

Sterling Business Intelligence



# Installation Guide

*Version 9.1.0.5*



Sterling Business Intelligence



# Installation Guide

*Version 9.1.0.5*

**Note**

Before using this information and the product it supports, read the information in "Notices" on page 51.

This edition applies to version 9.1 of IBM Sterling Business Intelligence and to all subsequent releases and modifications until otherwise indicated in new editions.

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# Chapter 1. Overview of IBM Sterling Business Intelligence

IBM® Sterling Business Intelligence is an analytical solution that can be used by users of this application to aggregate the data that is available across supply chain products of IBM and generate performance reports relevant to their business.

This document contains instructions for installing the various components of the Sterling Business Intelligence application. It also describes the components of the Sterling Business Intelligence application, and provides information about how to set these up in a typical implementation.

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## Intended Audience

This document provides installation and administration information for individuals who are responsible for installing and maintaining the Sterling Business Intelligence application.

This document assumes that the users of Sterling Business Intelligence have working knowledge about installing the IBM Cognos 8 Business Intelligence, Version 8.4.1, suite of products as well as the IBM Sterling Selling and Fulfillment Foundation. Therefore, it is recommended that you read the related Cognos® documentation and the documentation before attempting to install the Sterling Business Intelligence application.

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## Conventions

In this manual, Windows refers to all the supported Windows operating systems.

The following conventions may be used in this manual:

### Convention

#### Meaning

#### <AC\_INSTALL\_DIR>

User-supplied location of the Sterling Business Intelligence Analytics Content installation directory.

#### <INSTALL\_DIR>

User-supplied location of the Sterling Selling and Fulfillment Foundation installation directory. This is only applicable for Release 9.1.

#### <BI\_COGNOS8\_HOME>

User-supplied location of the IBM Cognos 8 Business Intelligence Content installation directory.

#### <c8\_installation>

User-supplied location of the IBM Cognos 8 Business Intelligence installation directory. This is only applicable for Version 8.4.1.





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## Chapter 2. Prerequisites for Installing IBM Sterling Business Center

Following are the prerequisites for installing Sterling Business Intelligence:

- Successful installation and configuration of Sterling Selling and Fulfillment Foundation, Release 9.1. For more information about installing and configuring Sterling Selling and Fulfillment Foundation, refer to the *Selling and Fulfillment Foundation: Installation Guide*.
- Successful installation and configuration of Cognos 8 Business Intelligence, Version 8.4.1. For more information about installing and configuring Cognos 8 Business Intelligence, Version 8.4.1, refer to the Cognos 8 Business Intelligence Installation and Configuration Guide, which is available in the Cognos installation CD.

Note: The 64-bit version of Cognos 8 Business Intelligence, Version 8.4.1, is not compatible with the Cognos 8 Analytic Applications. You must, therefore, install the 32-bit version of Cognos 8 Business Intelligence, Version 8.4.1.

- You must ensure that the database schema is created and configured for both the Sterling Staging Database and the Sterling Data Mart Database. For more information about configuration settings for the data warehouse database, refer to the Cognos 8 Analytic Applications Adaptive Warehouse User Guide at [http://publib.boulder.ibm.com/infocenter/caapps/v8r4m0/index.jsp?topic=/com.ibm.svg.im.cognos.ug\\_aw.8.4.2.doc/ug\\_aw.html](http://publib.boulder.ibm.com/infocenter/caapps/v8r4m0/index.jsp?topic=/com.ibm.svg.im.cognos.ug_aw.8.4.2.doc/ug_aw.html).

After the database is set up, you must have the following information pertaining to both the Sterling Staging Database and Sterling Data Mart Database:

- Database user name and password
- Database host name and port
- Database catalog name



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## Chapter 3. Checklist for IBM Sterling Business Intelligence Installation

Use the following checklist to guide you through the Sterling Business Intelligence installation tasks:

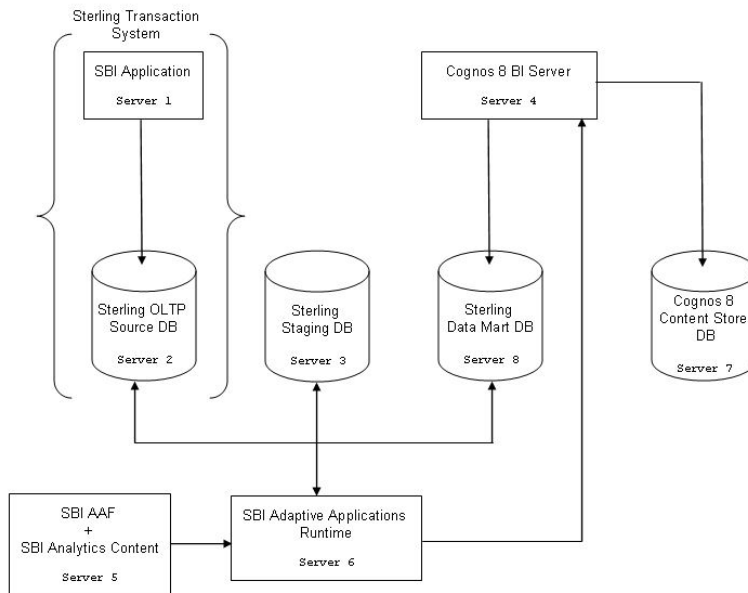
1. Ensure that you have the necessary prerequisites to install and run the Sterling Business Intelligence solution as listed in the topic Chapter 2, “Prerequisites for Installing IBM Sterling Business Center,” on page 3
2. Ensure that you have understood the Sterling Business Intelligence ecosystem and the necessary system requirements to install and run the Sterling Business Intelligence application as described in the topic Chapter 4, “Understanding the IBM Sterling Business Intelligence Ecosystem,” on page 7. It is recommended that you use the same vendor for the platform and the database, that you used for the Sterling Transaction System (server 1) and the Sterling Source Database (server 2) respectively.
3. Install the Sterling Business Intelligence Application component. For more information about this, refer to the topic Chapter 5, “Installing the IBM Sterling Business Intelligence Application,” on page 13.
4. Install the Sterling Business Intelligence Adaptive Applications Framework. For more information about this, refer to the topic “Install the IBM Sterling Business Intelligence Adaptive Applications Framework” on page 21.
5. Install the Sterling Business Intelligence Analytics Content component. For more information about this, refer to the topic “Install the IBM Sterling Business Intelligence Analytics Content” on page 27.
6. Install the Sterling Business Intelligence Adaptive Applications Runtime component. For more information about this, refer to the topic Chapter 7, “Install the IBM Sterling Business Intelligence Adaptive Applications Runtime in Windows Environment,” on page 23.
7. Install the Sterling Business Intelligence Analytics Content for IBM Cognos 8 Business Intelligence. For more information about this, refer to the topic “Install the IBM Sterling Business Intelligence Content for IBM Cognos 8 Business Intelligence” on page 29.
8. Deploy the Sterling Business Intelligence Application components. For more information about this, refer to the topic Chapter 11, “Deploy IBM Sterling Business Intelligence,” on page 31.
9. Verify the Sterling Business Intelligence installation. For more information about this, refer to the topic Chapter 12, “Verify the IBM Sterling Business Intelligence Installation,” on page 43.



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## Chapter 4. Understanding the IBM Sterling Business Intelligence Ecosystem

This topic explains the Sterling Business Intelligence application ecosystem, which is illustrated here.



**Important:** The best distribution option of installing the Sterling Business Intelligence components depends on your individual requirements, resources, and preferences. It is strongly recommended that you install each of the components on different servers.

---

### IBM Sterling Business Intelligence Application

The Sterling Business Intelligence application is installed on Sterling Selling and Fulfillment Foundation. The Sterling Business Intelligence application is installed on server 1. The application consists of a Web User Interface (UI) and related APIs that help you select the reports criteria and generate reports. The application also installs framework components related to efficient change data capture, and other configuration data essential for the application to work.

---

### Sterling Source Database

The Sterling Source Database hosts the online transaction processing (OLTP) database server, which is installed on server 2. This is used as a source data server. The technical stack requirements for this system are the same as that required for a database server in Sterling Selling and Fulfillment Foundation. For more information about the technical stack requirements for this system, refer to the *Selling and Fulfillment Foundation: System Requirements Guide*.

---

## Sterling Staging Database

The Sterling Staging Database is the source for the data mart database, and is installed on server 3. The staging environment consists of a database in which the incremental transaction data that is extracted, transformed, and loaded (ETL) from the source is stored. For information about the technical stack requirements for this system, refer to the *Selling and Fulfillment Foundation: System Requirements Guide*.

---

## IBM Cognos 8 Business Intelligence Server

The Cognos 8 Business Intelligence server is the environment in which the Cognos 8 Business Intelligence server is hosted. This is installed in server 4. For information about the technical stack requirements for the Cognos 8 Business Intelligence server, refer to the Cognos 8 Analytics Applications Installation and Configuration Guide.

---

## IBM Sterling Business Intelligence Adaptive Applications Framework

The Sterling Business Intelligence Adaptive Applications Framework component includes the IBM Cognos Adaptive Applications Framework. This component is installed on server 5.

The IBM Cognos Adaptive Applications Framework includes:

- Adaptive Warehouse
- Adaptive Analytics

Adaptive Warehouse is a data modeling environment used to design and populate a target data warehouse. It provides an interface that facilitates the extraction, transformation, and loading of application-specific data from the source database into the target data warehouse. It helps you construct a source model that describes the rules for querying the source database.

Adaptive Analytics provides a set of reports for performance monitoring, analysis, and operational reporting. These role-based report layouts allow you to quickly analyze the data in your warehouse in the context of each application.

For more information about installing the Sterling Business Intelligence Adaptive Applications Framework component, refer to the topic “Install the IBM Sterling Business Intelligence Adaptive Applications Framework” on page 21.

---

## Introduction to Installing the IBM Sterling Business Intelligence Analytics Content

Prior to installing the Sterling Business Intelligence Analytics Content, ensure that JDK1.5 or later version is installed in the system.

The Sterling Business Intelligence Analytics Content component is available only for Microsoft Windows. This installer installs the application content files in your system.

The Sterling Business Intelligence Analytics Content is installed on server 5, as described in the topic Chapter 4, “Understanding the IBM Sterling Business Intelligence Ecosystem,” on page 7.

**Note:** Ensure that there is at least 50 MB of free space available for installation.

## IBM Sterling Business Intelligence Analytics Content

The Sterling Business Intelligence Analytics Content component consists of Analytics content files for your system. Analytics content files are metadata files that serve as the data mart model as well as the report specification. This component is installed on server 5.

For more information about installing the Sterling Business Intelligence Adaptive Analytics Content component, refer to the topic “Install the IBM Sterling Business Intelligence Analytics Content” on page 27.

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## IBM Sterling Business Intelligence Adaptive Applications Runtime

The Sterling Business Intelligence Adaptive Applications Runtime component consists of the IBM Cognos Adaptive Warehouse Runtime. This component is used by the Adaptive Warehouse user interface and scripts. The Sterling Business Intelligence Adaptive Applications Runtime helps to run the extract, transform, and load (ETL) scripts in different environments. The Sterling Business Intelligence Adaptive Applications Runtime component is installed on server 6.

For more information about installing the Sterling Business Intelligence Analytics Applications Runtime component, refer to the topic Chapter 7, “Install the IBM Sterling Business Intelligence Adaptive Applications Runtime in Windows Environment,” on page 23.

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## IBM Sterling Business Intelligence Components and Content for IBM Cognos 8 Business Intelligence

The Cognos 8 Business Intelligence Content comprises dashboard reports and files required for communication between the Cognos Business Intelligence server and the Sterling Business Intelligence application. This component is installed on server 7.

For more information about installing the Cognos 8 Business Intelligence Content component, refer to the topic “Install the IBM Sterling Business Intelligence Content for IBM Cognos 8 Business Intelligence” on page 29.

---

## Sterling Data Mart Database

The Sterling Data Mart database is the environment in which the data mart database is hosted. This is installed on server 8. The data in this database is dimensionally modeled data that is analytics-friendly. For information about the technical stack requirements for this system, refer to the *Selling and Fulfillment Foundation: Installation Guide*.

## Supported Stacks

The following table describes the stacks that are supported by Sterling Business Intelligence:

Component	Application Server	DB Version	OS Version	JDK Version
Sterling Business Intelligence Application	Oracle WebLogic 11gR1 (10.3.2)		<ul style="list-style-type: none"> <li>• HP-UX 11i v3 on Itanium</li> <li>• IBM AIX® 6.1 SP10</li> <li>• Sun Solaris 10 on SPARC processor and AMD Opteron</li> <li>• Red Hat Enterprise Linux 5.5 / AP 64-bit Xeon or AMD processor</li> <li>• SUSE Linux Enterprise 11 on 64-bit Xeon or AMD-Opteron processor</li> <li>• Windows 2008 Enterprise / Standard Edition</li> </ul>	<ul style="list-style-type: none"> <li>• HP JDK 6.0.02 (64-bit)</li> <li>• IBM JDK 6.0 (64-bit)</li> <li>• Sun JDK 6.0 Update14 (1.6.0_14) (64-bit)</li> <li>• JRockit 6.0 (R27.6.0-50) (64-bit)</li> <li>• Sun JDK 6.0 Update14 or JRockit 6.0 (R27.6.0-50) (64-bit)</li> <li>• Sun JDK 6.0 Update14 or JRockit 6.0 (R27.6.0-50) (64-bit)</li> </ul>



Component	Application Server	DB Version	OS Version	JDK Version
Sterling Business Intelligence Application	IBM WebSphere® 7.0.0.9		<ul style="list-style-type: none"> <li>• IBM AIX 6.1 SP10</li> <li>• Sun Solaris 10 on SPARC processor and AMD Opteron</li> <li>• Red Hat Enterprise Linux 5.5 / AP 64-bit Xeon or AMD processor</li> <li>• SUSE Linux Enterprise 11 on 64-bit Xeon or AMD-Opteron processor</li> </ul>	<ul style="list-style-type: none"> <li>• IBM JDK 6.0 SR7 (WebSphere7.0.0.9)</li> <li>• IBM JDK 6.0 SR7 (WebSphere7.0.0.9)</li> <li>• Sun JDK 6.0 Update14 (1.6.0_14) (64-bit)</li> <li>• Sun JDK 6.0 Update14 (1.6.0_14) (64-bit)</li> </ul>
	JBoss EAP 4.3		<ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux 5.4 / AP 64-bit Xeon or AMD processor</li> <li>• Sun Solaris 10 on SPARC processor and AMD Opteron</li> </ul>	<ul style="list-style-type: none"> <li>• Sun JDK 6.0 Update 14 (1.6.0_14) (64-bit)</li> <li>• Sun JDK 6.0 Update 14 (1.6.0_14) (64-bit)</li> </ul>
		Oracle 11.1.0.7	<ul style="list-style-type: none"> <li>• HP-UX 11i v3 on Itanium</li> <li>• IBM AIX 6.1 SP10</li> <li>• Sun Solaris 10 on SPARC processor and AMD Opteron</li> <li>• Red Hat Enterprise Linux 5.5 / AP 64-bit Xeon or AMD processor</li> <li>• SUSE Linux Enterprise 11 on 64-bit Xeon or AMD-Opteron processor</li> <li>• Windows 2008 Enterprise / Standard Edition</li> </ul>	
		DB2® 9.7	<ul style="list-style-type: none"> <li>• IBM AIX 6.1 only with WebSphere and WebLogic 10.3.2</li> <li>• Red Hat Enterprise Linux 5.5 / AP 64-bit Xeon or AMD processor only with WebSphere and WebLogic</li> </ul>	
		Microsoft SQL 2005 SP2	<ul style="list-style-type: none"> <li>• Windows 2008 Enterprise / Standard Edition</li> </ul>	
Sterling Business Intelligence Adaptive Applications Framework	NA	NA	Microsoft Windows (32-bit)	NA

Component	Application Server	DB Version	OS Version	JDK Version
Sterling Business Intelligence Adaptive Applications Runtime	NA	NA	<ul style="list-style-type: none"> <li>• Microsoft Windows (32-bit)</li> <li>• IBM AIX 6.1</li> <li>• Sun Solaris 10 on SPARC processor</li> <li>• Red Hat Enterprise Linux Server 5 (x86-64)</li> <li>• Windows 2008 Enterprise / Standard Edition</li> </ul>	NA

**Note:** It is recommended that you avoid using Sterling Business Intelligence Adaptive Applications Runtime on Sun Solaris 10, UltraSPARC T1 and T2 processors as it is known to have performance issues.

---

## Internet Browser and Plug-In Requirements

The following table describes the Internet browser and Java plug-in requirements:

Internet Browser	Operating System	JRE
<ul style="list-style-type: none"> <li>• Microsoft Internet Explorer 8</li> <li>• Microsoft Internet Explorer 7</li> <li>• Mozilla Firefox 3.6</li> <li>• Mozilla Firefox 3.5</li> </ul>	All operating systems	NA

**Note:** While using MS Internet Explorer 8, it is recommended that you turn off the Compatibility View option.

---

## Third-Party Software Requirements

The following table describes the third-party software requirement for Sterling Business Intelligence:

Third-Party Software	Version	
Cognos 8 Business Intelligence	8.4.1	For information about the Cognos 8 BI Version 8.4.1 software environments, see:  <a href="http://www-01.ibm.com/support/docview.wss?uid=swg27017522">http://www-01.ibm.com/support/docview.wss?uid=swg27017522</a> <a href="http://www-01.ibm.com/support/docview.wss?uid=swg27017522">http://www-01.ibm.com/support/docview.wss?uid=swg27017522</a>

---

## Chapter 5. Installing the IBM Sterling Business Intelligence Application

Prior to installing the Sterling Business Intelligence application, ensure that you have installed Sterling Selling and Fulfillment Foundation, Release 9.1. You must also ensure that the database schema is created and configured for both the Sterling Staging Database and the Sterling Data Mart Database. For more information about the configuration settings for the data warehouse database, refer to the Cognos 8 Analytic Applications Adaptive Warehouse User Guide.

The Sterling Business Intelligence application should be installed on server 1, as described in the topic Chapter 4, "Understanding the IBM Sterling Business Intelligence Ecosystem," on page 7.

**Note:** You will be directed to perform either a single schema installation or a multischema installation based on the configuration of Sterling Selling and Fulfillment Foundation, Release 9.1.

Ensure that there is at least 1 GB of free space available for installation.

---

### Single Schema Installation in Windows

To perform a single schema installation in a Windows environment, perform these steps:

#### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Business\_Intelligence\_Application folder.
3. Copy SCInstallWizard.jar and sbi.jar to your designated path, for example, D:/sbi/CDROM/SCIINSTALLWizard.jar.
4. Execute the following command to start the installation wizard:  

```
<JAVA_HOME>/bin/java -jar SCInstallWizard.jar
```

The Installation dialog box is displayed.

**Note:** You must be in the directory in which the SCInstallWizard.jar file resides when executing this command.

5. Click Next to start the installation. The License Conditions screen is displayed.
6. Review the license agreement and click Accept to accept the terms.
7. In the Sterling Selling and Fulfillment Foundation Folder screen, enter the path to the folder in which Sterling Selling and Fulfillment Foundation, Release 9.1, is installed. Alternatively, click Select Folder and navigate to the location in which Sterling Selling and Fulfillment Foundation, Release 9.1, is installed, and click Select Folder. This displays the folder's path in the Selling and Fulfillment Foundation Folder screen.
8. Click Next.
9. In the Confirming Input Information screen that is displayed, verify that you have selected the correct folder, and click Next. (To select another folder, click Back and repeat steps 6, 7, and 8).

The Data Mart Database Connection Information screen is displayed, with the Database Vendor name populated in the corresponding field.

10. Enter the relevant information in the applicable fields for Sterling data mart database, as described in the following table.

**Note:** Determine and record information about your Oracle, Microsoft SQL server 2005, or DB2 database server on which the schema for the Sterling data mart database is created. Ensure that the schema is created with the UTF-8 character set enabled. For more details about enabling the UTF-8 character set, refer to the documentation pertaining to the corresponding database.

Field	Description
-------	-------------

<b>Database user name</b>	
---------------------------	--

Name of the database user.

<b>Database password</b>	
--------------------------	--

Password to access the database.

<b>Confirm database password</b>	
----------------------------------	--

Re-enter the password.

<b>Database catalog name</b>	
------------------------------	--

Name of the database catalog, for example, OracleSID.

<b>Database schema name</b>	
-----------------------------	--

Name of the database schema. This field is optional. If no value is entered, for DB2 and Oracle database, the default value for the schema name is the same as the user name. For Microsoft SQL server, the default value for the schema name is dbo.

<b>Database host name</b>	
---------------------------	--

IP address or host name of the location in which the database is installed.

<b>Database port</b>	
----------------------	--

Port number of the database.

<b>JDBC driver file</b>	
-------------------------	--

Path to the database driver file, for example, D:/sbi/ojdbc14.jar

Note: If your database is DB2, enter your second JDBC driver file path also.

11. Enter the relevant information in the applicable fields for Sterling staging database, as described in the following table.

**Note:** Determine and record information about your Oracle, Microsoft SQL server 2000/2005, or DB2 database server on which the schema for the Sterling staging database is created. Ensure that the schema is created with the UTF-8 character set enabled. For more details about enabling the UTF-8 character set, refer to the documentation pertaining to the corresponding database.

Field	Description
-------	-------------

<b>Database user name</b>	
---------------------------	--

Name of the database user.

**Database password**

Password to access the database.

**Confirm database password**

Re-enter the password.

**Database catalog name**

Name of the database catalog, for example, OracleSID.

**Database schema name**

Name of the database schema. This field is optional. If no value is entered, for DB2 and Oracle database, the default value for the schema name is the same as the user name. For Microsoft SQL server, the default value for the schema name is dbo.

**Database host name**

IP address or host name of the location in which the database is installed.

**Database port**

Port number of the database.

12. Click Next.
13. In the Installation Progress screen that is displayed, click Install to proceed with the installation. To view detailed information about the progress of the installation, click Show Details.
14. After the installation is completed, click Exit. For details about errors that may have occurred during installation, refer to the SBI\_PreInstallSI.log file available in the <INSTALL\_DIR> directory
15. Install the database DDLs by executing the dbverify utility to verify the database schema.
16. Load the factory setup. To load the Sterling Business Intelligence database factory defaults after the product installation, load the defaults using the script applicable to your operating system. From the command line, run the <INSTALL\_DIR>/bin/loadDefaults.sh command on UNIX or Linux, and the <INSTALL\_DIR>\bin\loadDefaults.cmd command on Windows, and pass the absolute file path to the installer XML file, and the absolute path to the factory setup XMLs:
  - On UNIX or Linux:

```
loadDefaults.sh
<INSTALL_DIR>/installed_data/sbi/factorysetup/installer.xml
<INSTALL_DIR>/installed_data/sbi/factorysetup/XMLS
```
  - On Windows:

```
loadDefaults.cmd
<INSTALL_DIR>\installed_data\sbi\factorysetup\installer.xml
<INSTALL_DIR>\installed_data\sbi\factorysetup\xmls
```

---

## Single Schema Installation in UNIX

To perform a single schema installation in UNIX environment, perform these steps:

## Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Business\_Intelligence\_Application folder.
3. Copy SCIInstallWizard.jar and sbi.jar to your designated path, for example, D:/sbi/CDROM/SCIINSTALLWizard.jar.
4. Execute the following command to start the installation wizard:  

```
<JAVA_HOME>/bin/java -jar SCIInstallWizard.jar
```

Note: You must be in the directory in which the SCIInstallWizard.jar file resides when executing this command.
5. Press **Enter** to view the license agreement.
6. Press **Y** to accept the license and **N** to reject the license agreement.
7. Enter the path to the directory where Sterling Selling and Fulfillment Foundation is installed.
8. Press **Enter**.
9. In the Data Mart Database Connection Information screen, enter the database user name.
10. Press **Enter**.
11. Enter the database password.
12. Press **Enter**.
13. Enter the database catalog name.
14. Press **Enter**.
15. Enter Database schema name.
16. Press **Enter**.
17. Enter the database host name.
18. Press **Enter**.
19. Enter the database port.
20. Press **Enter**.
21. Enter the path to the JDBC driver file.
22. Press **Enter**.
23. Enter the path to the second JDBC driver file, if required.
24. Press **Enter**. The Confirming Input Information message, with values for the user name, password, catalog, host name, port, and the path to the JDBC driver, is displayed.
25. Press **Enter** to confirm the value for each attribute. The database version validation details are displayed.
26. Press **Enter**.
27. In the Staging Database Connection Information screen, enter the staging database user name.
28. Press **Enter**. The Confirm Staging Database password message is displayed.
29. Press **Enter**.
30. Enter Staging database catalog name.
31. Press **Enter**.
32. Enter Staging database schema name.
33. Press **Enter**.
34. Enter Staging database host name.

35. Press **Enter**.
36. Enter Staging database port.
37. Press **Enter**. The Confirm Staging Database Information message, with values for catalog name, host name, and port, is displayed.
38. Press **Enter** to confirm the value for each attribute. The following message is displayed: Database Version Validation Completed Successfully
39. Press **Enter**. The Installation Progress screen is displayed. After the installation is complete, the following message is displayed: Installation is completed successfully

---

## Multischema Installation in Windows

### About this task

To perform a multischema installation in Windows environment, perform these steps:

### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Business\_Intelligence\_Application folder.
3. Copy SCInstallWizard.jar and sbi.jar to your designated path, for example, D:/sbi/CDROM/SCIINSTALLWizard.jar.
4. Execute the following command to start the installation wizard:  

```
<JAVA_HOME>/bin/java -jar SCInstallWizard.jar
```

The Installation dialog box is displayed.

You must be in the directory in which the SCInstallWizard.jar file resides when executing this command.
5. Click **Next** to start the installation.  

The License Conditions screen is displayed.
6. Review the license agreement and click **Accept** to accept the terms.
7. In the Sterling Selling and Fulfillment Foundation Folder screen, enter the path to the folder in which Sterling Selling and Fulfillment Foundation, is installed. Alternatively, click Select Folder and navigate to the location in which Sterling Selling and Fulfillment Foundation, is installed, and click **Select Folder**. This displays the folder's path in the Sterling Selling and Fulfillment Foundation Folder screen.
8. Click **Next**.
9. In the Confirming Input Information screen that is displayed, verify that you have selected the correct folder, and click **Next**. (To select another folder, click **Back** and repeat steps 6, 7, and 8).
10. In the Installation Progress screen that is displayed, click **Install** to proceed with the installation. To view detailed information about the progress of the installation, click **Show Details**.
11. After the installation is completed, click **Exit**.  

For details about errors that may have occurred during installation, refer to the SBI\_PreInstallSI.log file in the <INSTALL\_DIR> directory.

Set up a database pool for the data warehouse schema and staging schema. For each colony, you must associate the database pool pertaining to the data

warehouse schema and staging schema to the table types BI and BI\_STAGING respectively. For more information about managing database pools and colonies, refer to the *Enterprise Onboarding for Multi-Tenancy Guide*.

**Note:** During the installation of Sterling Selling and Fulfillment Foundation, if you had chosen to install with no database DDLs and factory setup, execute the following steps:

- a. Install the database DDLs by executing the dbverify utility to verify the database schema. For more information about verifying the database schema, refer to the *Selling and Fulfillment Foundation: Installation Guide*.
- b. Load the factory setup. To load the Sterling Business Intelligence database factory defaults after the product installation, load the defaults using the script applicable to your operating system. From the command line, run the <INSTALL\_DIR>/bin/loadDefaults.sh command on UNIX or Linux, and or the <INSTALL\_DIR>\bin\loadDefaults.cmd command on Windows, and pass the absolute file path to the installer XML file, and the absolute path to the factory setup XMLs:
  - On UNIX or Linux:

```
loadDefaults.sh
<INSTALL_DIR>/installed_data/sbi/factorysetup/installer.xml
<INSTALL_DIR>/installed_data/sbi/factorysetup/XMLS
```
  - On Windows:

```
loadDefaults.cmd
<INSTALL_DIR>installed_data\sbi\factorysetup\installer.xml
<INSTALL_DIR>installed_data\sbi\factorysetup/XMLS
```

---

## Multischema Installation in UNIX

### About this task

To perform a multischema installation in UNIX or Linux environment, perform these steps:

### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Business\_Intelligence\_Application folder.
3. Copy SCIIInstallWizard.jar and sbi.jar to your designated path, for example, D:/sbi/CDROM/SCIIINSTALLWizard.jar.
4. Execute the following command to start the installation wizard:

```
<JAVA_HOME>/bin/java -jar SCIIInstallWizard.jar
```

Note: You must be in the directory in which the SCIIInstallWizard.jar file resides when executing this command.

5. Press Enter to view the license agreement.
6. Press Y to accept the license and N to reject the license agreement.
7. Enter the path to the directory where Sterling Selling and Fulfillment Foundation is installed.
8. Press Enter.

The Installation Progress screen is displayed. After the installation is complete, the following message is displayed:



Installation is completed successfully



---

## Chapter 6. Introduction to Installing the IBM Sterling Business Intelligence Adaptive Applications Framework

Prior to installing the Sterling Business Intelligence Adaptive Applications Framework, ensure that JDK1.5 or later version is installed in the system.

The Sterling Business Intelligence Adaptive Applications Framework component can be installed only on Microsoft Windows. This installer installs the IBM Cognos Adaptive Warehouse, the IBM Cognos Adaptive Analytics Development Studio environment, and the Sterling Business Intelligence Analytics components.

The Sterling Business Intelligence Adaptive Applications Framework is installed on server 5, as described in the topic Chapter 4, "Understanding the IBM Sterling Business Intelligence Ecosystem," on page 7.

**Note:** Ensure that there is at least 1 GB of free space available for installation.

---

### Install the IBM Sterling Business Intelligence Adaptive Applications Framework

#### About this task

To install the Sterling Business Intelligence Adaptive Applications Framework, perform the following steps:

#### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Adaptive\_Analytics\_Framework folder.
3. Copy SCIIInstallWizard.jar to your designated path, for example, D:/sbi/CDRomAnalytics\_Framework.
4. Execute the following command to start the installation wizard:  
`<JAVA_HOME>/bin/java -jar SCIIInstallWizard.jar`  
The Installation dialog box is displayed.

**Note:** You must be in the directory in which the SCIIInstallWizard.jar file resides when executing this command.

5. Click Next to start the installation. The License Conditions screen is displayed.
6. Review the license agreement and click Accept to accept the terms. The JDK Directory screen is displayed.
7. Enter the path of the location in which JDK is installed. Alternatively, click Select Folder and navigate to the location in which JDK is installed, and click Select Folder.
8. Click Next to select the installation directory. Alternatively, click Select Folder and navigate to the directory in which you want to install the Sterling Business Intelligence Adaptive Applications Framework components, and click Select Folder.

The path to the directory in which you want to install the Sterling Business Intelligence Adaptive Applications Framework is displayed in the Installation Directory screen. This directory is referred to as <INSTALL\_DIR> in subsequent prompts.

9. Click Next.
10. In the Installation Progress screen that is displayed, click Install to proceed with the installation. To view detailed information about the progress of the installation, click Show Details.
11. After the installation is completed, click Exit.

The adapappsfw\_win32\_8.4.2\_ml.tar.gz file is now available in the <INSTALL\_DIR> directory.

For details about any errors that may have occurred during the installation, refer to the SBI\_Analytics\_Framework\_PreInstallSI.log file in the <INSTALL\_DIR> directory.
12. Extract the adapappsfw\_win32\_8.4.2\_ml.tar.gz file. The adapappsfw\_win32\_8.4.27.16\_ml.tar file is extracted.
13. Extract adapappsfw\_win32\_8.4.27.16\_ml.tar file. The corresponding files are extracted to the respective folders.
14. Run the issetup.exe in the <extracted folder>/win32 directory.

For completing the installation and configuration of the Adaptive Analytics Framework, refer to the Cognos 8 Analytics Applications Installation and Configuration Guide.
15. After the installation is complete, open the Cognos Configuration and click Save. This ensures that the cryptographic information is regenerated.

---

## Chapter 7. Install the IBM Sterling Business Intelligence Adaptive Applications Runtime in Windows Environment

### Before you begin

To install the Sterling Business Intelligence Adaptive Applications Runtime in Windows environment, perform these steps:

### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Adaptive\_Analytics\_Runtime folder.
3. Copy SCIIInstallWizard.jar to your designated path, for example, D:/sbi/CDRomAnalytics\_Runtime.
4. Execute the following command to start the installation wizard:

```
<JAVA_HOME>/bin/java -jar SCIIInstallWizard.jar
```

The Installation dialog box is displayed.

**Note:** You must be in the directory in which the SCIIInstallWizard.jar file resides when executing this command.

5. Click Next to start the installation program.  
The License Conditions screen is displayed.
6. Review the license agreement and click Accept to accept the terms.  
The JDK Directory screen is displayed.
7. Enter the path of the location in which JDK is installed. Alternatively, click Select Folder and navigate to the location in which JDK is installed and click Select Folder.
8. Click Next to select the installation directory. Alternatively, click Select Folder and navigate to the location where you want to install the Sterling Business Intelligence Adaptive Applications Runtime components and click Select Folder.  
The path to the directory in which you want to install the Sterling Business Intelligence Adaptive Applications Runtime to be installed is displayed in the Installation Directory screen. This directory is referred to as <INSTALL\_DIR> in subsequent prompts.
9. Click Next.
10. In the Installation Progress screen, click Install to proceed with the installation. To view detailed information about the progress of the installation, click Show Details.
11. After the installation is completed, click Exit.  
The adapappsfwrt\_win32\_8.4.2\_ml.tar.gz file is now available in the <INSTALL\_DIR>/Analytics directory.  
For details about any errors that may have occurred during the installation, refer to the SBI\_PreInstallSI.log file in the <INSTALL\_DIR> directory.
12. Extract the adapappsfwrt\_win32\_8.4.2\_ml.tar.gz file.  
The adapappsfw\_win32\_8.4.27.16\_ml.tar file is extracted.
13. Extract adapappsfw\_win32\_8.4.27.16\_ml.tar file.

The corresponding files are extracted to the respective folders.

14. Locate the issetup.exe file and run it.

For completing the installation and configuration of the Adaptive Applications Runtime, refer to the Cognos 8 Analytics Applications Installation and Configuration Guide.

---

## Chapter 8. Install the IBM Sterling Business Intelligence Adaptive Applications Runtime in Linux or UNIX Environment

The Sterling Business Intelligence Adaptive Applications Runtime component can be installed on UNIX (HP, IBM AIX, Sun Solaris, Linux). This installer installs the IBM Cognos Adaptive Applications Runtime environment.

This runtime installation is used to execute the extract, transform, and load (ETL) scripts that have been generated from the Adaptive Warehouse (development environment).

The Sterling Business Intelligence Adaptive Applications Runtime is installed on server 6, as described in the “Understanding the Sterling Business Intelligence Ecosystem” topic.

**Note:** Ensure that there is at least 1 GB of free space available for installation.

---

### Install the IBM Sterling Business Intelligence Adaptive Applications Runtime in Linux or UNIX Environment

#### About this task

To install the Sterling Business Intelligence Adaptive Applications Runtime components in Linux or UNIX environment, perform these steps:

#### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Adaptive\_Analytics\_Runtime folder.
3. Copy SCInstallWizard.jar to your designated path.
4. Execute the following command to start the installation wizard:

```
<JAVA_HOME>/bin/java -jar SCInstallWizard.jar
```

**Note:** You must be in the directory where the SCInstallWizard.jar file resides when executing this command.

5. Press Enter to view the license agreement.
6. Press Y to accept the license and N to reject.
7. Enter the path of the location in which JDK is installed and press Enter.

The path to the directory in which you want to install the Sterling Business Intelligence Adaptive Applications Runtime to be installed is displayed in the Installation Directory screen. This directory is referred to as <INSTALL\_DIR> in subsequent prompts.

8. Press Enter.

After the installation is complete, the following message is displayed:

```
BUILD SUCCESSFUL
```

9. After the installation is completed, click Exit.

Depending on the version of the operating system, any one of the following files is available in the <INSTALL\_DIR>/Analytics directory:

- For IBM AIX - adapappsfwrt\_aix32\_8.4.2\_ml.tar.gz
- For Linux - adapappsfwrt\_linuxi38632\_8.4.2\_ml.tar.gz
- For Sun Solaris - adapappsfwrt\_solaris32\_8.4.2\_ml.tar.gz

For details about any errors that may have occurred during the installation, refer to the SBI\_PreInstallSI.log file in the <INSTALL\_DIR> directory.

10. Depending on the version of the operating system, extract any one of the following files:

- For IBM AIX - adapappsfwrt\_aix32\_8.4.2\_ml.tar.gz
- For Linux - adapappsfwrt\_linuxi38632\_8.4.2\_ml.tar.gz
- For Sun Solaris - adapappsfwrt\_solaris32\_8.4.2\_ml.tar.gz

The required file is extracted.

11. Depending on the version of the operating system, extract any one of the following files:

- adapappsfw\_aix32\_8.4.27.16\_ml.tar
- adapappsfw\_linuxi32\_8.4.27.16\_ml.tar
- adapappsfw\_solaris32\_8.4.27.16\_ml.tar

The corresponding files are extracted to the respective folders.

12. To start the installation, enter `./issetup`.

If you do not use XWindows, run an unattended installation.

For more information about running the unattended installation, completing the installation, and configuring the Adaptive Applications Runtime, refer to the *Cognos 8 Analytics Applications Installation and Configuration Guide*.



---

## Chapter 9. Introduction to Installing the IBM Sterling Business Intelligence Analytics Content

Prior to installing the Sterling Business Intelligence Analytics Content, ensure that JDK1.5 or later version is installed in the system.

The Sterling Business Intelligence Analytics Content component is available only for Microsoft Windows. This installer installs the application content files in your system.

The Sterling Business Intelligence Analytics Content is installed on server 5, as described in the topic Chapter 4, "Understanding the IBM Sterling Business Intelligence Ecosystem," on page 7.

**Note:** Ensure that there is at least 50 MB of free space available for installation.

---

### Install the IBM Sterling Business Intelligence Analytics Content

#### About this task

To install the Sterling Business Intelligence Analytics Content, perform these steps:

#### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Adaptive\_Analytics\_Content folder.
3. Copy SCInstallWizard.jar to your designated path, for example, D:/sbi/CDRomAnalytics.
4. Execute the following command to start the installation wizard:

```
<JAVA_HOME>/bin/java -jar SCInstallWizard.jar
```

The Installation dialog box is displayed.

**Note:** You must be in the directory in which the SCInstallWizard.jar file resides when executing this command.

5. Click Next to start the installation.
6. Enter the path to the folder in which JDK is installed. Alternatively, click Select Folder and navigate to the location in which JDK is installed, and click Select Folder.
7. Click Next to select the installation directory. Alternatively, click Select Folder and navigate to the folder in which you want to install the Sterling Business Intelligence Analytics Content component and click Select Folder.

The path to the directory in which you want the Sterling Business Intelligence Analytics Content component to be installed is displayed in the Installation Directory screen. This directory is referred to as <AC\_INSTALL\_DIR> in subsequent prompts.

8. Click Next.
9. In the Installation Progress screen, click Install to proceed with the installation. To view detailed information about the progress of the installation, click Show Details.

10. After the installation is completed, click Exit.

For details about any errors that may have occurred during the installation, refer to the SBI\_Analytics\_PreInstallSI.log file in the <AC\_INSTALL\_DIR> directory.

---

## Chapter 10. Install the IBM Sterling Business Intelligence Content for Cognos 8 Business Intelligence

Prior to installing the Sterling Business Intelligence Content for Cognos 8 Business Intelligence, ensure that JDK1.5 or later version is installed in the system.

Cognos 8 Business Intelligence Content can be installed on all platforms. This installer installs the Dashboard reports and files required for communication between the Cognos 8 Business Intelligence server and Sterling Business Intelligence in your system. As part of this installation, the Sterling Business Intelligence Content is deployed on the Cognos server.

The Cognos 8 Business Intelligence Content is installed on server 4, as described in the topic Chapter 4, "Understanding the IBM Sterling Business Intelligence Ecosystem," on page 7

**Note:** Ensure that there is at least 50 MB of free space available for installation.

---

### Install the IBM Sterling Business Intelligence Content for IBM Cognos 8 Business Intelligence

#### About this task

To install the Sterling Business Intelligence Content for Cognos 8 Business Intelligence, perform the following steps:

#### Procedure

1. Place the Sterling Business Intelligence installation DVD in the appropriate drive.
2. From the installation DVD, navigate to Cognos\_8\_BI\_Content folder.
3. Copy SCInstallWizard.jar to your designated path, for example, D:/sbi/CDRomAnalytics\_Cognos\_8\_BI\_Content.
4. Execute the following command to start the installation wizard:  
`<JAVA_HOME>/bin/java -jar SCInstallWizard.jar`  
The Installation dialog box is displayed.  
You must be in the directory in which the SCInstallWizard.jar file resides when executing this command.
5. Click Next to start the installation.  
The License Conditions screen is displayed.
6. Review the license agreement and click Accept to accept the terms.  
The JDK Directory screen is displayed.
7. Enter the path in which the JDK is installed. Alternatively, click Select Folder and navigate to the location where the JDK is installed and click Select Folder.
8. Click Next in the Installation Directory screen to select the installation directory. Alternatively, click Select Folder and navigate to the directory in which you want to install the Cognos 8 Business Intelligence Content component and click Select Folder.

In the Installation Directory screen, the path to the directory in which you want to install the Cognos 8 Business Intelligence Content is displayed. This directory is referred to as <BI\_COGNOS8\_HOME> in subsequent prompts.

9. Click Next.
10. In the Installation Progress screen, click Install to proceed with the installation. To view detailed information about the progress of the installation, click Show Details
11. After the installation is completed, click Exit.  
For details about any errors that may have occurred during the installation, refer to the SBI\_Analytics\_Cognos\_8\_BI\_Content\_PreInstallSI.log file in the <BI\_COGNOS8\_HOME> directory.

---

## Chapter 11. Deploy IBM Sterling Business Intelligence

### About this task

To deploy Sterling Business Intelligence, perform the following steps:

### Procedure

1. "Deploy the IBM Sterling Business Intelligence Application"
2. "Set Up the IBM Sterling Business Intelligence Authentication Mechanism" on page 32
3. "Setting Up Access to IBM Cognos Administration and Reporting" on page 32
4. "Configure the IBM Cognos 8 Business Intelligence Server" on page 36
5. "Setup for Accessing the IBM Cognos 8 Business Intelligence Server from the IBM Sterling Business Intelligence Application" on page 37
6. "Set Up Environment for IBM Cognos Analytic Applications" on page 37
7. "Configure the IBM Cognos 8 Analytic Applications" on page 38
8. "Deploy Analytics Content" on page 38
9. "Deploy the Dashboard Reports to Content Store" on page 42

---

## Deploy the IBM Sterling Business Intelligence Application

### About this task

Perform the following steps in the Sterling Transaction System (server 1) in which the Sterling Business Intelligence Application is installed.

### Procedure

1. To create an application EAR file, run the following command from the <INSTALL\_DIR>/bin directory:

- For Linux or UNIX:

```
./buildear.sh -Dappserver=jboss -Dwarfiles=smcfs,sma,svc,sbi  
-Dearfile=smcfs.ear create-ear
```

- For Windows:

```
./buildear.cmd -Dappserver=jboss -Dwarfiles=smcfs,sma,svc,sbi  
-Dearfile=smcfs.ear create-ear
```

Here, the value of Dappserver depends upon the application server. For JBoss, pass jboss in this parameter. For BEA WebLogic, pass weblogic and for IBM WebSphere, pass websphere.

Running this command includes the sbi.war file into the smcfs.ear file.

2. To create the documentation EAR file, run the following command from the <INSTALL\_DIR>/bin directory:

- For Linux or UNIX:

```
./buildear.sh -Dappserver=jboss -Dwarfiles=smcfsdocs  
-Dearfile=smcfsdocs.ear create-doc-ear
```

- For Windows:

```
./buildear.cmd -Dappserver=jboss -Dwarfiles=smcfsdocs  
-Dearfile=smcfsdocs.ear create-doc-ear
```

Here, the value of Dappserver depends upon the application server. For JBoss, pass jboss in this parameter. For BEA WebLogic, pass weblogic and for IBM WebSphere, pass websphere.

For more information about deploying the WAR and EAR files, refer to the *Selling and Fulfillment Foundation: Installation Guide*.

---

## Set Up the IBM Sterling Business Intelligence Authentication Mechanism

### Before you begin

Prior to setting up the Sterling Business Intelligence Authentication Mechanism, perform the following tasks:

1. Copy the <BI\_COGNOS8\_HOME>/lib/sscap-auth.jar file to the <Cognos 8 Installation Directory>/c8/webapp/p2pd/WEB-INF/lib folder into the machine in which Cognos 8 server has been installed.
2. Copy the <BI\_COGNOS8\_HOME>/analytics.properties.sample file to the <Cognos 8 Installation Directory>/webapps/p2pd/WEB-INF/classes folder.
3. Save the <Cognos 8 Installation Directory>/webapps/p2pd/WEB-INF/classes/analytics.properties.sample file as analytics.properties in the same folder.
4. Change the value of the sscap.app.url property to point to the Sterling Selling and Fulfillment Foundation URL:  
sscap.app.url=http://hostname:port/smcfs

### About this task

To set up the Sterling Business Intelligence Authentication Mechanism, perform the following tasks:

### Procedure

1. Launch IBM Cognos Configuration.
2. Click Security > Authentication> Cognos.
3. Select False from the Allow anonymous access drop-down list.
4. Add a new resource namespace, smcfs, of the type Custom Java Provider.
5. Select Security > Authentication.
6. Right-click and select New Resource > Namespace and enter the namespace ID smcfs.
7. In the Resource Properties panel, enter com.yantra.authenticator.YantraAuthentication as the Java class name.
8. Restart IBM Cognos Configuration.

---

## Setting Up Access to IBM Cognos Administration and Reporting

To help increase the security of your business systems and data with Sterling Business Intelligence, you can be selective in assigning access to the IBM Cognos administrative functions, reports, folders, and packages. Use the Sterling Business Intelligence Administrator platform resource to assign these permissions.

To set up access to IBM Cognos Administration and Reporting, perform the following tasks:

- Control access to IBM Cognos Administration

- Control access to IBM Cognos Reports, Folders, and Packages

## Control Access to IBM Cognos Administration

To limit user access to the IBM Cognos administrative functions you must grant the necessary permissions to the Sterling Business Intelligence Administrator resource in Sterling Business Intelligence.

### Before you begin

**Note:** Before performing the task of assigning permissions, ensure that you have created the corresponding security groups in the Applications Manager.

### Procedure

1. Launch Applications Manager.
2. Select Application > Platform.
3. From the Application Rules Side panel, select Security > Groups.  
The Groups screen is displayed in the work area.
4. Select the group to which you want to provide the Sterling Business Intelligence Administrator resource permission.
5. From the Permissions screen, select Application > Sterling Business Intelligence > Entities > Business Intelligence Admin.
6. Right click and select Grant Permissions.
7. Click Save.

### Editing the System Administrator Role in IBM Cognos

To limit access to the IBM Cognos administration functionality, modify the System Administrator role. You can complete this task after you set the necessary access to Cognos administration.

When a user launches IBM Cognos Connection through the Console, all the user groups to which the corresponding user belongs are displayed. If the user has permission to access the Business Intelligence Administrator, the user is able to view all the groups defined in the database, and an additional group called smcfs/SYSTEM. Otherwise, the user can view only the groups to which the user belongs.

By default, all the users have administrative capabilities because the Everyone group (which includes all the users) is included under the System Administrator role.

### Add the smcfs/SYSTEM Group

When you grant BI Admin rights to a user in the Applications Manager, a new group called SYSTEM is displayed in the user's list of groups under the smcfs namespace.

### About this task

To add the smcfs/SYSTEM group to the System Administrator role, perform the following tasks:

### Procedure

1. Start your Web browser and enter the URL of your Cognos 8 application (the default is <http://localhost/cognos8>).

- The Home page is displayed.
2. In the Cognos Administration screen, click Administer Cognos.
  3. Click the Security tab.
  4. Locate smcfs in the list of roles, and click it.
  5. Locate SYSTEM in the list, and click Set Properties in the Action column.  
The Set Properties - SYSTEM screen is displayed.
  6. Click the Permissions tab.
  7. Select the Override the access permissions acquired from the parent entry check box.
  8. Click Add.  
The Select Entries (Navigate) - System screen is displayed.
  9. Click the smcfs **namespace**.  
The Select Entries (Navigate) - System screen is displayed.
  10. In Available Entries, select the System check box, and click the arrow to move it to the Selected Entries list.
  11. Click OK.

### **Remove the Everyone Group from the Sys Admin Role**

After adding the smcfs/SYSTEM group to the System Administrator role, remove the Everyone group from the System Administrator role.

#### **About this task**

To remove the Everyone group from the System Administrator role, perform the following steps:

#### **Procedure**

1. Start your Web browser and enter the URL of your IBM Cognos 8 application (the default is `http://localhost/cognos8`).  
The Home page is displayed.
2. In the IBM Cognos Administration screen, click Administer IBM Cognos content.
3. Click Security tab.
4. Locate smcfs in the list of roles, and click smcfs.
5. Locate SYSTEM in the list, and click Set Properties in the Action column.  
The Set Properties - SYSTEM screen is displayed.
6. Click the Members tab.
7. Click Everyone and click Remove.  
Users who have permission to access the Business Intelligence Administrator will now have administrative capabilities.

## **Control Access to IBM Cognos Reports, Folders, and Packages**

To control access to IBM Cognos reports, folders, and packages through Applications Manager, perform the following tasks:

#### **Procedure**

1. Start your Web browser and enter the URL of your IBM Cognos 8 application (the default is `http://localhost/cognos8`).



- The Home page is displayed.
2. In the IBM Cognos Administration screen, click Administer IBM Cognos content.
  3. Select Security > Capabilities.
  4. Locate the entry for which you want to set access permissions.
  5. Click Set Properties in the Action column.  
The Set Properties screen is displayed.
  6. Click Permissions tab.  
You can choose to either use the permissions of the parent entry or select permissions specifically for this entry.
    - To use the permissions of the parent entry, clear the Override the access permissions acquired from the parent entry option. If you are prompted to use the parent permissions, click OK in the prompt dialog box. Click OK in the Set Properties screen.
    - To set specific access permissions for the entry, select the Override the access permissions acquired from the parent entry option.
  7. To remove an entry from the list, click the entry and click Remove.
  8. To specify a new entry for which you want to grant or deny access, click Add.
  9. Click OK.
  10. Select the smcfs namespace.  
The Select Entries screen is displayed.
  11. In Available Entries panel, select the SYSTEM check box and click the arrow to move it to the Selected Entries panel.
  12. Select the entries using one of the following methods:
    - To select from the entries list, click the appropriate namespace, and select the corresponding users, groups, or roles.
    - To enter new names, click Type and type the names of the groups, roles, or users in the Entries field. Separate multiple entries with a semicolon (;), for example, smcfs/SYSTEM;Cognos/Everyone
  13. Click the arrow to move entries to the Selected entries panel.
  14. Click OK.  
The Set Properties screen is displayed.
  15. Click the Permissions tab.
  16. Click Add.  
The Select Entries screen is displayed.
  17. Select smcfs and click the arrow to move smcfs to the Selected Entries panel.
  18. Click OK.  
The Set Properties screen is displayed. Notice that smcfs is added to the Name column.
  19. To specify permissions for a user, group, or role, select the appropriate check box in the Name column, and then select the appropriate permission check boxes in the Grant or Deny columns. The icon next to each user, group, or role in the Permissions column represents the type of access granted or denied. Repeat this step for each user, group, and role.
  20. If you want to replace the existing permissions of the child entries with the permissions you set for this entry, in the Option section, select the Delete the access permissions of all child entries check box.

**Note:** This option appears only in the context of entries that are containers.

21. Click OK.

---

## Configure the IBM Cognos 8 Business Intelligence Server

You should apply Sterling Business Intelligence-specific styles to the Cognos 8 Business Intelligence reports, and add the system.xml definition to enable the relevant toolbar actions for the reports.

### About this task

To apply Sterling Business Intelligence-specific styles to reports, perform the following tasks:

**Note:** It is recommended that you take a back up of the existing reportstudio\_en.xml and GlobalReportStyles.css files.

### Procedure

1. Edit the GlobalReportStyles.css file under `<c8_installation>\c8\bin, <c8_installation>\c8\reportstyles, <c8_installation>\c8\webcontent\reportstyles, and <c8_installation>\c8\webcontent\schemas` to add the content of `<BI_COGNOS8_HOME>\rs-export\Style_Sheet\SBIReportStyles.css` at the end.
2. Edit the reportstudio\_en.xml file under `<c8_installation>\c8\msgsdk and <c8_installation>\c8\webcontent\pat\res` to add the content of `<BI_COGNOS8_HOME>\rs-xport\Style_Sheet\SBI_reportstudio_en_sample.xml` at the end, just before the `</section>` tag. You must add only the content between the comment tags `<!-- SBI STARTS -->` & `<!-- SBI ENDS -->`

**Note:** To localize the Global Class Extensions in the Cognos Report Studio, you must use the contents in the SBI\_report\_Studio\_en.xml file. Localize the contents in the required language, and copy the contents into the reportstudio\_<language>.xml file. For example, if you want to view the Global Class Extensions in the Cognos Report Studio in French, localize the contents of SBI\_report\_Studio\_en.xml in French and copy the contents into the reportstudio\_fr.xml

3. Add the blue-top.png image file taken from `<BI_COGNOS8_HOME>\rs-export\Style_Sheet`, and copy the blue-top.png file into `<c8 intallation>\c8\webcontent\samples\images`.
4. Ensure that the `<c8 intallation>\c8\webcontent\samples\images` directory has been created and the appropriate permissions granted to users read from this directory.
5. Add the following lines to system.xml under `<cognos install location>\c8 emplates\ps\portal\` and `<cognos install location>\c8 emplates\ps\`. If you have not defined the ui\_hide parameter in system.xml, add the instructions provided here. If you have already defined the ui\_hide parameter, add only those line items that are not defined.

```
<param name="ui_hide">
<RV_HEADER/>
<RV_TOOLBAR_BUTTONS_DOWNLOAD/>
<RV_TOOLBAR_BUTTONS_SAVE/>
<RV_TOOLBAR_BUTTONS_SAVEAS/>
<RV_TOOLBAR_BUTTONS_SEND/>
<RV_TOOLBAR_BUTTONS_RUN/>
<RV_TOOLBAR_BUTTONS_XLS/>
```

```
<RV_TOOLBAR_BUTTONS_XLS_CSV/>
<RV_TOOLBAR_BUTTONS_XML/>
<RV_TOOLBAR_BUTTONS_XLS_SPREADSHEETML/>
<RV_TOOLBAR_BUTTONS_XLS_XLWA/>
<RV_TOOLBAR_BUTTONS_XLS_XLS/>
<RV_TOOLBAR_BUTTONS_XLS_SINGLEXLS/>
<RV_TOOLBAR_BUTTONS_DRILLDOWN/>
<RV_TOOLBAR_BUTTONS_DRILLUP/>
<RV_TOOLBAR_BUTTONS_GOTO/>
<RV_TOOLBAR_BUTTONS_ADD_THIS_REPORT/>
<RV_TOOLBAR_BUTTONS_ADD_TO_MY_BOOKMARKS/>
<RV_TOOLBAR_BUTTONS_ADD_TO_MY_FOLDERS/>
<RV_TOOLBAR_BUTTONS_KEEP_THIS_VERSION/>
```

---

## Setup for Accessing the IBM Cognos 8 Business Intelligence Server from the IBM Sterling Business Intelligence Application

### About this task

To launch Cognos 8 Business Intelligence Server from Sterling Business Intelligence, you must configure the `analytics.reportnet.url` property in the `<INSTALL_DIR>/properties/customer_overrides.properties` file.

The Cognos 8 Business Intelligence Server URL format is:

```
http://<machinename>/cognos8/cgi-bin/cognos.cgi
```

**Note:** In this URL, replace `<machinename>` with the machine name or the IP address of the Cognos 8 Business Intelligence Server installation machine. Also, if you have changed the reference URL for Cognos using the Cognos Configurator, replace `cognos8` with the correct path.

For additional information about modifying properties and the `customer_overrides.properties` file, refer to the *Selling and Fulfillment Foundation: Installation Guide*.

You must also configure the `analytics.namespace` property in the `<INSTALL_DIR>/properties/customer_overrides.properties` file. This property indicates the namespace that is to be configured to authenticate users in Cognos 8 Business Intelligence.

---

## Set Up Environment for IBM Cognos Analytic Applications

To set up the environment for the Cognos 8 Analytic Applications, perform the following steps:

1. Set up the Content Store (on server 7).
2. Set up database connectivity for the Content Store (from server 4).
3. Configure the Web server (involves setting up virtual directories on server 4).
4. Set up data sources (from IBM Cognos Connection on server 4). Ensure that you create the following data sources in the Cognos 8 Business Intelligence server:
  - Sterling Staging Data Source: This data source is mapped to the staging schema.
  - Sterling Data Source: This data source is mapped to the Sterling Data Mart database schema.

**Note:** In a distributed installation, you must ensure that the Connect String provided in the data source connection is the same in all the database clients.

For more information about setting up the environment for the Cognos 8 Analytic Applications, refer to the Cognos 8 Analytic Applications Installation and Configuration Guide and for data source connections, refer to the Cognos 8 Analytic Applications Installation and Configuration Guide and the Cognos 8 Analytic Applications Adaptive Warehouse User Guide that is shipped along with the Sterling Business Intelligence Adaptive Applications Framework component.

---

## Configure the IBM Cognos 8 Analytic Applications

You must configure the Cognos 8 Analytic Applications to make it work in your Cognos environment.

Ensure that the cryptographic settings are completed. If you have a distributed installation, it is recommended that you set the value of the Store Symmetric Key field to False locally. For more information about changing the cryptographic settings and configuring the Cognos 8 Analytics Applications, refer to the Cognos 8 Analytics Applications Installation and Configuration Guide. This guide contains separate instructions for single-computer installation and distributed installation. Follow the appropriate configuration instructions.

---

## Deploy Analytics Content

Deploying the Analytics Content includes the following steps:

### Procedure

1. “Set Up the Adaptive Warehouse Content”
2. “Deploy the Adaptive Warehouse Content to Content Store” on page 39
3. “Set Up the Adaptive Analytics Content” on page 40
4. “Deploy the Adaptive Analytics Content to Content Store” on page 41

## Set Up the Adaptive Warehouse Content

Setting up the Adaptive Warehouse content includes setting up content for the warehouse schema.

### About this task

To set up the Adaptive Warehouse content for the Data Mart warehouse schema, perform the following steps:

### Procedure

1. Launch the Cognos Adaptive Warehouse application from the Cognos AAF Development server (installed on server 5, as described in the topic Chapter 4, “Understanding the IBM Sterling Business Intelligence Ecosystem,” on page 7.
2. Create a new project in Adaptive Warehouse. To create a new project in Adaptive Warehouse, you must first create a data source connection that refers to the data mart database. It is recommended that the data source connection be named Sterling Data Source and it refers to the data mart schema. For more information about creating a project in Adaptive Warehouse, refer to the Cognos 8 Analytic Applications Adaptive Warehouse User Guide.
3. From the Actions menu of the Adaptive Warehouse application, select Import from Content Library.

4. Click Browse, and select the library index file that you want to import from. This file is available in the directory in which the Adaptive Warehouse content is installed, and has a .pwi extension, for example, /<AC\_INSTALL\_DIR>/aw-export/sterling data source export/sterling data source export.pwi.
5. Click Open.
6. Click Next.
7. In the Conflict Resolution screen, select the conflict resolution that you want to apply. By default, Full Upgrade is selected. For more details about conflict resolution strategy, refer to the Cognos 8 Analytic Applications Adaptive Warehouse User Guide.
8. Click Next.  
The details of the objects that you are importing are displayed.
9. Click Finish to run the import.
10. In the Data Source Mapping dialog box, select the Cognos 8 Content Manager Data Sources corresponding to Sterling Staging Data Source.  
Note: The Sterling Staging data source should point to the Sterling Staging Database schema, (installed on server 3, as described in the topic Chapter 4, "Understanding the IBM Sterling Business Intelligence Ecosystem," on page 7.
11. Click OK.  
A pop-up window is displayed with warning messages. You can ignore the warning messages pertaining to Common Code Union Source, SO Actual Confirmed Union, Category Union, and Orphan Data.
12. Click OK.  
The Validation Results screen is displayed.
13. Click Close.
14. Click OK.
15. From the Actions menu, select Synchronize Target Metadata.
16. From the File menu, select Save to save the project.

## Results

For more information about working with projects in Adaptive Warehouse, refer to the *Cognos 8 Analytic Applications Adaptive Warehouse User Guide*.

## Deploy the Adaptive Warehouse Content to Content Store

### About this task

Deploying the Adaptive Warehouse content includes deploying content for the Data Mart warehouse schema.

To deploy the Adaptive Warehouse content for the Data Mart warehouse schema to the Content Store, perform the following steps:

### Procedure

1. Open the Sterling Data Source project.
2. Click the Target button to navigate to the target model.
3. Click Packages.

The following packages are displayed:

- Sterling Data Source
- Sterling Data Source Source

4. Select the Sterling Data Source package.
5. From the Actions menu, navigate to Package > Publish Packages.  
The Publish Wizard-Select Location Type screen is displayed.
6. In the Publish Wizard-Select Location Type screen, make a choice about whether to publish the package to Cognos 8 Content Store or to a network location.
  - To enable model versioning when publishing to the Cognos 8 Content Store, select the Enable model versioning check box and enter the number of model versions pertaining to the packages that are to be retained.  
  
**Note:** To delete all but the most recently published version of the model on the server, select the Delete all previous model versions check box.
  - To validate your warehouse model prior to publishing, clear the Verify the package before publishing check box.  
  
**Note:** It is recommended that you retain the default selection in order to ensure that the package is complete, and does not contain any errors.
7. Click Next.  
The Add Security screen is displayed.
8. Click Next.  
The Publish Wizard-Options screen is displayed.
9. Click Publish.
10. Click Finish.  
A warning message is displayed in the Verify Model screen, indicating that the package contains orphan dimensions. You can ignore the message.  
To publish the Sterling Data Source Source package, select the Sterling Data Source Source package and repeat steps 4 to 9.
11. Click Close.

## Set Up the Adaptive Analytics Content

### About this task

You must import business content from a content library into a project to take advantage of the content included in Adaptive Analytics. The content library contains information packages, metric types, hierarchies, operational report specifications, and global data pertaining to the Adaptive Analytics application.

To set up the Adaptive Analytics content, perform the following steps:

### Procedure

1. Launch the Cognos Adaptive Analytics application.
2. Create a new project by selecting a data source connection that references the data mart Adaptive Warehouse model. It is recommended that you specify the project name as Sterling Analytics. For more information about creating a new project, refer to the Cognos 8 Analytic Applications Adaptive Analytics User Guide.
3. From the Actions menu, select Import from Content Library.
4. Click Browse, navigate to the location where the Analytics Content is installed, and select the library index file (.aai) that contains the Adaptive Analytics content, for example, /<AC\_INSTALL\_DIR>/aa-export/Export.aai that is necessary for the reports that you want to create.

5. Click Open.  
The Import screen is displayed. By default, all the objects are selected.
6. Click OK.  
A pop-up window is displayed with messages that state: "Warning: Unable to find a time hierarchy". You can ignore these messages.
7. Click Proceed.
8. From the File menu, select Save to save the project.
9. From the Actions menu, select Assignment Editor to assign a user or user group from the smcfs namespace to the Sterling Analytics Package.

## Results

For more information about assigning a user to the information package, refer to the Cognos 8 Analytic Applications Adaptive Analytics User Guide.

## Deploy the Adaptive Analytics Content to Content Store

To deploy the Adaptive Analytics content to Content Store, you must create a deployment archive in Adaptive Analytics. To create a deployment archive, perform these steps:

### Procedure

1. From the Actions menu in the IBM Cognos Adaptive Analytics application, select Generate Deployment Archive.
2. In the **Save As** dialog box, navigate to any local folder where you want to save this archive file.
3. In the File Name box, enter a name for the archive.
4. Click Save.  
A message is displayed in the Validate Object screen.
5. Click Close.
6. Copy the generated deployment archive from the local folder that you specified in Step 2 to the <COGNOS\_HOME>/c8/deployment folder.

**Note:** If the Cognos 8 BI server and the AAF is not installed on the same machine, then you have to copy the deployment archive to the <COGNOS\_HOME>/c8/deployment folder on the Cognos 8 BI server machine.

## Results

The deployment archive is created, and you can now publish your reports in Cognos Connection.

For more information about publishing your reports in IBM Cognos Connection, refer to the Cognos 8 Analytic Applications Adaptive Analytics User Guide.

**Note:** You cannot view data in the reports until the data is loaded into the datamart. For more information about loading data into the datamart and setting up load management, refer to the *Sterling Business Intelligence: Implementation Guide*.

---

## Deploy the Dashboard Reports to Content Store

### About this task

**Note:** Dashboards.zip should be imported to content store only after importing Adaptive Analytics Deployment Archive.

To deploy the dashboards to Content Store, perform the following steps:

### Procedure

1. Copy the <BI\_COGNOS8\_HOME>/Dashboards.zip file to the <COGNOS\_HOME>/c8/deployment folder.
2. Launch Cognos Connection
3. Import the Dashboards.zip file to Content Store.

For more information about importing the deployment archive to Content Store, refer to the Cognos 8 Administration and Security Guide.



---

## Chapter 12. Verify the IBM Sterling Business Intelligence Installation

To verify the Sterling Business Intelligence installation, you must launch the Sterling Business Intelligence application, launch the reports, and perform load management.

### About this task

**Note:** It is assumed that all the services and servers have been restarted after the execution of configuration-related tasks.

To launch Sterling Business Intelligence, perform these steps:

### Procedure

1. Open a browser and type the corresponding URL in the address bar, for example, `http://<hostname>:<port>/sbi/bi/launch.jsp`
2. Click Go.  
The Sterling Business Intelligence Login page is displayed.
3. Enter a valid Login ID and Password.
4. Click Sign In.  
The Sterling Business Intelligence application home page is displayed.

**Note:** The Sterling Business Intelligence application screens have been designed for 1024x768 resolution. For better viewing experience, change the display resolution accordingly.

---

## Launch the IBM Sterling Business Intelligence Report

### Before you begin

To launch a Sterling Business Intelligence report, perform these steps:

### Procedure

1. Launch the Sterling Business Intelligence application.  
The Sterling Business Intelligence application home page is displayed.
2. From the Order menu, select the report you want to view.  
The corresponding report is displayed.

### Results

After the verification is completed, you must load data into the data mart database. Prior to starting the load management activities, ensure that all servers are time synched using services like Network Time Protocol (NTP) to a single clock source. In case the Platform considerations do not allow for time synching, the IBM Cognos server should run one minute slower than the OLTP server. For more information about load management, refer to the *Sterling Business Intelligence: Implementation Guide*.



---

## Chapter 13. Installing IBM Sterling Business Intelligence Language Pack

Before installing the Sterling Business Intelligence language pack, ensure that you have successfully installed Sterling Selling and Fulfillment Foundation, Release 9.1.

Language packs are compressed files that are compatible with the UNIX, Linux, and Windows operating systems. Ensure that you install the Sterling Selling and Fulfillment Foundation language pack, before you install the Sterling Business Intelligence language pack. For more information about installing the Sterling Selling and Fulfillment Foundation language pack, refer to the *Selling and Fulfillment Foundation: Installation Guide*.

---

### Install the Language Pack for IBM Sterling Business Intelligence Dashboard Literals

#### About this task

To install and localize the language pack for dashboard literals, perform the following tasks:

#### Procedure

1. Extract the SBI-Analytics9.1\_<language>\_<locale>.zip file from the language pack CD to the <BI\_COGNOS8\_HOME> directory. Ensure that the sbianalyticsbundle\_<language>\_<locale>.properties file exists in <BI\_COGNOS8\_HOME>/resources/ directory.
2. Ensure that the environment variables BI\_RT and BI\_COGNOS8\_HOME are correctly set, For example in UNIX,  
export BI\_RT = <BI\_COGNOS8\_HOME>  
export BI\_COGNOS8\_HOME = <BI\_COGNOS8\_HOME>  
The <BI\_COGNOS8\_HOME> directory is the root directory where the Sterling Business Intelligence content for IBM Cognos 8 Business Intelligence is installed.
3. Copy the following jar files to <BI\_COGNOS8\_HOME>/lib folder from <COGNOS\_HOME>/c8/webapps/p2pd/WEB-INF/lib folder.
  - axis.jar
  - axisCrnpClient.jar
  - CAM\_AAA.jar
  - CAM\_AAA\_CustomIF.jar
  - commons-discovery.jar
  - commons-logging-1.0.4.jar
  - dom4j.jar
  - jaxrpc.jar
  - saaj.jar
  - soap.jar
  - xalan.jar
  - xercesImpl.jar

- xml-apis.jar
4. Ensure that you have disabled the Cognos 8 Business Intelligence authentication.
  5. To localize the dashboard literals in the <BI\_COGNOS8\_HOME> folder, copy execute the following command from the <BI\_COGNOS8\_HOME>/bin folder: `ant -f sbilocalizer.xml import`

**Note:**

- If you have installed Sterling Business Intelligence Content for IBM Cognos 8 Business Intelligence and Sterling Business Intelligence on two different machines, you must modify the following line of the XML by replacing **localhost** with the IP address of the machine on which Sterling Business Intelligence content for Cognos 8 Business Intelligence has been installed before you execute the command:

```
<property name="cognosurl" value="http://localhost:<port>/p2pd/servlet/dispatch"/>
```

The sbilocalizer.xml command reads all the bundles in the <BI\_COGNOS8\_HOME>/resources folder. It then adds the literal translations for each locale into the dashboard definitions present in the <BI\_COGNOS8\_HOME>/reports folder. The modified dashboard definitions are copied into the <BI\_COGNOS8\_HOME>/localizedreports folder, and added into the content repository. When the dashboards are generated again, the literals are displayed according to the user's locale.

6. Ensure that you enable the Cognos 8 Business Intelligence authentication.

## Install Language Pack for IBM Cognos Adaptive Warehouse

### About this task

To install the language pack to localize the IBM Cognos Adaptive Warehouse, perform the following tasks:

### Procedure

1. Extract the SBI-Analytics9.1\_<language>\_<locale>.zip file from the language pack CD to the <AC\_INSTALL\_DIR> directory.
2. Launch the IBM Cognos Adaptive Warehouse application and click on the **Target** tab to open the Target view.
3. From **Project** menu, navigate to **Languages > Define Languages**. The Define Languages window is displayed.
4. From the Available Languages list, select each language that you want to add and click the arrow button to move it to the **Project languages** box and click **OK**.
5. From the **Project** menu, navigate to **Languages > Import Translation File**. The Import Translation File window is displayed.
6. From the Project Languages list, select the required project language.
7. Select the <AC\_INSTALL\_DIR>\resources\sbiawbundle\_<languagecode>\_<localecode>.txt file that must be imported. Sterling Business Intelligence Analytics Content is installed in the <AC\_INSTALL\_DIR> folder.
8. Click **OK**.
9. Click **Save**.

10. In the **Target** tab, in the Project Viewer pane, click on Packages > Sterling Data Source.
11. In Properties window click on **Language**, Languages window is displayed.
12. In the Languages window, select the language that you want to add from the Available Languages list and click the arrow button to move it to the Project languages box. Click **OK**.
13. Click **Save**.
14. Publish the Sterling Data Source Package.

---

## Install Language Pack for IBM Cognos Adaptive Analytics

### Before you begin

Before installing the applications language pack, ensure that you have installed the Sterling Selling and Fulfillment Foundation language pack. For more information about installing the Sterling Selling and Fulfillment Foundation language pack, refer to the *Selling and Fulfillment Foundation: Installation Guide*.

### About this task

To install the language pack to localize the IBM Cognos Adaptive Analytics, perform the following tasks:

### Procedure

1. Extract the SBI-Analytics9.1\_<language>\_<locale>.zip file from the language pack CD to the <AC\_INSTALL\_DIR> directory.
2. Launch the IBM Cognos Adaptive Analytics application and open the project that you want to localize.
3. From **Project** menu, navigate to **Languages > Define Languages**. The Define Languages window is displayed.
4. From the Available Languages list, select each language that you want to add and click the arrow button to move it to the **Project languages** box and click **OK**.
5. From the **Project** menu, navigate to **Languages > Import Translation File**. The Import Translation File window is displayed.
6. From the Project Languages list, select the required project language.
7. Sterling Business Intelligence Analytics Content is installed in the <AC\_INSTALL\_DIR> folder. Select the following file to be imported:
  - For Latin languages,  
<AC\_INSTALL\_DIR>\resources\  
sbiaabundle\_<languagecode>\_<localecode>.csv
  - For multibyte languages,  
<AC\_INSTALL\_DIR>\resources\  
sbiaabundle\_<languagecode>\_<localecode>.txt
8. Click **OK**.
9. Click **Save**.
10. From the **Actions** menu, select **Generate Deployment Archive**. The Save As window is displayed
11. In the **File name** box, enter a name for the archive.
12. Click **Save**. The Validate Object dialog box is displayed.

13. Click **Close**. The deployment archive is created. You can now publish your reports in IBM Cognos Connection. For more information about publishing your reports in IBM Cognos Connection, refer to the *IBM Cognos 8 Analytic Applications Adaptive Analytics User Guide*.

---

## Install the Language Pack for IBM Sterling Business Intelligence

### About this task

To install the Sterling Business Intelligence language pack, perform the following steps.

### Procedure

1. Extract the SBI9.1\_<language>\_<locale>.zip file from the language pack CD to the <INSTALL\_DIR> directory.
2. Install the documentation help language pack by running the following script from <INSTALL\_DIR>/bin:
  - For Linux or Unix:

```
./sci_ant.sh -f csHelpUtil.xml -DlocaleCode=<LOCALE_CODE>
```
  - For Windows:

```
./sci_ant.cmd -f csHelpUtil.xml -DlocaleCode=<LOCALE_CODE>
```
3. Include the following property in the customer\_overrides.properties file:
  - For Linux or Unix:

```
yfs.yfs.onlinehelp.path.overrideforlocale.<LOCALE_CODE>=/smcfsdocs/yfscommon/online_help/<LOCALE_CODE>
```
  - For Windows:

```
yfs.yfs.onlinehelp.path.overrideforlocale.<LOCALE_CODE>=\smcfsdocs\yfscommon\online_help\<LOCALE_CODE>
```

Here, <LOCALE\_CODE> refers to [language\_code]\_[country\_code]. For more information about using the customer\_overrides.properties file, refer to the *Selling and Fulfillment Foundation: Properties Guide*. For example, on Linux or Unix:

German locale: `yfs.yfs.onlinehelp.path.overrideforlocale.de_DE=/smcfsdocs/yfscommon/online_help/de_DE`

French locale: `yfs.yfs.onlinehelp.path.overrideforlocale.fr_FR=/smcfsdocs/yfscommon/online_help/fr_FR`

4. Ensure that you re-create the resource JAR file and the EAR file.

---

## Localize IBM Sterling Business Intelligence Reports and Dashboard Data

You can localize the data in the Sterling Business Intelligence reports and dashboards using the IBM Cognos Adaptive Warehouse application. All the data present in a dashboard that describing an entity, for example, Category Description, Region Description, Buyer Description and so on, are localized in the data warehouse database. The data warehouse database contains localized data from the YFS\_LOCALIZED\_STRINGS table, which is transformed and added as additional columns.

## Before you begin

**Note:** Before you start the data localization process, the database factory default values must be localized. For more information about localization for multilingual installation, refer to the *Selling and Fulfillment Foundation: Localization Guide*.

## About this task

To localize the data in the Sterling Business Intelligence reports and dashboards, perform the following tasks:

### Procedure

1. Launch the IBM Cognos Adaptive Warehouse application. By default, the application opens in the Warehouse view.
2. From the **Actions** menu, select Edit Data languages.  
The Specify Project Languages pop-up window is displayed.
3. Click **Add**.
4. Enter the New Languages and Language code.
5. Click **OK**.
6. Click **Synchronize Target Metadata**.
7. Click **Save** and perform the load management.

For more information about performing load management, refer to the *Cognos 8 Analytic Applications Adaptive Warehouse User Guide*.

---

## Localizing the Factory Setup Data

Besides storing your transactional data, the database also stores configuration data, such as error codes. This means that the database may need to store values in a language-specific format. If these database literals are not localized, screen literals are displayed inconsistently, with some being displayed in the localized language and others being displayed in English.

To localize the factory setup data, perform the following tasks:

1. Extract the SBI9.1\_<language>\_<locale>.zip file from the language pack CD to the <INSTALL\_DIR> directory. <INSTALL\_DIR> is the directory where the Sterling Selling and Fulfillment Foundation is installed. Ensure that the file en\_US\_sbifcliterals2translate\_<language>\_<locale>.properties is present in the <INSTALL\_DIR>/installed\_data/smcfs/components/complete\_installation/factorysetup/XMLS directory.

2. Execute the following command from the <INSTALL\_DIR>/bin folder:

```
For Windows: sci_ant.cmd -f localizedstringreconciler.xml import
-Dsrc=<INSTALL_DIR>\installed_data\smcfs\components\
complete_installation\factorysetup/XMLS
-Dbasename=sbifcliterals2translate
```

```
For UNIX or Linux: sci_ant.sh -f localizedstringreconciler.xml import
-Dsrc=<INSTALL_DIR>/installed_data/smcfs/components/
complete_installation/factorysetup/XMLS
-Dbasename=sbifcliterals2translate
```





---

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