SAP BW Module requirement gathering

Process Flow

1. Ensure that sufficient disk space is available. Allow for both the operating system and the software to grow

over time as patches or new components become available.

2. Gather the installation media or download the latest release and any Patches or Support Packages from the

SAP Service Marketplace as described in To download the server installation program [page 31].

SAP HOSTAGENT - a required software package for using SAP System Landscape Directory (SLD). To enable

SAP System Landscape Directory (SLD) support [page 27]. The SAP HOSTAGENT is packaged in the

following location BusinessObjectsServer/Collaterals/Tools/SAP\_HOSTAGENT.

In addition, download:

SAPCAR - a compression utility used to compress and decompress downloaded packages in the .SAR format

from SAP Service Marketplace.

To download SAPCAR, go to http://support.sap.com/home.html Software Downloads Support

Packages and Patches Browse our Download Catalog SAP Technology Components SAPCAR .

3. If you plan to use SAP System Landscape Directory (SLD), ensure that the SAP Host Agent is installed before

installing the BI platform. For more information on SLD, see “Registration of SAP BusinessObjects Business

Intelligence platform in the System Landscape” in the SAP BusinessObjects Business Intelligence Platform

Administrator Guide. For information on SAP Host Agent, see To enable SAP System Landscape Directory

(SLD) support [page 27].

4. Decide the values for options you will set during the installation process. In most cases, you can accept the

default values. More advanced installations require that you plan the installation process. The installation

program prompts for the following information:

○ Product key.

○ Folder where the BI platform will be installed.

○ Web application server configuration, including type, connection, and authentication details.

○ Database server configuration, including type, connection, and authentication details.

○ CMS system and Auditing Data Store configuration information, including type, connection, and

authentication details.

○ Central Management Server (CMS) administrator account password and cluster key.

○ CMS port number to receive incoming connections.

○ Server Intelligence Agent (SIA) name.

○ Server Intelligence Agent (SIA) port number for incoming connections.

○ SAP Solution Manager Diagnostics (SMD) configuration.

○ CA Wily Introscope Enterprise Manager configuration.

○ Subversion version control system configuration to store configuration files.

○ Promotion management configuration.

○ Installation type (Full, Custom / Expand, Web Tier). For an explanation of the different installation types,

System requirements

Use the following guidelines when you install the BI platform:

● Ensure that the operating system is supported. Only 64-bit operating systems are supported.

● Before you run the installation program, ensure that the destination partition has enough room for the

deployment to expand (when updates and new features are added in the future).

● If you install the deployment on the operating system partition, ensure that there is enough room for the

deployment and the operating system. It is recommended that you have at least 2 gigabytes available for

temporary files and web applications.

● If you have previously installed any SAP BusinessObjects BI Suite products, the installation program uses the

existing directory.

For a detailed list of supported operating systems and hardware requirements, consult the Supported Platforms

documentation available at https://support.sap.com/home.html

Additional requirements for Red Hat Linux:

Ensure required libraries are installed

Before installing on Red Hat Linux, you must ensure all the required libraries are installed. Ensure you have root

access, then use the Yum software installation tool to run the following commands:

● yum install install libstdc++.i686

● yum install install libstdc++.x86\_64

● yum install compat-libstdc++-33.i686

● yum install compat-libstdc++-33.x86\_64

● yum install glibc.i686

● yum install glibc.x86\_64

● yum install libX11.i686

● yum install libX11.x86\_64

● yum install libXext.i686

● yum install libXext.x86\_64

● yum install expat.i686

● yum install expat.x86\_64

● yum install libgcc.i686

● yum install libgcc.x86\_64

● yum install libXcursor.i686

● yum install libXcursor.x86\_64

● yum install libXrender.i686

● yum install libXrender.x86\_64

● yum install libXfixes.i686

● yum install libXfixes.x86\_64

yum install libxcb.i686

● yum install libxcb.x86\_64

● yum install libXau.i686

● yum install libXau.x86\_64

If these libraries are not installed, you may encounter errors during the installation of SAP BusinessObjects

Business Intelligence platform, as described in the following SAP Support Knowledge Base articles. You can

search for these Knowledge Base Articles at https://support.sap.com/notes .

● 1692724

● 1692679

● 1692695

● 1875824

● 1968075

● 2065789

Support for SAP BW:

The BI platform can integrate with SAP BW. To get the best performance from SAP BW, follow the instructions in

these SAP Notes on https://service.sap.com :

● 1771995 - Incorrect number of hierarchy levels in Design Time

● 1750788 - BICS metadata service enhancement

● 1767351 - Missing metadata of characteristics in the fix filter

● 1776999 - Incorrect hierarchy sorting

● 1777544 - Metadata missing for node type attributes

● 1778347 - Attributes for node types are not read

● 1770434 - Dynamic filter of compound char. is incorrect

● 1762156 - Nodes in fixed filter in Design Time are incorrect

● 1776688 - Too many hierarchy levels are read

● 1798297 - Correction for issue found on Samsung queries

● 1806813 - Text of characteristic values is not read

● 1809517 - Correction for invalid variable order when retrieving the list of variables through the design time

services

● 1811124 - This note fixes the sorting of the of drill down characteristics returned by the design-time API so that

it matches the runtime sorting

● 1812142 - This note fixes the sorting of the hierarchies returned by the design-time API so that it matches the

runtime sorting

● 1817482 - This note adds the feature for the Design Time API to choose whether members should be read

initially or not. By default, there are not read; this provides a performance enhancement for SL

Final checklist:

Prior to installing the BI platform, review the following checklist.

● Have you decided on the installation destination folder?

Note

○ The use of Unicode characters in the destination folder is not supported.

○ Ensure that the installation destination folder is not the same folder in which the installation program

has been extracted (do not install to the current working directory when running the installation

program from the current working directory)

Have you verified appropriate network connectivity between all machines that will be part of your

deployment?

● If you are using your own database server:

○ Have you created a database, tablespace (if required), and accounts for the CMS system and Auditing

Data Store databases?

○ Have you made sure you can log onto the database from the BI platform host?

○ If you are using IBM DB2 or Sybase ASE, have you verified that your database was created with the

correct settings? (Some settings can't be modified after the database has been created.)

○ Has the database client software been properly configured?

● If you are using your own web application server:

○ Have you decided on which web application server to use?

○ Has the server already been installed and configured?

○ Have you ensured that your existing web application server has the required JDK installed?

● If you plan to use SAP System Landscape Directory (SLD), ensure that SAP Host Agent been installed and

configured. For more information, seeSupport for SAP System Landscape Directory (SLD) [page 27].

● If you plan to use SAP Solution Manager Diagnostics (SMD), SMD Agent may have been installed and

configured before or after the BI platform. For more information, see Support for SAP Solution Manager

Diagnostics (SMD) [page 28].

On Unix, the TZ environment variable must be set for all BI platform servers in order to ensure the timestamps on

future scheduled jobs are correct. If the TZ environment variable is not set correctly then the time zone rules

default to US-standard which may cause problems in other locations.

The TZ variable must be set in order to provide the start and end information about DST.

Post-Installation

This section describes the activities that should be performed after the installation program has finished, to test

that the installation was successful.

Verifying your installation

You can verify that your installation was successful by using a Central Management Console (CMC) to log onto

your CMS. The CMC is used to administer servers, users and groups, rights, and security policies.

If you have installed a dedicated web application server, you can enter the web application server's URL to access

the CMC. Use the following URL:

http://<WAS\_HOSTNAME>:<PORT>/BOE/CMC

Substitute <WAS\_HOSTNAME> for the hostname of the web application server and <PORT> for the web application

server's listening port. If you are using a custom web application server root context or BOE.war web application

context, the URL will be different.

If you are using Internet Explorer, you may receive several Internet Explorer Enhanced Security Configuration

warnings because the new server is not yet added to the list of trusted sites. Click Add to add the local web server

to the list of trusted web sites. If your server is not using SSL encryption, deselect Require server verification

(https:) for all sites in this zone.

Log on as the Administrator user by typing Administrator into the User Name field and entering the

administrative password that you entered into the installation program.

For more information on using the CMC, see the SAP BusinessObjects Business Intelligence Platform

Administrator Guide.

Checking the installed version

Use one of the following methods to check the version of the BI platform that you have installed:

● On Unix or Linux deployments, run modifyOrRemoveProducts.sh

BI products and Client Tools

You can see the current version information for BI platform Client Tools and other SAP BusinessObjects BI

products such as SAP Crystal Reports in the Help About menu