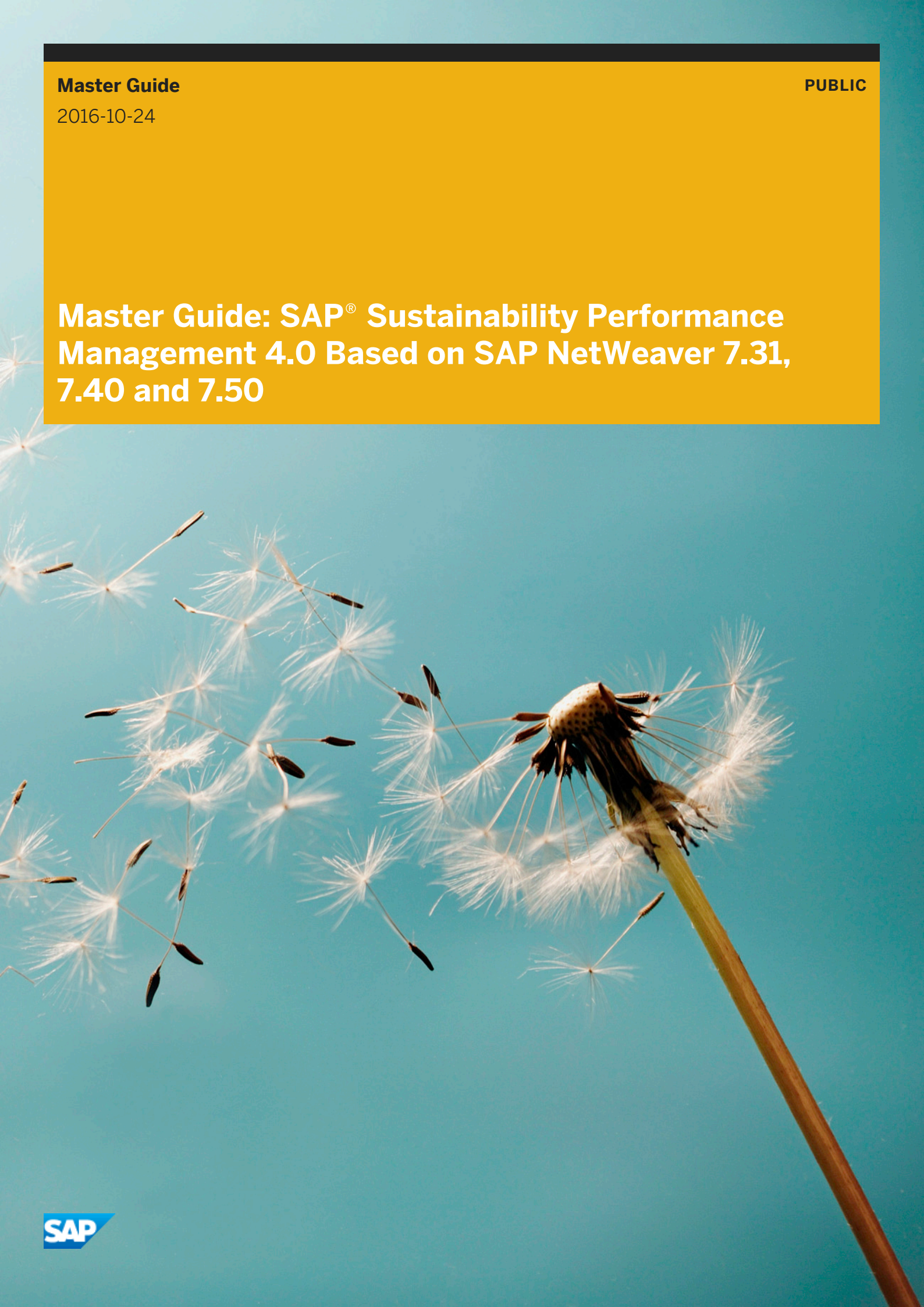


Master Guide: SAP® Sustainability Performance Management 4.0 Based on SAP NetWeaver 7.31, 7.40 and 7.50



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1 Getting Started

1.1 About this Document

This Master Guide is the central starting point for the technical implementation of SAP Sustainability Performance Management. You can find cross-scenario implementation information as well as scenario-specific information in this guide.

For more information about the major steps of the implementation sequence of SAP Sustainability Performance Management, see [Overall Implementation Sequence \[page 13\]](#).

Use the Master Guide for an overview of the application, its software units, and its scenarios from a technical perspective. The Master Guide is a planning tool that helps you to design the system landscape of the application. It refers you to the required detailed documentation:

- Installation guides for single software units
- SAP Notes
- Configuration documentation
- SAP Library documentation

For a general overview of the available SAP documentation, see *The Main SAP Documentation Types* in this Master Guide.

The Master Guide consists of the following main sections:

- [Getting Started](#) contains valuable information about using this document and related information (documentation and SAP Notes) crucial to the installation.
- [Overview](#) provides an overview of the system architecture, the required software components and contains information about the installation steps.
- [Scenarios](#) provides an overview of the scenarios relevant to the implementation of the Sustainability Performance Management application: data management, user reporting, and scorecards.
- [The Main SAP Documentation Types](#) provides a general overview of the available SAP documentation.

1.2 Related Information

Planning Information

For more information about planning topics not covered in this guide, see the following content on SAP Service Marketplace:

Table 1:

Content	Location
SAP Business Maps - information about applications and business scenarios	http://service.sap.com/businessmaps
Sizing, calculation of hardware requirements – such as CPU, disk, and memory resource – with the Quick Sizer tool	http://service.sap.com/quicksizer
Released platforms and technology-related topics, such as maintenance strategies and language support	http://service.sap.com/platforms To access the Platform Availability Matrix directly, enter http://service.sap.com/pam
Network security	http://service.sap.com/securityguide
High Availability	http://www.sdn.sap.com/irj/sdn/ha
Performance	http://service.sap.com/performance
Information about Support Package Stacks, latest software versions and patch level requirements	http://service.sap.com/sp-stacks
Information about Unicode technology	http://www.sdn.sap.com/irj/sdn/i18n
Latest versions of the installation and upgrade documentation for SAP NetWeaver	http://help.sap.com/nw >> <Release> > <i>Installation and Upgrade Information</i>

Further Useful Links

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

Table 2:

Content	Location
SAP Notes search	http://support.sap.com/notes

Content	Location
SAP Software Distribution Center (software download and ordering of software)	http://support.sap.com/swdc
SAP Online Knowledge Products (OKPs) – role-specific Learning Maps	http://service.sap.com/rkt

Related SAP Guides

This Master Guide is based on Master Guides for SAP NetWeaver. You can find more information about the relevant solutions in the following documents:

Table 3:


Content	Location
Master Guide SAP NetWeaver	http://help.sap.com/nw >> <Release> > <i>Installation and Upgrade Information</i> > <i>Master Guide</i>
Installation Guide for SAP Sustainability Performance Management	http://help.sap.com/bosuspm >> <Release> > <i>Installation and Upgrade Information</i> > <i>Installation and Upgrade Guide</i>
Operations Guide for SAP Sustainability Performance Management	http://help.sap.com/bosuspm >> <Release> > <i>System Administration and Maintenance Information</i> > <i>Operations Information</i>
Security Guide for SAP Sustainability Performance Management	http://help.sap.com/bosuspm >> <Release> > <i>Security Information</i> > <i>Security Guide</i>
Installation Guide for SAP NetWeaver	http://help.sap.com/nw >> <Release> > <i>Installation and Upgrade Information</i> > <i>Installation Guide</i>
Security Guide for SAP NetWeaver	http://help.sap.com/nw >> <Release> > <i>Security Information</i> > <i>Security Guide</i>

1.3 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 <https://support.sap.com/notes>.

Table 4:

SAP Note Number	Title	Description
2358822 	SuPM V4.0: Release Information Note	Contains SAP Sustainability Performance Management 4.0 related notes.

2 Overview of SAP Sustainability Performance Management

2.1 Introduction to SAP Sustainability Performance Management

SAP Sustainability Performance Management deals with the measurement, management, and disclosure of organizational performance towards the goal of sustainable development.

The available business scenarios for this solution can run across one or several product areas. In the section for a particular product area, you can find all the information that is relevant for the technical implementation of this product area. SAP Sustainability Performance Management 4.0 consists of the following product areas:

- **Application Setup**
This area allows users to organize or modify the following important master data of the application:
 - KPI Library
 - Organization Details
 - Role Assignment
 - Mass KPI-Organization Maintenance
 - Automated Script Management
 - Conversion Factors and Constants
 - Frameworks
 - Application Properties
 - Audit Log
 - Organize Content
 - Data Source Administration
- **KPI Data Collection**
This area contains all of the functions related to collecting sustainability data from people and systems.
 - My KPIs
 - KPI Localizations
 - My Data Requests
 - Data Request Library
 - Data Collection Status
 - Approvals
 - Adjustments
 - KPI History
 - XBRL Manager
 - Ad hoc Report Manager
 - KPI Attachments
- **Performance Manager**
This area allows users to manage activities related to planning and organizing sustainability performance.
 - Target Settings

- Benchmarks
- Reporting and Performance
This area allows users to retrieve all items related to sustainability performance reviews and analysis.
 - Alerts
 - Briefing Books
 - Reports
 - Dashboards
 - Scorecards
 - Perspectives
- Initiative Management
This area allows you to manage and view all the initiatives.
 - Initiative Manager
 - My Initiatives
- Settings
This area enables individual users to personalize the application.
 - User Preferences
 - User Defaults
 - Refresh Folder
 - View Logs

You can use SAP Sustainability Performance Management as central standardized application, or as a distributed localized application to manage your company's environmental, social and economic performance. In this way, you can align your organization's processes, people, and products with established sustainability goals and requirements. The solution is designed to be integrated with multiple SAP and non-SAP systems in a heterogeneous environment. It can be implemented without changing your existing logistics processes.

i Note

SAP Sustainability Performance Management is based on SAP NetWeaver BW. For more information about the installation and configuration of the SAP NetWeaver platform, on which the SAP Sustainability Performance Management application is deployed, see the SAP NetWeaver Installation Guide. You can also find related information at <http://help.sap.com/nw> ><Release> > *Installation and Upgrade Information* >.

➔ Recommendation

We recommend that you have a basic understanding of SAP NetWeaver BW concepts such as master data and transactional data. This document provides references to other required information, such as related components and guides.

2.2 Software Units of Sustainability Performance Management

2.2.1 Technology Components

SAP Sustainability Performance Management is supported on the following SAP NetWeaver versions:

- SAP NetWeaver 7.31, 7.40 and 7.50. SAP NetWeaver provides the technological foundation for SAP Sustainability Performance Management 4.0. The ABAP stack of this technological platform is, in a sense, the operating system of SAP Sustainability Performance Management 4.0. The JAVA Stack can be required for special functions in the individual product areas of SAP Sustainability Performance Management as stated in the *Software Component Matrix*, as well as in the *System Landscape* information.
- SAP GUI
You can use the latest release of the SAP GUI software (such as SAP GUI 7.1) with all previous SAP component releases. As a result, older SAP systems can also benefit from the features that are only available in the newer SAP GUI releases, for example, support for Windows XP.

➔ Recommendation

We recommend that you use SAP GUI 6.40 or higher.

2.3 Software Component Matrix

This section provides an overview of which business scenario in SAP Sustainability Performance Management uses which software unit. All components are optional depending on the business needs.

i Note

This Master Guide provides just one way to implement each business scenario.

Table 5:

Software Component	Sustainability Performance Management <i>X = mandatory; (X) = optional;</i>	Description
ANALYTICS OPM FOUNDATION UI 6.0 731 (OPMFNDUI)	X	Adobe Flash application, non-ABAP, frontend

Software Component	Sustainability Performance Management <i>X = mandatory; (X) = optional;</i>	Description
ANALYTICS SUSTAINABILITY UI 4.0 731 (ANASUSTUI)	X	Relevant portal content for the application, non-ABAP, frontend
ANALYTICS OPM FOUNDATION 3.0 731 (OPMFND 300 731) with SP 00 or higher.	X	Analytics framework persistence services, backend
SAP SUSTAINABILITY REPORTING 4.0 731 (SR_CORE 400 731) with the latest SP	X	BI Content for the Sustainability Performance Management application and also the application business logic in ABAP, backend
POA SHARED BUSINESS COMPONENTS 1.0 731 (POASBC 100 731) with SP00 or higher.	X	-
SAP NetWeaver 7.31 SP02 for non HANA DB and SP04 for HANA DB.	X	SAP NetWeaver Basis requirement
SAP NetWeaver 7.31BI Content 7.47	X	SAP NetWeaver Basis requirement
Adobe®Flash Player 10.0	X	-

i Note

Service pack level of ABAP component SR_CORE always lags that of the JAVA component ANASUSTUI by 3 service pack levels. For further details refer to SAP note [2366352](#).

2.4 System Landscape

SAP Sustainability Performance Management requires the following SAP NetWeaver 7.31, 7.40 and 7.50 usage types to provide the basic runtime environment for the following application components:

- AS ABAP
- BW
- AS Java
- BW Java
- BI Content
- EP
- EP Content

The figures below show the technical system landscape for the SAP Sustainability Performance Management application in its basic implementation and represent the minimal requirements for running the application. The system landscape is structured within the client, and consists of the application-specific client and the Web browser, and the **systems with usage types**.

➔ Recommendation

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

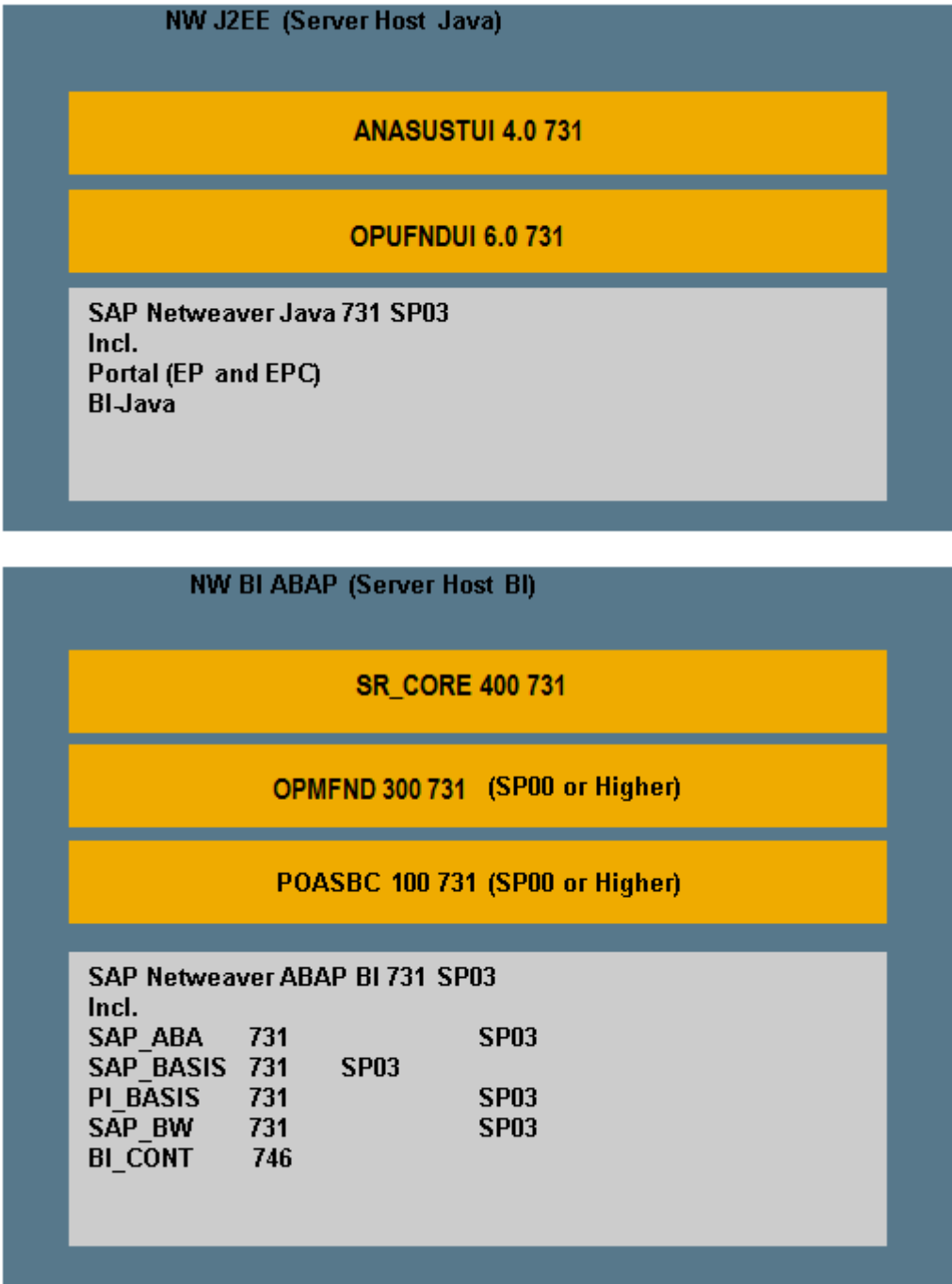


Figure 1: Sample System Landscape for SAP Sustainability Performance Management

You can install BW and BW Java together in one system or in separate systems.

i Note

You must keep both the BW and BW Java systems in sync concerning applied Support Package Stacks.

Adhere to the following recommendations during this installation step:

Table 6:

BW and BW Java Installation Type	Portal configuration
One system	Federated portal network including a central portal in your system landscape (see below)
Separate systems	Single portal installation

Installing BW Java automatically installs AS Java, EPC, and EP. After configuring BW Java, if you do **not** want to use EPC or EP for other scenarios, there are no further steps in AS Java, EPC, and EP.

Mapping of the required systems and standalone engines of SAP NetWeaver to hosts depends on your requirements. Perform this task with your hardware partner and your technical consultant.

2.5 Overall Implementation Sequence

Use

The following table describes the overall installation sequence for SAP Sustainability Performance Management. For information about which software is required to implement a specific scenario, see section **Software Components**.

For the latest component version and patch level requirements, see the Support Package Stack Guide on SAP Service Marketplace at <http://service.sap.com/sp-stacks>

Process

The following steps are relevant for activities in the system of SAP Sustainability Performance Management.

Table 7:

Step	Action	Remarks / Subsequent Steps
1	<p>Installation and configuration of SAP Sustainability Performance Management. Install the backend (ABAP and BW) component on the AS ABAP and activate the BI Content for the application. Deploy the front end (non-ABAP) component on the J2EE server.</p> <p>For more information, see the Installation Guide for SAP Sustainability Performance Management application at http://help.sap.com ► <i>Financial Management</i> ► <i>SAP Sustainability Performance Management</i> ► <i><Release></i> ► <i>Installation and Upgrade Information</i> ►.</p>	None
2	<p>Framework Setup and Scoping: For more information, see SAP Sustainability Performance Management application at http://help.sap.com ► <i>Financial Management</i> ► <i>SAP Sustainability Performance Management</i> ► <i><Release></i> ► <i>Application Help</i> ►</p>	This helps in setting up the initial KPI definitions (either upload them or create them using the online application) and Reporting Frameworks.
3	<p>Run the data collection process: For more information, see SAP Sustainability Performance Management application on http://help.sap.com ► <i>Financial Management</i> ► <i>SAP Sustainability Performance Management</i> ► <i><Release></i> ► <i>Application Help</i> ►</p>	This process accomplishes the data population in the SAP Sustainability Performance Management tables and triggers the data upload to the BI Data Model.
4	<p>Run predefined reports, or create new reports, dashboards and scorecards. For more information, see SAP Sustainability Performance Management application on http://help.sap.com ► <i>Financial Management</i> ► <i>SAP Sustainability Performance Management</i> ► <i><Release></i> ► <i>Application Help</i> ►</p>	Use the application to analyze and monitor your Sustainability Performance.

3 Business Scenario of SAP Sustainability Performance Management

SAP Sustainability Performance Management enables companies to manage and report on activities related to the social and environmental impact of their business, aligning the organization’s processes, people, and products with their established goals and regulatory requirements. The necessary tools with which to report on compliance with regulatory agencies and inform shareholders have been developed in a user-friendly and graphic interface.

SAP Sustainability Performance Management contains the scenarios described below:

Table 8:

Scenario	Meaning
Data collection	<p>The main purpose of this scenario is to set up the system to collect KPI data, either manual or automated, for reporting. This includes tasks such KPI definition, reporting framework definition, role assignment setup, conversion factors definition, automated script definition, and consolidation and adjustment.</p> <p>See the documentation in SAP Solution Manager.</p>
End user reporting	<p>The consolidation and adjustment process. The data is available for further analysis in SAP NetWeaver BW. This scenario comprises general reporting and dashboards, ad hoc queries, and scorecards.</p> <p>See SAP Library for further information: http://help.sap.com ▶ <i>Financial Management</i> ▶ <i>SAP Sustainability Performance Management</i> ▶ <i><Release></i> ▶ <i>Application Help</i> ▶</p>

Technical System Landscape

The overall system landscape applies to the entire application. For more information, see *System Landscape*.

Software Units

For information about the required software units for the individual scenarios, as well as the categorization of the software unit as whether being mandatory or optional for the scenario, see *Software Component Matrix*.

Overall Implementation Sequence

For information about the implementation sequence, see *Overall Implementation Information*. You can use the overall sequences as template for the scenario-specific sequences depending on the required software units.

Related Information

[System Landscape \[page 10\]](#)

[Overall Implementation Sequence \[page 13\]](#)

[Software Component Matrix \[page 9\]](#)

4 Solution-Wide Topics

4.1 SAP Solution Manager

SAP Solution Manager provides a platform to efficiently support the implementation of your solution. Using SAP Solution Manager significantly accelerates the implementation process and help you to reach your business goals. At the same time, SAP can deliver Support Services based on the business scenarios designed and documented in SAP Solution Manager.

Implementation content for your solution may further accelerate the implementation process. SAP Sustainability Performance Management provides implementation content in SAP Solution Manager. The most current SAP Solution Manager Content for SAP Sustainability Performance Management is available in the Content Shipment ST-ICO 150 SP23.

There, you find the following documents with more information about the business scenarios used in SAP Sustainability Performance Management:

Table 9:

Content	Location
Scenario Description	See documentation in SAP Solution Manager.
Configuration Documentation	See documentation in SAP Solution Manager.

i Note

SAP Sustainability Performance Management 4.0 provides an installation guide for each of its product areas at <http://help.sap.com> ► *Financial Management* ► *SAP Sustainability Performance Management* ► *<Release>* ► *Installation and Upgrade Information* ► *Installation Guide* ►.

4.2 Solution Monitoring

As a central starting point for information about the tasks and jobs you need to perform on a regular basis to guarantee the smooth operation of your enterprise information technology solution, see the following documentation:

Table 10:

Task	Documentation
Technical System Landscape	<i>System Landscape</i> in this Master Guide

Task	Documentation
Monitoring of SAP component	http://help.sap.com/nw ► <Release> ► <i>Application Help</i> ► <i>Function-Oriented View</i> ► <i>Application Server</i> ► <i>Application Server Infrastructure</i> ► <i>Architecture of the SAP NetWeaver Application Server</i> ►
Monitoring and logs in SAP Sustainability Performance Management	SAP Sustainability Performance Management documentation at http://help.sap.com ► <i>Financial Management</i> ► <i>SAP Sustainability Performance Management</i> ► <Release> ► <i>System Administration and Maintenance Information</i> ► <i>Operations Information</i> ►
Scheduled tasks	Operations Guide for SAP Sustainability Performance Management at http://help.sap.com ► <i>Financial Management</i> ► <i>SAP Sustainability Performance Management</i> ► <Release> ► <i>System Administration and Maintenance Information</i> ► <i>Operations Information</i> ►

Related Information

[System Landscape \[page 10\]](#)

4.3 SAP NetWeaver BI Content for SAP Sustainability Performance Management

SAP NetWeaver BW version for SAP Sustainability Performance Management based on:

- SAP NetWeaver 7.31 is BI_CONT 7.47
- SAP NetWeaver 7.40 is BI_CONT 7.57
- SAP NetWeaver 7.50 is BI_CONT 7.57

The data model is built on SAP NetWeaver BW architecture using the SAP NetWeaver BW 7.31 platform, and is based on two main design considerations:

- **Data Source:** This data model is designed to extract data directly from the Sustainability Performance Management collection tables.
- **Information Modeling:** This data model is designed in a generic manner, meaning that the definition of the KPIs defined in the framework setup uses a dimension with the member values of this dimension as the individual KPIs.

The data model consists of a DSO (Data Store Object), which primarily contains of all the granular data stored in the Sustainability Performance Management collection tables. The data from the DSO is moved to the

Actuals cube, where the data is aggregated according to the dimension defined in the cube. The special feature of the Actuals cube is that the data — when being moved to the cube — contains the delta records with a timestamp. This enables users to obtain data on a particular KPI for a particular date in the past. The data model also contains a Plan cube that has a structure similar to the Actuals cube without the timestamp dimension.

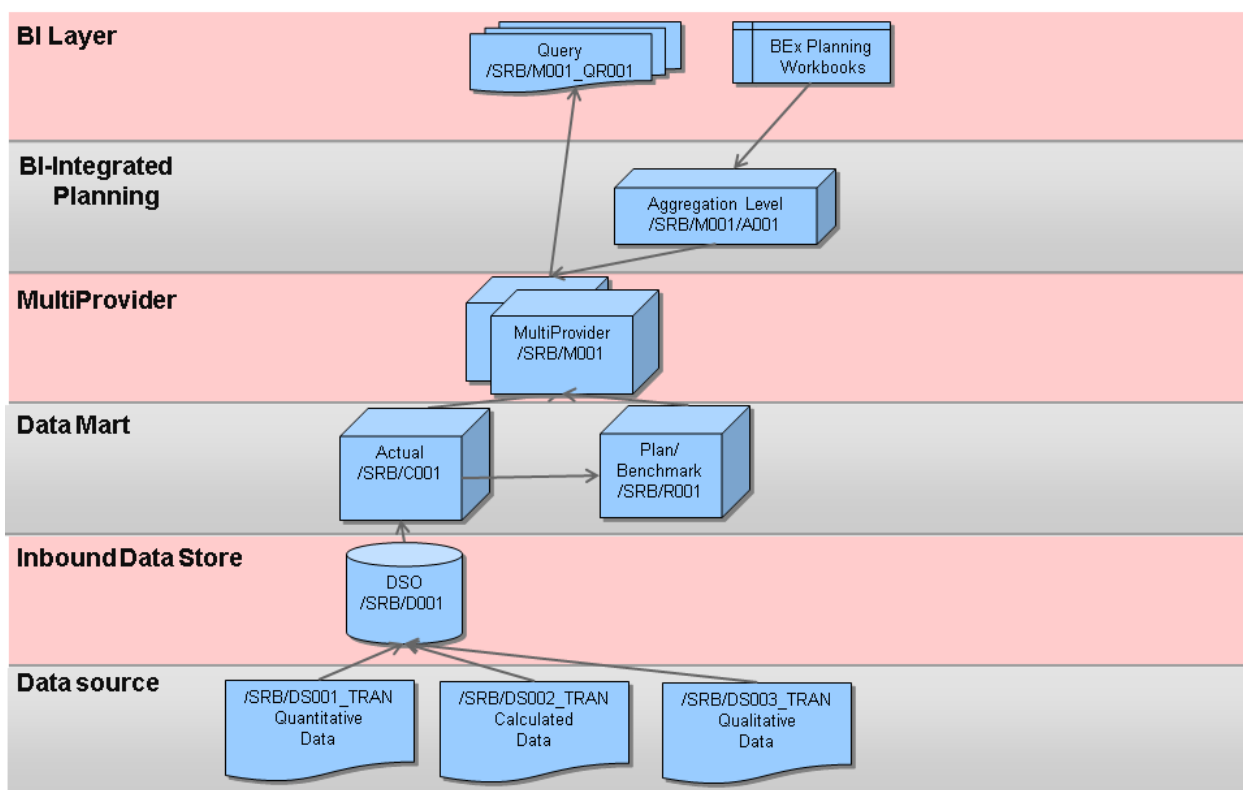


Figure 2: Generic BI Data Model

Web Client: The capabilities of the Sustainability Performance Management application, such as the definition of reporting frameworks, which includes the KPI definition, the assignment to organizations and analysis using scorecards, reports and dashboards, can be accessed using the Web client. This Web client is a rich Internet-application-style user interface for SAP Sustainability Performance Management, using the Adobe flash technology.

i Note

The Web client requires Adobe Flash Player 10. For more information about the latest Flash Player versions and supported Web browsers, see <http://www.adobe.com/software/flash/about/>.

A Appendix

A.1 List of Documents

The following table lists all documents mentioned in this Master Guide.

Table 11:

Title	Description	Where to find
Installation Guide for SAP Sustainability Performance Management	Contains information on add-on installation and upgrade for SAP Sustainability Performance Management 4.0	SAP Sustainability Performance Management documentation at http://help.sap.com ▶ <i>Financial Management</i> ▶ <i>SAP Sustainability Performance Management</i> ▶ <i><Release></i> ▶ <i>Installation and Upgrade Information</i> ▶ <i>Installation and Upgrade Guide</i> ▶
Operations Guide for SAP Sustainability Performance Management	Contains information about monitoring SAP Sustainability Performance Management	SAP Sustainability Performance Management documentation at http://help.sap.com ▶ <i>Financial Management</i> ▶ <i>SAP Sustainability Performance Management</i> ▶ <i><Release></i> ▶ <i>System Administration and Maintenance Information</i> ▶ <i>Operations Information</i> ▶
Security Guide for SAP Sustainability Performance Management	Contains information about the security setup for SAP Sustainability Performance Management	SAP Sustainability Performance Management documentation at http://help.sap.com ▶ <i>Financial Management</i> ▶ <i>SAP Sustainability Performance Management</i> ▶ <i><Release></i> ▶ <i>Security Information</i> ▶ <i>Security Guide</i> ▶
Application Help for SAP Sustainability Performance Management	Contains the functional and process-oriented documentation for SAP Sustainability Performance Management	SAP Sustainability Performance Management documentation at http://help.sap.com ▶ <i>Financial Management</i> ▶ <i>SAP Sustainability Performance Management</i> ▶ <i><Release></i> ▶ <i>Application Help</i> ▶

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