Appointment Scheduling | <a href="http://service.sap.com/scm">http://service.sap.com/scm</a>                |

| Content                                                                                              | Location on SAP Service Marketplace                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Released platforms and technology-related topics such as maintenance strategies and language support | <a href="http://service.sap.com/platforms">http://service.sap.com/platforms</a><br>To access the SAP Platform Availability Matrix directly, enter <a href="http://service.sap.com/pam">http://service.sap.com/pam</a> |
| Network Security                                                                                     | <a href="http://service.sap.com/securityguide">http://service.sap.com/securityguide</a>                                                                                                                               |
| High Availability                                                                                    | <a href="http://www.sdn.sap.com/irj/sdn/ha">http://www.sdn.sap.com/irj/sdn/ha</a>                                                                                                                                     |
| Performance                                                                                          | <a href="http://service.sap.com/performance">http://service.sap.com/performance</a>                                                                                                                                   |
| Information about Support Package Stacks, latest software versions and patch level requirements      | <a href="http://service.sap.com/sp-stacks">http://service.sap.com/sp-stacks</a>                                                                                                                                       |
| Information about Unicode technology                                                                 | <a href="http://www.sdn.sap.com/irj/sdn/i18n">http://www.sdn.sap.com/irj/sdn/i18n</a>                                                                                                                                 |

## Further Useful Links

The following table lists further useful links on SAP Service Marketplace:

Table 3:

| Content                                                                   | Location on SAP Service Marketplace                                         |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Information about creating error messages                                 | <a href="http://service.sap.com/message">http://service.sap.com/message</a> |
| SAP Notes search                                                          | <a href="http://service.sap.com/notes">http://service.sap.com/notes</a>     |
| SAP Software Download Center (software download and ordering of software) | <a href="http://service.sap.com/swdc">http://service.sap.com/swdc</a>       |
| SAP Online Knowledge Products (OKPs) – role-specific learning maps        | <a href="http://service.sap.com/rkt">http://service.sap.com/rkt</a>         |

## Related Guides

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

Table 4:

| Title                                        | Location                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Master Guide for SAP EWM 9.2                 | <a href="http://service.sap.com/instguides">http://service.sap.com/instguides</a>  SAP Business Suite Applications > SAP EWM > Using SAP EWM 9.2                                                                       |
| Application Operations Guide for SAP EWM 9.2 | <a href="http://service.sap.com/instguides">http://service.sap.com/instguides</a>  SAP Business Suite Applications > SAP SCM > SAP EWM > Using SAP EWM 9.2                                                               |
| Security Guide for SAP EWM 9.2               | <a href="http://service.sap.com/securityguides">http://service.sap.com/securityguides</a>  SAP Business Suite Applications > SAP Extended Warehouse Management > SAP Extended Warehouse Management 9.2 Security Guide  |

## 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 on SAP Service Marketplace at <http://service.sap.com/notes> .

Table 5:

| SAP Note Number                                                                                             | Title                                          | Description                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">1606493</a>  | 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.                                                                                                                            |
| <a href="#">2052665</a>  | Implementation recommendations for SAP EWM 9.2 | For implementing SAP EWM 9.2                                                                                                                                                                                                                      |
| <a href="#">1529649</a>  | 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. |

| SAP Note Number                                                                                           | Title                                                                                       | Description                                                                                 |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <a href="#">2064494</a>  | Installing or upgrading SCMEWM 920                                                          | You want to perform an add-on installation or upgrade to SAP EWM 9.2                        |
| <a href="#">900000</a>   | NetWeaver Business Client – FAQ                                                             | None                                                                                        |
| <a href="#">1039436</a>  | Low performance, dispatcher AP 7.0 LIME in mass test                                        | Activation of index /LIME/<br>COLL_W2IM~D is required for SAP EWM                           |
| <a href="#">2065193</a>  | 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.

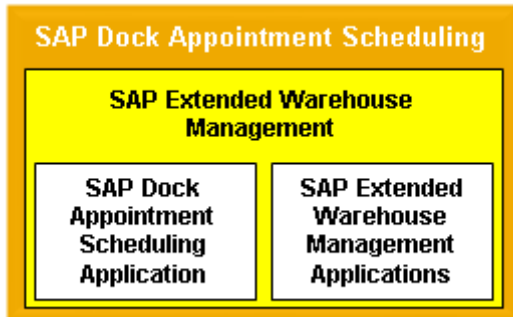
The software units required for the SAP Dock Appointment Scheduling are as follows:

Table 6:

| 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.

Table 7:

| 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 (SCMEWMUI), 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:

Table 8:

| 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 in the Application Operations Guide for SAP EWM 9.2, see SAP Service Marketplace at <http://service.sap.com/instguides> ► *SAP Business Suite Applications* ► *SAP EWM* ► *Using SAP EWM 9.1* ► *Application Operations Guide for SAP EWM 9.2* ►.

### 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.

Table 9:

| Program Name/Task          | Detailed Description                                                    |
|----------------------------|-------------------------------------------------------------------------|
| Report / SCWM/R_DAS_DELETE | Deletes old SAP Dock Appointment Scheduling time slots and appointments |

#### 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.

Table 10:

| 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 on the SAP Service Marketplace at <http://service.sap.com/message> using component SCM-EWM-DAS.

### 5.1.4 Internal Messages

The following table contains a list of the internal messages used by DAS and their corresponding queue entries. For more information about queue monitoring, see the Application Operations Guide for SAP EWM 9.2 on SAP Service Marketplace at <http://service.sap.com/instguides> *SAP Business Suite Applications* *SAP EWM* *Using SAP EWM 9.2* *Application Operations Guide for SAP EWM 9.2*.

Table 11:

| 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                   |

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## 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, on SAP Service Marketplace at <http://service.sap.com/securityguides>  *SAP Business Suite Applications*  *SAP SCM*  *SAP Extended Warehouse Management*  *SAP Extended Warehouse Management 9.2 Security Guide* .

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## 7 Solution-Wide Topics

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

Table 12:

| Title              | Where to Find                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Developer's Guides | <a href="http://help.sap.com/netweaver">http://help.sap.com/netweaver</a>  <i>SAP NetWeaver Platform</i><br> <i>SAP NetWeaver 7.4</i>  <i>Development Information</i>  |

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# 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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