DXC.technology RISKMASTER Accelerator

Data Analytics 4.2 Installation Guide

General Overview	2
Pre-Installation Steps	4
Uninstall Data Analytics Data Services XI 3.2 Steps	5
Data Analytics on BI Server Installation	7
Data Analytics on Independent Server Installation	7
Data Analytics Information Platform Services 4.2 SP2 Install Steps Full Installation Custom/Expand Installation	7
Data Analytics Data Services 4.2 Installation Steps New Installation Upgrade Installation	
Post Installation Steps	113
To Check Central Configuration Manager	
To Check IPS Central Management Console	115
<i>To Create or Upgrade Repository</i> Create Repository Upgrade Repository	<i>117</i> 117 119
Add Repository to Information Platform Services	120
To Verify Version	125
To Resync Job Server and Repository	129
To Check Data Services Management Console	
To Disable Web Service Session Security	
To Confirm the Repository in the Data Services Management Console	
To Deploy the Web Applications Create Archive Files Install Web Archive Files Weblogic Tomcat	

General Overview

RISKMASTER Data Analytics completely automates Self-Insurance import/export extract processing. RISKMASTER Data Analytics brings together several standalone extract modules in RISKMASTER and combines them together under one umbrella. You can use the RISKMASTER Task Manager to schedule any of the extracts included in the Data Analytics system.

Data Analytics allows organizations to easily explore, extract, transform and deliver data anywhere and at any frequency. As a result you can ensure the integrity of data, maximize productivity and accelerate performance of your day to day operations. RISKMASTER Data Analytics replaces legacy VB import/export extracts with Rich BI enabled Data Integrator extracts.

The Data Analytics Installation Guide describes how to install the SAP Data Services 4.2 portion of Data Analytics for a customer.

Overview of SAP Business Object Data Services

SAP Business Objects Data Services XI 3.2 only had a single setup that was required to install all of the components i.e. SAP Business Objects Data Services XI 3.2. It consisted of following components:

SAP Business Objects Data Services XI 3.2

- Data Services Designer
- Job Server
- Data Services Management Console
- Data Services Repository Manger
- Web Application Server (Tomcat)

All the components of Data Services XI 3.2 used to connect directly to the Database.



SAP Business Objects Data Services 4.2 consists of two setups, both of which are needed to be installed. First SAP Information Platform Services 4.2 SP2 needs to be installed successfully and after that SAP Business Objects Data Services 4.2 needs to be installed.

SAP Information Platform Services 4.2 SP2 (IPS)

IPS is a compact and lightweight version of **Business Intelligence Platform.**

The new approach relies on the CMS, therefore the BI platform of IPS (Information platform services) is required (an additional part in the new architecture of Data services 4.2)

These are the BI platform services that come with the Information platform services and are new So the main differences in the architecture are the introduction and the reliance on the BI platform. **IPS** consists of following components:

- Central Management Server (CMS)
- Central configuration Manager (CCM)
- Server Intelligence Agent (SIA)
- Web Application Server (Tomcat)

SAP Business Objects Data Services 4.2 SP7 consists of following components

- Data Services Designer
- Job Server
- Data Services Management Console
- Data Services Repository Manger

Now all the components of Data Services 4.2 connect to CMS which further connects to the Database.



Pre-Installation Steps

The following pre-installation steps must be completed before continuing to the Data Services installation phase.

- 1. Review the Data Analytics Pre-Installation Checklist.
- 2. Review the Data Analytics 4.2 Technical Specifications.
- 3. Download SAP Data Services 4.2 installation files from the Data Analytics folder on the RISKMASTER ftp site.
- 4. Create a blank DA_REPOSITORY database on the Database server for new installations of Data Services. The Data Analytics server must have access to the Database server. Skip this step if the DA_REPOSITORY database already exists.
- 5. Create a blank DA_CMS database on the Database server for new installations of Data Services. The Data Analytics server must have access to the Database server or an ODBC connection for the DA_CMS database must be created on the Data Analytics server.
- 6. Create a blank DA_AUDIT database on the Database server for new installations of Data Services. The Data Analytics server must have access to the Database server or an ODBC connection for the DA_AUDIT database must be created on the Data Analytics server.
- 7. If upgrading from SAP Business Objects Data Services XI 3.2:
 - a. Backup the DA_REPOSITORY database.
 - b. Backup the DA_STAGING database.
 - c. Backup the DA_RMX_STAGING database if it exists.
 - d. Backup the following configuration files:
 - i. admin.xml located in the <install directory>\Business Objects\BusinessObjects Data Services\config directory
 - ii. sapconnections.xml located in the <install directory>\Business Objects\BusinessObjects Data Services\config directory
 - iii. as.xml located in the <install directory>\Business Objects\BusinessObjects Data Services\bin\AccessServer directory
 - iv. dsconfig.txt located in the <install directory>\Business Objects\BusinessObjects Data Services\bin directory
- 8. If upgrading from SAP BusinessObjects Data Services XI 4.2:
 - a. Backup the DA_REPOSITORY database.
 - b. Backup the DA_CMS database.
 - c. Backup the DA AUDIT database.
 - d. Backup the DA_STAGING database.
 - e. Backup the DA_RMX_STAGING database if it exists.
 - f. Backup the following configuration files:
 - i. admin.xml located in the <install directory>\Business Objects\BusinessObjects Data Services\config directory
 - ii. sapconnections.xml located in the <install directory>\Business Objects\BusinessObjects Data Services\config directory
 - iii. as.xml located in the <install directory>\Business Objects\BusinessObjects Data Services\bin\AccessServer directory
 - iv. dsconfig.txt located in the <install directory>\Business Objects\BusinessObjects Data Services\bin directory

Uninstall Data Analytics Data Services XI 3.2 Steps

Data Services 3.2 SP2 FP2 or an earlier version must be uninstalled prior to installing a newer version of the software. Follow the steps in this section to uninstall Data Services.

- 1. From the start menu, choose Settings > Control Panel.
 - The Control Panel window opens.

🚰 Control Panel	<u> </u>	
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> el	p	2
🕝 Back 👻 🕥 👻 🏂 🔎 Search 🌔 Fo	lders 🛛 😰 🏷 🗙 🌍 🛄 🗖	»
Address 🚱 Control Panel		Go
Name 🔺	Comments	
Accessibility Options	Adjust your comput	
🔍 Add Hardware	Installs and trouble	
Add or Remove Programs	Install or remove pr	
administrative Tools Configure administr		
🕙 Automatic Updates	Set up Windows to	
Date and Time	Set the date, time,	•

2. Select Add or Remove Programs from the Control Panel. The Add or Remove Programs window opens.

🐻 Add or Rem	ove Programs		_ [
	Currently installed programs: 📃 Show up <u>d</u> ates	Sort by: Name		•
C <u>h</u> ange or Remove	人 Acrobat.com	Size	1.67MB	•
Programs	a Adobe AIR			
- 🔁 -	💋 Adobe Flash Player 10 ActiveX			
Add New	😕 Adobe Reader 9	Size	204.00MB	
Programs	Reyond Compare Version 2.5.2	Size	12.76MB	
1	🏭 BusinessObjects Data Services	Size	1,239.00MB	
Add/Remove	<u>Click here for support information.</u>	Used y	occasionally	
<u>W</u> indows Components		Last Used On	3/15/2010	
Componentes	To remove this program from your computer, click Remove.		Remove	

3. Select BusinessObjects Data Services from the list of Currently Installed Programs.

🐻 Add or Ren	nove Programs			×
	Currently installed programs:	Sort by: Name	•	
C <u>h</u> ange or Remove	Acrobat.com	Size	1.67MB 📥	
Programs	a Adobe AIR			
- 1	💋 Adobe Flash Player 10 ActiveX			
Add New	📕 Adobe Reader 9	Size	204.00MB	
Programs	Seyond Compare Version 2.5.2	Size	12.76MB	
5	វਿឌ៌ BusinessObjects Data Services	Size	1,239.00MB	
Add/Remove	Click here for support information.	Used y	occasionally	
<u>W</u> indows Components		Last Used On	3/15/2010	
Components	To remove this program from your computer, click Remove.		Remove	

4. Select the Remove button.

The Add or Remove Program message window displays.

Add or Re	move Programs 🔀
?	Are you sure you want to remove BusinessObjects Data Services from your computer?
	<u>Y</u> es <u>N</u> o

5. Select the Yes button to remove BusinessObjects Data Services from the computer. The BusinessObjects Data Services window displays.



6. The BusinessObjects Data Services window will close when the removal is complete.

Data Analytics on BI Server Installation

Data Analytics and Business Analytics can continue to be installed on the same server with SAP Data Services 4.2. Follow the steps below to install Data Analytics on the BI server.

- 1. Install SAP Business Intelligence 4.1SP7/4.2 following the Business Analytics 4.1/4.2 Pre-Installation Checklist and Installation Guide.
- 2. The Information Platform Services 4.2 SP2 (IPS) installation and components are included in the Business Intelligence 4.2 installation. The IPS is not required for installing Data Services 4.2 on the same server as BI.
- 3. Follow DA install steps in the <u>Data Analytics Data Services 4.2 Installation Steps</u> section of this document.

Data Analytics on Independent Server Installation

Installing Data Analytics on a server independent of Business Analytics (BI) requires the installation of the SAP Information Platform Services (IPS) and Data Services on the Data Analytics server. Follow the instructions in this section to install IPS and Data Services.

Data Analytics Information Platform Services 4.2 SP2 Install Steps

Follow the instructions below to install SAP Information Platform Services 4.2 SP2. IPS must be installed prior to installing Data Services 4.2.

1. Extract the installation file named SAP Information Platform Service 4.2 SP02 Windows 64B_ 51050852.zip to the Data Analytics server.

Files must be downloaded as part of the Pre-Installation step.

 Double click InstallIPS.exe in the SAP Information Platform Service 4.2 SP02 Windows 64B_ 51050852\DATA_UNITS\IPS_win directory.

퉬 Collaterals	File folder					4/7/2016 8:02 PM
퉬 dunit	File folder					4/7/2016 8:05 PM
퉬 langs	File folder					4/7/2016 8:07 PM
퉬 setup.engine	File folder					4/7/2016 8:07 PM
📰 autorun	Setup Information	1 KB	No	1 KB	35%	3/1/2016 7:01 AM
💷 InstallIPS	Application	8 KB	No	14 KB	46%	4/6/2016 6:22 PM
PRODLABEL	File	1 KB	No	1 KB	0%	4/7/2016 8:07 PM
Productld	Text Document	1 KB	No	1 KB	0%	3/1/2016 7:01 AM
🐑 response	Configuration settings	2 KB	No	3 KB	59%	3/1/2016 7:01 AM
💷 setup	Application	114 KB	No	275 KB	59%	3/1/2016 7:01 AM
🗊 setup	Configuration settings	1 KB	No	1 KB	0%	3/1/2016 7:01 AM
SIGNATURE.SMF	SMF File	484 KB	No	1,612 KB	71%	4/8/2016 11:55 PM

The Microsoft Windows installer starts to analyze the setup and the Information Platform Services 4.2 SP2 Setup window opens.

Information platform set	rvices 4.2 SP2 setup
Select setup language.	
English	▼

3. The language setting is used by the installation program to display information in the language of your choice.

Select the Language and select the OK button. The Check Prerequisites window opens.

Information platform sen	vices 4.2 Sl	P2 setup 🗕 🗖	x
Check Prerequisites			
Summary of any missing critical or optional prerequisi	tes.		
Failed critical dependencies must be addressed befor optional dependencies might result in some componer	e the installati nts not installir	on can continue, while faile ng.	:d
Prerequisite	Туре	Status	^
SAP BusinessObjects BI platform or SAP Crys	Critical	Succeeded	
👽 Information Steward and Data Services com	Optional	Succeeded	
SAP Crystal Reports Server cannot be installed	Critical	Succeeded	
Windows Installer Service	Critical	Succeeded	≡
Administrative rights	Critical	Succeeded	
Information platform services 4.x cannot alr	Critical	Succeeded	
Wicrosoft .NET Framework 3.5 or higher	Optional	Succeeded	
Suppressed reboot	Critical	Succeeded	
Windows version	Critical	Succeeded	$\overline{}$
f a prerequisite failed, please click on the failed item	for informatio	n on how to resolve it.	
Back		lext Cancel	

4. All failed prerequisite requirements must be addressed before the Information Platform Services installation will continue. The Next button will enable when the Status for all prerequisites are successful.

Select the Next button. The Information Platform Services 4.2 SP2 Setup window opens.



5. Select the Next button.

The License Agreement window opens.

Information platform services 4.2 SP2 setup 💻 💻	x
License Agreement	
You must agree to the licensing conditions to proceed.	
SOFTWARE LICENSE AGREEMENT	^
IMPORTANT-READ CAREFULLY : THIS IS A LEGAL AGREEMENT BETWEEN YOU AND SAP FOR THE SAP SOFTWARE ACCOMPANYING THIS AGREEMENT, WHICH MAY INCLUDE COMPUTER SOFTWARE, ASSOCIATED MEDIA, PRINTED MATERIALS AND ONLINE OR ELECTRONIC DOCUMENTATION ("SOFTWARE"). BEFORE CONTINUING WITH THE INSTALLATION OF THE SOFTWARE, YOU MUST READ, ACKNOWLEDGE AND ACCEPT THE TERMS AND CONDITIONS OF THE SOFTWARE LICENSE AGREEMENT THAT FOLLOWS ("AGREEMENT"). IF YOU DO NOT ACCEPT THE TERMS AND CONDITIONS OF THE AGREEMENT, YOU MAY RETURN, WITHIN THIRTY (30) DAYS OF PURCHASE, THE SOFTWARE TO THE PLACE YOU OBTAINED IT FOR A FULL REFUND.	
GRANT OF LICENSE. SAP grants you a nonexclusive and limited license to use the Software products and functionalities for which you have paid the applicable fees solely for your internal business purposes and in accordance with the terms and conditions of this Agreement. The Software is licensed, not sold, to you. If you acquired this product as a special offer, as a promotional license included with another SAP product, or bundled or lin combination with a third party product additional restrictions apply as set forth in the	~
I accept the License Agreement	
C I do not accept the License Agreement	
Back Next Cancel	

6. Review the License Agreement and select the 'I accept the License Agreement' option to continue the setup.

Select the Next button.

The Configure Product Registration window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Configure Product Registration
Enter the Information platform services 4.2 product key.
Product Key Information
Product Key:
Back Next Cancel

7. Use the Auto populated Product Key and Select the Next button.

The Select Language Packages window opens.

Information platform services 4.2 SP2 setup 💻 😐	x
Select Language Packages	
Select all additional Language Packages that the users will interact with in the product.	
Arabic Czech Danish Dutch Finnish Finnish German Hebrew Hungarian Italian Japanese Korean Norwegian Polish Portuguese Romanian	
Back Next Cancel	

8. Select the appropriate language(s) to install. Select the All Languages checkbox when all languages need to be installed.

Select the Next button. The Install Type window opens.

Informati	on platform services 4.2 SP2 setup 💻 😐 🗙
Select Install Type	
Select the type of installation.	
• Full	Install a complete Information platform services system
C Custom / Expand	Choose the application features you want to install, or add servers to an existing Information platform services system
⊂ Web Tier	Install only the Web Tier features
	Back Next Cancel

9. Select the Full option to install all required server components onto a single machine. Use this option to create a single-host deployment.

Note: The Full install option must be selected when Tomcat needs to be installed as part of the installation.

Select the Custom/Expand option to select individual components to be installed. Use this option when distributing server components between more than one host, such as creating a CMS cluster. Also Use this option to install web application container server if tomcat is not to be used.

Note: The Custom/Expand option must be selected when a Java web application server other than Tomcat is already installed or when Tomcat is already installed. Use this option for a WebLogic installation.

Select the Web Tier option to install only web Tier features. Use the Web Tier option to install Java web applications onto a dedicated Java web application server.

Note: The Web Tier option installation is not covered in this document. Please contact DXC to schedule a meeting to discuss a Web Tier only installation.

Select the Next button. The Configure Destination Folder window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Configure Destination Folder
Enter the full destination path where the product will be installed.
Destination Folder Information
C:\Program Files (x86)\SAP BusinessObjects\ Browse Browse
Back Next Cancel

10. In the Destination Folder field, enter the destination directory where you want to install the BO Data services or select the Browse button to navigate to the destination directory location.

The Destination Folder Information defaults when SAP BusinessObjects products are already installed.

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

Ensure the destination folder is not set to the same folder in which the installation program has been extracted.

Select the Next button.

Follow the Full Installation section if the Full installation option was selected.

Follow the Custom/Expand Installation section if the Custom/Expand option was selected.

Full Installation

The Full Installation will install a complete Information Platform Services system including the Tomcat Java Web Application Server. Follow the instructions below to continue with the Full install.

- 1. Continue the Data Analytics Information Platform Services 4.2 SP2 Installation from Step 10 above.
- 2. The Select Default of Existing Database window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Default or Existing Database
Select whether to configure and install Sybase SQL Anywhere or use an existing database to store data for the Information platform services.
C Configure and install a Sybase SQL Anywhere database
Configure an existing database
Back Next Cancel

3. Select the Configure an existing database option to store Central Management Server (CMS) and Auditing Data Store (ADS) information.

DXC does not support Sybase SQL.

Select the Next button. The Select Existing CMS Database Type window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing CMS Database Type
Select the database type to use for the CMS repository.
CMS Database Type
C MySQL
C IBM DB2
O Oracle
SAP Sybase Adaptive Server Enterprise
Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC
Back Next Cancel

4. By default, the SAP Sybase SQL Anywhere using ODBC option is selected. DXC only support SQL Server and Oracle.

Select the Database Type to use for the CMS Repository.

SQL Server:

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing CMS Database Type
Select the database type to use for the CMS repository.
CMS Database Type
C MySQL
C IBM DB2
C Oracle
C SAP Sybase Adaptive Server Enterprise
Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC

Oracle:

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing CMS Database Type
Select the database type to use for the CMS repository.
CMS Database Type
C MySQL
C IBM DB2
 Oracle
O SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC
Back Next Cancel

Select the Next button.

The Select Existing Auditing Database Type window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing Auditing Database Type
Select the database to use for the Auditing database. Select "No auditing database" to configure auditing at a later time.
Auditing Database Type
C MySQL
C IBM DB2
O Oracle
C SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC
C No auditing database
Back Next Cancel

5. By default, the SAP Sybase SQL Anywhere using ODBC option is selected. DXC only supports SQL Server and Oracle.

Select the database type to use for the Auditing database. Select the "No auditing database" option to configure the Auditing database at a later time or to not use the auditing feature.

SQL Server:

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing Auditing Database Type
configure auditing at a later time.
Auditing Database Type
O MySQL
C IBM DB2
O Oracle
O SAP Sybase Adaptive Server Enterprise
Microsoft SQL Server using ODBC
C SAP Sybase SQL Anywhere using ODBC
O No auditing database
Back Next Cancel

Oracle:

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing Auditing Database Type
Select the database to use for the Auditing database. Select "No auditing database" to configure auditing at a later time.
Auditing Database Type
O MySQL
C IBM DB2
© Oracle
O SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
O SAP Sybase SQL Anywhere using ODBC
O No auditing database
Back Next Cancel

Select the Next button.

The Select Java Web Application Server window opens.

Information platform services 4.2 SP2 setup 💻 📼 🗙
Select Java Web Application Server
Select a Java Web Application Server solution.
 Install the default Tomcat Java Web Application Server and automatically deploy web applications
C Manually deploy web applications to a supported Java Web Application Server after the installation
C Install the Web Application Container Server and automatically deploy web applications
Back Next Cancel

 By default, the Install Tomcat Java Web Application server option is selected.
 Note: This option deploys all web applications such as the Central Management Console, etc. DXC recommends using the Install Tomcat Java Web Application Server option.

Select the "Manually deploy web applications to supported Java Web Application Server after the installation" option if a supported Java web application server exists.

Note: None of the web applications are deployed automatically when this option is selected. All of the web applications need to be deployed to a Java web application server manually after the IPS installation. DXC does not recommend using this option and installation instructions are not supported in this document.

Select the "Web Application Container Server and automatically deploy web applications" option if you want to install Web application container server.

Note: Web applications such as the Central Management Console will be automatically deployed when using this option. The WDeploy tool is not installed as part of this option.

Select the Next button.

The Select Version Management window opens.

Information platform services 4.2 SP2 setup 💻 🗖 🗙
Select Version Management
Select whether to install the default version control system or use an exising system for version management.
C Configure and install Subversion
• Do not configure a version control system at this time
Back Next Cancel

7. Select the "Do not configure a version control system at this time" option. Select the Next button.

The Configure Server Intelligence Agent (SIA) window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Configure Server Intelligence Agent (SIA)
Enter a name and port number for the SIA node.
SIA Information
Node Name:
SIA Port: 6410
Back Next Cancel

8. By default, the computer/server name displays in the Node Name. This is the name which will be seen in the Central Configuration Manager (CCM). The Node Name may be modified. The name must consist of English alphanumeric characters and contain no spaces or other punctuation aside from underscores. The name cannot start with a number.

By default, port 6410 displays in the SIA Port. Port 6410 is reserved for use with BI Platform SIA. The Port may be modified.

Select the Next button.

The Configure Central Management Server (CMS) window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Configure Central Management Server (CMS)
Enter a port number for the CMS.
CMS Information
CMS Port: 5400
Back Next Cancel

9. By default, Port 6400 displays in the CMS Port field. Port 6400 is reserved for use with the BI Platform CMS. The Port may be modified.

Select the Next button.

The Configure CMS Account window opens.

Information platform	n services 4.2 SP2 setup 💻 💻 🗙
Configure CMS Account	
Enter the administrator account password and to connect multiple CMS servers together.	cluster key for the CMS. The cluster key is used
Administrator Account Information	
Password:	****
Confirm Password:	****
Cluster Key Information	
CMS Cluster Key:	****
Confirm Cluster Key:	****
	Back Next Cancel

10. The CMS Administrator is a super-user account in the BI platform authentication system, used only to administer the SAP BusinessObjects server configuration.

Enter the administrator account password and cluster key for the CMS. This password will be used to log into CMS once installed. Password can be anything. The cluster key is used to connect multiple CMS servers together.

Select the Next button.

The Configure CMS Repository Database window opens. **SQL Server:**

Informati	ion platfoi	rm services 4.2 SP2 setup 💻 💻 🗙
Configure CMS Repository Specify information about the	Database - existing datab	SQL Server (ODBC) ase to use for the CMS repository
System DSN	Description	
DA CLOUD AUDIT	DA CLOUD	AUDIT
DA_CLOUD_CMS	DA_CLOUD	_CMS
<		III >
Data S	Source:	(not yet selected)
:	Server:	(not yet selected)
User	Name:	
Pas	ssword:	
Dat	tabase:	•
Use Trusted Connection		
🔲 Show system database		
Reset existing database		
Consume DSN created under WOW64		
Refr	esh	Back Next Cancel

Oracle:

Information platform	n services 4.2 SP2 setup 💻 💻 🗙
Configure CMS Repository Database - O	racle
Enter information about the existing database	to use for the CMS repository
CMS Database Connection Information	
Oracle TNSNAME	
User Name	
Password	
	Reset existing database
	Back Next Cancel

- 11. Configure the CMS Repository Database.
 - a. SQL Server:
 - Select the DA_CLOUD_CMS System DSN from the list.
 - The Data Source, Server, User Name and Database will populate once the System DSN is selected.
 - In the Password field, enter the DA_CLOUD_CMS ODBC Password.
 - Select check box Reset existing database for CMS database.
 - The DA_CLOUD_CMS database and ODBC connection must be created and configured as part of the Pre-Installation Steps.

Informati	on platforn	n services 4.2 SP2 setup 💻 💻 🗙
Configure CMS Repository	Database - S	iQL Server (ODBC)
Specify information about the e	xisting databa:	se to use for the CMS repository
System DSN	Description	
DA_CLOUD_AUDIT DA_CLOUD_CMS	DA_CLOUD_A DA_CLOUD_C	AUDIT CMS
<	1	I >
Data S	ource:	DA_CLOUD_CMS
S	erver:	
User	Name:	sa
Password: *********		****
Database: DA_CLOUD_CMS 🗨		DA_CLOUD_CMS
Use Trusted Connection		
🔲 Show system database		
Reset existing database		
Consume DSN created unde	er WOW64	
Refre	sh	Back Next Cancel

b. Oracle:

- Enter the Oracle TNSNAME
- Enter the User Name
- Enter the Password

Information platform	n services 4.2 SP2 setup 💻 💻 🗙
Configure CMS Repository Database - Or	ʻacle
Enter information about the existing database I	to use for the CMS repository
CMS Database Connection Information	
Oracle TNSNAME	ORCLDEV
User Name	DACMSCLOUD
Password	****
	Reset existing database
-	
	Back Next Cancel

Select the Reset Existing Database option.

Select the Next button.

The Configure Auditing Database window opens. **SQL Server:**

Informat	ion platfo	orm services 4.2 SP2 setup 💻 🗖 🗙
Configure Auditing Database - SQL Server (ODBC)		
Enter connection information a	about the exis	sting database to use for auditing
System DSN	Description	ר ריגער איז
	DA_CLOU	
	DA_CLOOL	J_CMS
<		III >
Data	Source:	(not yet selected)
	Server:	(not yet selected)
Use	r Name:	
Pa	ssword:	
Da	tabase:	-
🗌 Use Trusted Connection		
🔲 Show system database		
_		
Consume DSN created und	ler WOW64	
Refr	esh	Back Next Cancel

Oracle:

Information platform	services 4.2 SP2 setup 🗕 🗖 🗙
Configure Auditing Database - Oracle	
Enter information about the existing database t	o use for auditing
Auditing Database Connection Information —	
Oracle TNSNAME	1
User Name	
Password	
1	Back Next Cancel

12. Configure the Auditing Database.

a. SQL Server

- Select the DA_CLOUD_AUDIT System DSN from the list.
- The Data Source, Server, User Name and Database will populate once the System DSN is selected.
- In the Password field, enter the DA_CLOUD_AUDIT ODBC Password.
- The DA_CLOUD_AUDIT database and ODBC connection must be created and configured as part of the Pre-Installation Steps.

Informati	ion platforn	n services 4.2 SP2 setup 💻 🗖 🗙
Configure Auditing Databa	ise - SQL Serv	er (ODBC)
Enter connection information a	bout the existin	ig database to use for auditing
System DSN DA_CLOUD_AUDIT DA_CLOUD_CMS	Description DA_CLOUD_/ DA_CLOUD_0	AUDIT
<		I >
Data S	Source:	DA_CLOUD_AUDIT
:	Server:	
User	Name:	sa
Pas	ssword:	*****
Database: DA_CLOUD_AUDIT 🗨		DA_CLOUD_AUDIT
Use Trusted ConnectionShow system database		
Consume DSN created und	er WOW64	
Refr	esh	Back Next Cancel

b. Oracle

Enter the Oracle TNSNAME Enter the User Name Enter the Password

Information platform	n services 4.2 SP2 setup 💻 💻 🗙
Configure Auditing Database - Oracle	
Enter information about the existing database	to use for auditing
-Auditing Database Connection Information	
Oracle TNSNAME	ORCLDEV
User Name	DAAUDITCLOUD
Password	****
	Back Next Cancel

Select the Next button.

The Configure Web Application window opens.

- 13. Web Application Configuration
 - a. Configure Tomcat

Information platform services 4.2 SP2 setup 💻 🗖 🌄	¢
Configure Tomcat	
Enter the port information for Tomcat.	
	_
Tomcat Information	
Connection Port: 8080	
Shutdown Port: 8005	
Redirect Port: 8443	
Back Next Cancel	

- i. By default, the port values in the Connection Port, Shutdown Port and Redirect Port are displayed.
- ii. You can modify the port values if they are not correct with respect to your environment.
- b. Java Web Application Server not recommended by DXC
- 14. Select the Next button.

The Select Connectivity for Solution Manager Diagnostics (SMD) Agent window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Connectivity for Solution Manager Diagnostics (SMD) Agent
Select connectivity to SMD Agent to provide server profiling and diagnostics.
Configure connectivity to SMD Agent
Do not configure connectivity to SMD Agent
Back Next Cancel

15. Select the Do not configure connectivity to SMD Agent option.

Select the Next button.

The Select Connectivity to Introscope Enterprise Manager window opens.
Information platform services 4.2 SP2 setup 💻 🗖 🗙
Select Connectivity to Introscope Enterprise Manager
Select connectivity to Introscope Enterprise Manager to configure server profiling.
C Configure connectivity to Introscope Enterprise Manager
To not configure connectivity to Introscope Enterprise Manager
Back Next Cancel

16. Select the Do not configure connectivity to Introscope Enterprise Manager option.

Select the Next button. The Start Installation window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Start Installation
The installation is ready to install Information platform services 4.2 SP2. Click Back to make changes to your installation information. Click Next to begin the installation.
Back Cancel

- 17. Select the Next button to start the installation.Use the Back button to navigate to previous windows to modify installation settings.Select the Cancel button to cancel the installation.
- 18. The SAP BusinessObjects Business Intelligence Platform window opens.



The installation takes approximately 20 minutes to run.
 When the installation completes, the Post Installation Steps window opens.

Information platform services 4.2 SP2 setup 💻 💻	x
Post Installation Steps Installation is complete. Follow the post installation instructions below to complete your deployment.	
 Post Installation Instructions: Log on to the Central Management Console (CMC) to continue configuring the system. You can access the CMC via the Information platform services Central Management Console shortcut on the Start menu. To access the Monitoring Tool in order to run diagnostic tests, logon to the Central Management Console (CMC), click on the "Monitoring" button, and go to "Probes" tab. 	^
	~
Back Next Cancel	

20. Select the Next button.

The Information Platform Services 4.2 SP2 successfully installed window opens.



- 21. Select the Finish button.
- 22. The Information Platform Services 4.2 SP2 Setup window closes.
- 23. Refer to the following Post Installation Steps to complete the installation.
 - <u>To Check Central Configuration Manager</u>
 - To Check IPS Central Management Console
 - Data Analytics Data Services 4.2 Installation Steps

Custom/Expand Installation

The Custom/Expand Installation will install the Information Platform Services system based on the features selected. This installation is also used install a Web Application Container and later deploy on a Java Web Application Server other than Tomcat, for instance WebLogic, or when Tomcat is already installed. Follow the instructions below to continue with the Custom/Expand install.

- 1. Continue the Data Analytics Information Platform Services 4.2 SP2 Installation from Step 10 above.
- 2. The Select Features window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Features
Select the features that you want to install.
□ Instances □ WebTier □ ✓ □ ✓ Platform Services □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ □ ✓ <t< td=""></t<>
Disk Cost Back Next Cancel

- 3. Select the following Features:
 - a. In the Web tier feature
 - Check Web Application Container Service checkbox
 - Uncheck the Tomcat 8.0 checkbox
 - Check Java Web Applications checkbox if not checked

Information platform services 4.2 SP2 setup 💻 💻	x
Select Features	
Select the features that you want to install.	
WebTier Java Web Applications Web Application Container Service Manage Monitoring Manage LCM Manage Access Levels Manage Access Levels Manage Applications Manage Applications Manage Auditing	< III
	\sim
Installs Apache Tomcat web application server. Select this feature in conjunction with the 3 Web Applications feature to host BI platform web applications on the installed Tomcat serv	ava er.
Disk Cost Back Next Cancel	

- b. In Platform services Feature
 - Uncheck the Sybase SQL Anywhere Database checkbox (DXC does not support Sybase SQL)
 - Uncheck the Subversion checkbox

Information platform services 4.2 SP2 setup 💻 💻	x
Select Features	
Select the features that you want to install.	
Instances	^
Her Platform Services	
Central Management Server	_
File Repository Server	=
Platform Processing Services	
Client Auditing Proxy Processing Service	
Monitoring Processing Service	
Security Token Service	\sim
Installs the Subversion version control system, and configures it for use with Lifecycle	
Management (LCM)	
	1
Disk Cost Back Next Cancel	

Information platform services 4.2 SP2 setup 💻 💻	x
Select Features	
Select the features that you want to install.	
 Platform Processing Services Platform Scheduling Services Client Auditing Proxy Processing Service Clifecycle Management Processing Services Monitoring Processing Service Security Token Service Security Token Service Destination Scheduling Service Subversion Administrator Tools Database Access Installs the Subversion version control system, and configures it for use with Lifecycle Management (LCM)	*
Disk Cost Back Next Cancel	

4. Select the Next button

Select New or Expand installation window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select New or Expand Installation
Select if you would like to start a new Information platform services deployment, or expand an existing one.
 Start a new Information platform services deployment
C Expand an existing Information platform services deployment (Requires a remotely installed CMS)
Back Next Cancel

5. By default, Start a new Information Platform services deployment is selected. Leave this option selected.

Select the Next button.

The Select Existing CMS Database Type window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing CMS Database Type
Select the database type to use for the CMS repository.
CMS Database Type
C MySQL
C IBM DB2
C Oracle
C SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC
Rack Novt Casad

6. By default, the SAP Sybase SQL Anywhere using ODBC option is selected. DXC only support SQL Server and Oracle.

Select the Database Type to use for the CMS Repository. **SQL Server:**

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing CMS Database Type
Select the database type to use for the CMS repository.
CMS Database Type
C MySQL
C IBM DB2
O Oracle
C SAP Sybase Adaptive Server Enterprise
Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC
Back Next Cancel

Oracle:

Information platform services 4.2 SP2 setup 💻 📼 🗙
Select Existing CMS Database Type
Select the database type to use for the CMS repository.
CMS Database Type
C MySQL
C IBM DB2
© Oracle
C SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
C SAP Sybase SQL Anywhere using ODBC
Back Next Cancel

Select the Next button.

The Select Existing Auditing Database Type window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing Auditing Database Type
configure auditing at a later time.
Auditing Database Type
C MySQL
C IBM DB2
C Oracle
C SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
SAP Sybase SQL Anywhere using ODBC
C No auditing database
Back Next Cancel

7. By default, the SAP Sybase SQL Anywhere using ODBC option is selected. DXC only supports SQL Server and Oracle.

Select the database type to use for the Auditing database. Select the "No auditing database" option to configure the Auditing database at a later time or to not use the auditing feature.

SQL Server:

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing Auditing Database Type
Select the database to use for the Auditing database. Select "No auditing database" to configure auditing at a later time.
Auditing Database Type
C MySQL
C IBM DB2
C Oracle
C SAP Sybase Adaptive Server Enterprise
Microsoft SQL Server using ODBC
C SAP Sybase SQL Anywhere using ODBC
O No auditing database
Back Next Cancel

Oracle:

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Existing Auditing Database Type Select the database to use for the Auditing database. Select "No auditing database" to
configure auditing at a later time.
Auditing Database Type
O MySQL
C IBM DB2
© Oracle
O SAP Sybase Adaptive Server Enterprise
C Microsoft SQL Server using ODBC
C SAP Sybase SQL Anywhere using ODBC
O No auditing database
Back Next Cancel

Select the Next button.

The Configure Server Intelligence Agent (SIA) window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Configure Server Intelligence Agent (SIA)
Enter a name and port number for the SIA node.
SIA Information
Node Name:
SIA Port: 6410
Back Next Cancel

8. By default, the computer/server name displays in the Node Name. This is the name which will be seen in the Central Configuration Manager (CCM). The Node Name may be modified. The name must consist of English alphanumeric characters and contain no spaces or other punctuation aside from underscores. The name cannot start with a number.

By default, port 6410 displays in the SIA Port. Port 6410 is reserved for use with BI Platform SIA. The Port may be modified.

Select the Next button.

The Configure Central Management Server (CMS) window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Configure Central Management Server (CMS)
Enter a port number for the CMS.
CMS Information
CMS Port: <u>5400</u>
Back Next Cancel

9. By default, Port 6400 displays in the CMS Port field. Port 6400 is reserved for use with the BI Platform CMS. The Port may be modified.

Select the Next button.

The Configure CMS Account window opens.

Information platform services 4.2 SP2 setup 📒 🗖 🗙		
Configure CMS Account		
Enter the administrator account password and cluster key for the CMS. The cluster key is used to connect multiple CMS servers together.		
Administrator Account Information		
Password:	****	
Confirm Password:	*****	
Cluster Key Information		
CMS Cluster Key:	*****	
Confirm Cluster Key:	****	
L		
	Back Next Cancel	

10. The CMS Administrator is a super-user account in the BI platform authentication system, used only to administer the SAP BusinessObjects server configuration.

Enter the administrator account password and cluster key for the CMS. This password will be used to log into CMS once installed. Password can be anything. The cluster key is used to connect multiple CMS servers together.

Select the Next button.

The Configure CMS Repository Database window opens. **SQL Server:**

Information platform services 4.2 SP2 setup 💻 💻 🗙			
Configure CMS Repository	Configure CMS Repository Database - SQL Server (ODBC)		
Specify information about the (existing datab	base to use for the CMS repository	
System DSN	Description		
DA_CLOUD_AUDIT DA_CLOUD_CMS	DA_CLOUD DA_CLOUD	o_AUDIT o_CMS	
<		III >	
Data S	5ource:	(not yet selected)	
:	Server:	(not yet selected)	
User	Name:		
Pas	sword:		
Dat	:abase:	_	
Use Trusted Connection			
🔲 Show system database	☐ Show system database		
Reset existing database			
Consume DSN created und	er WOW64		
Refro	esh	Back Next Cancel	

Oracle:

Information platform services 4.2 SP2 setup 📒 🗖 🗙		
Configure CMS Repository Database - Oracle		
Enter information about the existing database to use for the CMS repository		
CMS Database Connection Information		
Oracle TNSNAME	<u>I</u>	
User Name		
Password		
	Reset existing database	
<u></u>		
	Back Next Cancel	

- 11. Configure the CMS Repository Database.
 - a. SQL Server:
 - Select the DA_CLOUD_CMS System DSN from the list.
 - The Data Source, Server, User Name and Database will populate once the System DSN is selected.
 - In the Password field, enter the DA_CLOUD_CMS ODBC Password.
 - Select check box Reset existing database for CMS database.
 - The DA_CLOUD_CMS database and ODBC connection must be created and configured as part of the Pre-Installation Steps.

Information platform services 4.2 SP2 setup 💻 💻 🗙			
Configure CMS Repository Database - SQL Server (ODBC)			
Specify information about the	existing databa	ise to use for the CMS repository	
System DSN	Description		
DA_CLOUD_AUDIT	DA_CLOUD_	AUDIT	
DA_CLOUD_CMS	DA_CLOUD_	CMS	
<	I	II >	
, Data	Source:		
2003	-	5.1_22005_21.15	
	Server:		
Use	r Name:	sa	
Pa	ssword:	****	
Da	tabase:	DA_CLOUD_CMS	
Use Trusted Connection	Use Trusted Connection		
Show system database			
Reset existing database			
Consume DSN created under WOW64			
Refi	resh	Back Next Cancel	

b. Oracle:

- Enter the Oracle TNSNAME
- Enter the User Name
- Enter the Password

Information platform services 4.2 SP2 setup 📒 🗖 🗙		
Configure CMS Repository Database - Oracle		
Enter information about the existing database to use for the CMS repository		
CMS Database Connection Information		
Oracle TNSNAME	ORCLDEV	
User Name	DACMSCLOUD	
Password	****	
	Reset existing database	
Rack Next Cascal		

Select the Reset Existing Database option.

Select the Next button.

The Configure Auditing Database window opens. **SQL Server:**

Information platform services 4.2 SP2 setup 💻 💻 🗙			
Configure Auditing Databa	Configure Auditing Database - SQL Server (ODBC)		
Enter connection information at	oout the exis	ting database to use for auditing	
System DSN	Description	1	
DA_CLOUD_AUDIT	DA_CLOUE	AUDIT	
DA_CLOUD_CMS		_CMS	
<			
Data S	ource:	(not yet selected)	
S	erver:	(not yet selected)	
User	Name:		
Pas:	sword:		
Data	abase:	_	
Use Trusted Connection	Use Trusted Connection		
Show system database			
Consume DSN created under WOW64			
Refre	sh	Back Next Cancel	

Oracle:

Information platform services 4.2 SP2 setup 💻 💻 🗙			
Configure Auditing Database - Oracle	Configure Auditing Database - Oracle		
Enter information about the existing database t	to use for auditing		
Auditing Database Connection Information —			
Oracle TNSNAME	1		
User Name			
Password			
	Back Next Cancel		

12. Configure the Auditing Database.

a. SQL Server

- Select the DA_CLOUD_AUDIT System DSN from the list.
- The Data Source, Server, User Name and Database will populate once the System DSN is selected.
- In the Password field, enter the DA_CLOUD_AUDIT ODBC Password.
- The DA_CLOUD_AUDIT database and ODBC connection must be created and configured as part of the Pre-Installation Steps.

Information platform services 4.2 SP2 setup 💻 💻 🗙			
Configure Auditing Data	Configure Auditing Database - SQL Server (ODBC)		
Enter connection information about the existing database to use for auditing			
System DSN	Description		
DA_CLOUD_AUDIT		_AUDIT	
	DA_CLOOD		
<		III >	
Da	ata Source:	DA_CLOUD_AUDIT	
	Server:		
ι	Jser Name:	sa	
	Password:	******	
	Database:	DA_CLOUD_AUDIT	
🔲 Use Trusted Connection	Use Trusted Connection		
Show system database			
Consume DSN created under WOW64			
R	tefresh	Back Next Cancel	

b. Oracle

Enter the Oracle TNSNAME Enter the User Name Enter the Password

Information platform	n services 4.2 SP2 setup 💻 💻 🗙
Configure Auditing Database - Oracle	
Enter information about the existing database	to use for auditing
Auditing Database Connection Information —	
Oracle TNSNAME	ORCLDEV
User Name	DAAUDITCLOUD
Password	*****
	Back Next Cancel

Select the Next button.

The Configure HTTP Listening Port window opens.

Information platform services 4.2 SP2 setup 💻 📼 🗙
Configure HTTP Listening Port
Enter the HTTP listening port for connecting to WACS and RESTful Web Services.
Listening Port Information
HTTP Listening Port: 5405
Back Next Cancel

- i. By default, the HTTP Listening Port is displayed.
- ii. You can modify the port value if they are not correct with respect to your environment.

13. Select the Next button.

The Select Connectivity for Solution Manager Diagnostics (SMD) Agent window opens.

Information platform services 4.2 SP2 setup 💻 💻 🗙
Select Connectivity for Solution Manager Diagnostics (SMD) Agent
Select connectivity to SMD Agent to provide server profiling and diagnostics.
C Configure connectivity to SMD Agent
Do not configure connectivity to SMD Agent;
Back Next Cancel

14. Select the Do not configure connectivity to SMD Agent option.

Select the Next button.

The Select Connectivity to Introscope Enterprise Manager window opens.

Information platform services 4.2 SP2 setup 💻 🗖 🗙
Select Connectivity to Introscope Enterprise Manager
Select connectivity to Introscope Enterprise Manager to configure server profiling.
C Configure connectivity to Introscope Enterprise Manager
Do not configure connectivity to Introscope Enterprise Manager
Back Next Cancel

15. Select the Do not configure connectivity to Introscope Enterprise Manager option. Select the Next button.

The Start Installation window opens.

Information platform services 4.2 SP2 setup 💻 🗖 🗙
Start Installation
The installation is ready to install Information platform services 4.2 SP2. Click Back to make changes to your installation information. Click Next to begin the installation.
Back Cancel

- 16. Select the Next button to start the installation.Use the Back button to navigate to previous windows to modify installation settings.Select the Cancel button to cancel the installation.
- 17. The SAP BusinessObjects Business Intelligence Platform window opens.



The installation takes approximately 20 minutes to run.
 When the installation completes, the Post Installation Steps window opens.

Information platform services 4.2 SP2 setup 💻 💻	x
Post Installation Steps Installation is complete. Follow the post installation instructions below to complete your deployment.	
 Post Installation Instructions: Log on to the Central Management Console (CMC) to continue configuring the system. You can access the CMC via the Information platform services Central Management Console shortcut on the Start menu. To access the Monitoring Tool in order to run diagnostic tests, logon to the Central Management Console (CMC), click on the "Monitoring" button, and go to "Probes" tab. 	^
	~
Back Next Cancel	

19. Select the Next button.

The Information Platform Services 4.2 SP2 successfully installed window opens.



20. Uncheck the automatically launch WDeploy tool option.

Select the Finish button.

The Information Platform Services 4.2 SP2 Setup window closes.

- 21. Refer to the following Post Installation Steps to complete the installation.
 - To Check Central Configuration Manager
 - <u>To Check Central Management Console</u>
 - <u>To Deploy the Web Applications</u>
 - Data Analytics Data Services 4.2 Installation Steps

Data Analytics Data Services 4.2 Installation Steps

Follow the instructions in the Data Services 4.2 Installation Steps section to install Data Services on the DA server. Instructions are included for a new Data Services installation and for a Data Services upgrade installation. Follow the New installation instructions if you are a new Data Analytics client and Data Analytics has not been previously installed. Follow the Upgrade installation instructions if a previous version of Data Analytics was installed even if migrating to a new DA server.

New Installation

Follow the instructions in this section to install Data Services for a brand new installation of Data Analytics.

1. Extract the installation file named SAP Data Services SAP Data Services 4.2 SP07 Sever 64 Bit_51050995_4.zip to the Data Analytics server.

Files must be downloaded as part of the Pre-Installation step.

- 2. Double click the Setup.exe in the
 - BD_SAP_DATA_SERVICES_4.2_SP7_MULTI_64B_\DATA_UNITS\DS_42_WIN64 directory.

퉬 Collaterals	7/6/2016 11:20 AM	File folder	
퉬 Documentation	7/6/2016 11:20 AM	File folder	
퉬 dunit	7/6/2016 11:20 AM	File folder	
퉬 langs	7/6/2016 11:20 AM	File folder	
퉬 setup.engine	7/6/2016 11:20 AM	File folder	
📰 autorun	4/28/2016 8:06 AM	Setup Information	1 KB
PRODLABEL	4/30/2016 12:49 AM	File	1 KB
Productld	4/28/2016 8:03 AM	Text Document	1 KB
💼 response	4/28/2016 8:06 AM	Configuration sett	2 KB
📑 setup	4/28/2016 8:06 AM	Application	271 KB
📰 setup	4/28/2016 8:06 AM	Configuration sett	1 KB
SIGNATURE.SMF	5/14/2016 2:42 AM	SMF File	603 KB

3. The Microsoft Windows installer starts to analyze the setup and the View pre-installation information window opens.

	View pre-installation information?	x
1	Prior to installing, would you like to view the Data Services installation preview video and related resources to help you plan and prepare for installation? You can also view this information any time, by going to http://help.sap.com/bods42	
	<u>Yes</u> <u>N</u> o	

4. Select the Yes button to view the pre-installation overview or select the No button to continue with the installation.

The Data Services 4.2 SP1 Check Prerequisites window opens.

SAP Data Services	s 4.2 SP7 se	tup 📕	□ X
Check Prerequisites			
Summary of any missing critical or optional prerequ	iisites.		
Failed critical dependencies must be addressed bef optional dependencies might result in some compor	ore the installa	ition can continue, whi ling.	ile failed
Prerequisite	Туре	Status	<u>^</u>
Microsoft .NET Framework 3.5 or higher	Optional	Succeeded	
Detected Active Processes	Critical	Succeeded	
Existing Data Services version	Critical	Succeeded	=
SAP HostAgent	Optional	Failed	-
Platform Memory Architecture	Critical	Succeeded	
Microsoft Windows Version	Critical	Succeeded	
SAP Information platform services	Optional	Succeeded	
SAP Information platform services Version	Critical	Succeeded	
Cannot coexist with 32-bit installation	Critical	Succeeded	~
If a prerequisite failed, please click on the failed ite Information: The SAP HostAgent was not detecte Services with SLD during installation.	em for informat d. You will not l	ion on how to resolve be able to integrate Da	it. ata
Bac	k 🗌 🗖	Next Ca	ncel

- 5. All failed prerequisite requirements must be resolved in order to continue with the Data Services installation. The SAP Host Agent dependency failed prerequisite warning can be ignored and installation can continue. The Next button will display when the status of all prerequisites is succeeded.
- 6. Select the Next button.

The Microsoft Windows installer starts to analyze the setup and the SAP Data Services 4.2 SP7 Setup window opens.


 Select the Next button. The License Agreement window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 🗙
License Agreement
You must agree to the licensing conditions to proceed.
SOFTWARE LICENSE AGREEMENT
IMPORTANT-READ CAREFULLY : THIS IS A LEGAL AGREEMENT BETWEEN YOU AND SAP FOR THE SAP SOFTWARE ACCOMPANYING THIS AGREEMENT, WHICH MAY INCLUDE COMPUTER SOFTWARE, ASSOCIATED MEDIA, PRINTED MATERIALS AND ONLINE OR ELECTRONIC DOCUMENTATION ("SOFTWARE"). BEFORE CONTINUING WITH THE INSTALLATION OF THE SOFTWARE, YOU MUST READ, ACKNOWLEDGE AND ACCEPT THE TERMS AND CONDITIONS OF THE SOFTWARE LICENSE AGREEMENT THAT FOLLOWS ("AGREEMENT"). IF YOU DO NOT ACCEPT THE TERMS AND CONDITIONS OF THE AGREEMENT, YOU MAY RETURN, WITHIN THIRTY (30) DAYS OF PURCHASE, THE SOFTWARE TO THE PLACE YOU OBTAINED IT FOR A FULL REFUND.
GRANT OF LICENSE. SAP grants you a nonexclusive and limited license to use the Software products and functionalities for which you have paid the applicable fees solely for your internal business purposes and in accordance with the terms and conditions of this Agreement. The Software is licensed, not sold, to you. If you acquired this product as a special offer, as a promotional license included with another SAP product, or bundled or via combination with a third party product additional restrictions apply as set forth in the
I accept the License Agreement
C I do not accept the License Agreement
Back Next Cancel

8. Review the License Agreement and select the 'I accept the License Agreement' option to continue the setup.

Select the Next button.

The Configure Product Registration window opens.

SAP Data Services 4.2 SP7 setup 📃 🗖 🗙
Configure Product Registration
Enter the SAP Data Services 4.2 product key.
Product Key Information
Product Key:
Back Next Cancel

Enter the Product Key.
 Select the Next button.
 The Configure Destination Folder window opens.

SAP Data Services 4.2 SP7 setup	_ □	x
Configure Destination Folder		
Enter the full destination path where the product will be installed.		
Destination Folder Information		
C:\Program Files (x86)\SAP BusinessObjects\	Browse	
Back	Cancel	

10. In the Destination Folder field, enter the destination directory where you want to install Data Services or select the Browse button to navigate to the destination directory location.

The Destination Folder Information defaults when SAP BusinessObjects products are already installed.

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

Ensure the destination folder is not set to the same folder in which the installation program has been extracted.

Select the Next button.

Configure Data Services Common Directory window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 🗙
Configure Data Services Common Directory
To change the location for the Data Services (DS) common directory, select the check box Change DS_COMMON_DIR Location and enter or browse to the new location.
Data Services Common Directory
Change DS_COMMON_DIR Location
Location must be a fixed local directory that has sufficient disk space and permissions for all users.
C:\ProgramData\SAP BusinessObjects\Data Services\ Browse
The DS_COMMON_DIR contains configuration files and log files that Data Services components read from and write to during installation, upgrade, and runtime.
Back Cancel

11. Select the Next button.

Select Language Packages window opens

SAP Data Services 4.2 SP7 setup 📃 💻 🗙
Select Language Packages
Select all additional Language Packages that the users will interact with in the product.
Czech English French German Hungarian Japanese Russian Turkish
All Languages
Back Next Cancel

12. Select the appropriate language(s) to install. Select the All Languages checkbox when all languages need to be installed.

Select the Next button.

The Specify CMS Connection Information window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 🗙			
Specify CMS connection information			
Specify Central Management Server (CMS) administrator login information to configure components including the Data Services Management Console and all services hosted by the CMS.			
SAP BusinessObjects Enterprise Server (CMS)			
Specify CMS CMS Server			
System:			
Enable SSL:			
User: Administrator			
Password:			
Authentication mode: Enterprise			
C Skip CMS			
If you choose this option, make sure that APS Services, which are required for Data Services (and Information Steward) product usage, are deployed to at least one CMS in your landscape. APS Services and Management Console features cannot be installed by choosing this option, and the installation type will default to 'install without configuration'. This option is typically used for client installation.			
Back Next Cancel			

13. The CMS server connection information defaults based on the Information Platform Services configuration. The CMS administrator login information may be modified.

SSL is not supported during Data Services Installation.

Select the Next button.

The CMS Service Stop/Start window opens.

	SAP Data S	ervices 4.2 SP7 setup	_ 🗆 X	
Specify CMS connection	n information			
Specify Central Management Server (CMS) administrator login information to configure components including the Data Services Management Console and all services hosted by the CMS.				
SAP BusinessObjects	Enterprise Server ((CMS)		
Specify CMS				
	System:	WIN-6RQH3A9RFI3		
	Enable SSL:	Г		
	User:	Administrator		
	Password:	****		
Auth	entication mode:	Enterprise	_	
Services (an CMS in your installed by o without conf	e this option, make d Information Stew landscape. APS Se choosing this optior iguration'. This opt	a sure that APS Services, which are vard) product usage, are deployed rvices and Management Console fr , and the installation type will def- ion is typically used for client insta	l to at least one eatures cannot be ault to 'install llation.	
		Back Next	Cancel	
	CMS Ser	rvice Stop/Start	x	
The installat Agent (SIA) Services. Ensure that automatical Do you wan	ion wizard must servers available the Input File Rep ly when the local t to continue and	stop and restart all local Server on this machine to successfully pository Server is enabled and c: SIA servers restart. I restart the local SIA servers?	Intelligence / install Data an start	
		<u>Y</u> es	No	

14. Select "Yes", to continue with the install and have the Server Intelligent Agent (SIA) servers stopped and restarted.

Select "No", to cancel the installation.

The Installation Type Selection window opens.

SAP Data Services 4.2 SP7 setup 📃 🗖 🗙
Installation Type selection
Select the installation type you want to use.
- Select Installation Type
 Install with default configuration
This option installs and configures mandatory Data Services components using default configuration values. A Data Services repository will be configured on the chosen database type via server-based connection. This repository is associated with the default Job Server configured during installation.
C Install without configuration
This option is recommended for advanced users who want to install specific Data Services features and then configure them post-installation. Mandatory post-installation configurations are Data Services repository (repository creation and registration on CMS) and Job Server.
Back Cancel

15. Select the Install with default configuration option. Select the Next button.

The Select Features window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 🗖	x
Select Features	
Select the features that you want to install.	
 Data Services Data Services Server Data Services Client Designer and Workbench Data Services Management Console Data Services APS Services Data Services MessageClient Text Data Processing Languages Data Services Documentation 	
Disk Cost Back Next Cancel	

16. The features for a full installation will be selected. None of the features need to be deselected. Select the Disk Cost button to verify whether sufficient disk space is available for the selected components.

Select the Next button.

The Specify Local Repository Database Type window opens.

SAP Data Services 4.2 SP7 setup	-		x
Specify Local Repository Database Type			
Please specify your local repository database type			
Repository Database Type:			
Database type: DB2			
Back		Cancel	

17. From the 'Repository Database Type' field, select the appropriate Database Type to use for creation of the Repository.

SQL Server:

SAP Data Services 4.2 SP7 setup	_		x
Specify Local Repository Database Type			
Please specify your local repository database type			
Repository Database Type:			
Database type: Microsoft SQL Server			
Back Next		Cancel	

Oracle:

SAP Data Services 4.2 SP7 setup	_		x
Specify Local Repository Database Type			
Please specify your local repository database type			
Repository Database Type:			
Database type: Oracle			
Back Next]	Cancel	

Select the Next button.

The Repository Database Connection window opens.

- 18. Enter the Repository database details.
 - a. SQL Server
 - Enter the Registration name for CMS. The registration name is the logical name for the repository that will appear in the Central Management Console (CMS) and the client login screens where the repository is selected.
 - The Database Type defaults to previously selected value
 - Enter the Database Server name
 - Enter the Database port
 - Enter the Database name. This is the Repo_WIN-6RQH3A9RFI3 database created as part of the Pre-Installation steps.
 - Enter the User name
 - Enter the Password

SAP Dat	a Services 4.2 SP7 setup		x
Repository database connection Specify the connection informati new local repository.	on for the database you want to use to c	reate a	
Repository configuration			
Registration name for CMS:	Repo_WIN-6RQH3A9RFI3		
Database type:	Microsoft_SQL_Server		
Databace cerver name			
Database server hame,			
Database port:	1433		
Database name:			
	Windows authentication		
User name:			
Password:		Get <u>V</u> er	sion
	Back Next	Canc	8

b. Oracle

i. The Specify JDBC Driver window opens.

	SAP Data Services 4.2 SP7 setup	– – X
Specify JDBC Driver		
Please specify your JDBC o	lriver file(s)	
- JDBC Driver File(s):		
		Browse
, Your have selected eithe please browse to select y connection for you.	r Oracle or MySQL as your Data Services repo /our JDBC driver files, the installer will validate	sitory database type, the repository
	Back	t Cancel

ii. Select the Browse button to navigate to the directory where the JDBC drivers are installed. Select the driver.

SAP Data Ser	vices <mark>4</mark> .2 SP7	setup		x
Specify JDBC Driver				
Please specify your JDBC driver file(s)				
JDBC Driver File(s):				
C:\app\Administrator\product\11.2.0\clier	nt_1\jdbc\lib\ojdb	c6.jar	Browse	<u>.</u>
Your have selected either Oracle or MySQL please browse to select your JDBC driver fi connection for you.	. as your Data Ser les, the installer v	rvices repository (will validate the re	database typ pository	be,
	Back	Next	Cancel	

Select the Next button.

iii. The Repository Database Connection window opens.

SAP Data	a Services 4.2 SP7 setup	x
Specify the connection information new local repository.	on for the database you want to use to create a	
Repository configuration		
Registration name for CMS:	·	
Database type:	Oracle	
Database server version:	Oracle 11g	
Database server name:		
Database port:	1521	
SID or Service Name:		
User name:		
Password:	Get Version	
	Back Next Cancel	

- Enter the Registration name for CMS. The registration name is the logical name for the repository that will appear in the Central Management Console (CMS) and the client login screens where the repository is selected.
- The Database Type defaults to previously selected value
- Enter the Database server version
- Enter the Database server name
- Enter the Database port
- Enter the SID
- Enter the User name
- Enter the Password

Repository database connection Specify the connection information for the database you want to use to create a new local repository. Repository configuration
Specify the connection information for the database you want to use to create a new local repository.
Repository configuration
Registration name for CMS: REPODA
Database type: Oracle
Database server version: Oracle 11g
Database server name:
Database port: 1521
SID or Service Name: ORCL
User name: REPODA
Password: ***** Get Version
Back Next Cancel

Select the Next button.

The Login Information window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 💌
Login Information
Specify login information for the account that Data Services should use for system services.
Login information
Account used by the Data Services system service.
C Use system account
Use this account: (Recommended)
User: WIN-6RQH3A9RFI3\Admini:
Password:
Back Next Cancel

19. By default, the 'Use this account' option is selected. The Administrator user account is the default value.

If you want to modify administrator information, in the User field, enter the Administrator user name. In the Password field, enter password for the user account.

Select the Next button. The Start Installation window opens.

SAP Data Services 4.2 SP7 setup	_		x
Start Installation			
The installation is ready to install SAP Data Services 4.2 SP7. Click Back to make your installation information.	e chan	ges ti	D
Click Next to begin the installation.			
Back	C	ancel	

- 20. Verify the list of selected installation options. Select the Back button to change any options on any previous window and repeat the steps above.
- 21. Select the Next button to start the installation.

The Updating System window opens and displays the status of process.



22. Once the process completes, the Feature Summary window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 🗙
Feature Summary List of Features that are installed and not installed.
List of Features
Features Installed:
Data Services Job Server Data Services Access Server
Data Services Designer and Workbench Data Services Management Console
Data Services EIM APS Services Data Services Message Client
DataDirect ODBC Drivers Data Services Documentation
Features Not Installed:
Text Data Processing Languages
Back (Next Cancel

23. Select the Next Button.

The Post Installation Steps window opens.



24. Select the Next button.

The SAP Data Services 4.2 SP7 has been successfully installed window opens.



25. Select the Finish button.

The Reboot required window opens.



The #LaunchWDeploy screen displays when Custom installation of Information Platform services is performed.



26. Uncheck the launchWDeploy option and select the customNextButton. The Reboot required window opens



27. Select the Yes button to restart the system immediately.

Select the No button to manually restart the system later.

- 28. Refer to the following Post Installation Steps to complete the installation.
 - <u>To Create or Upgrade Repository</u>
 - Add Repository to Information Platform Services
 - To Verify Version
 - <u>To Resync Job Server and repository</u>

Upgrade Installation

Follow the Upgrade installation instructions if a previous version of Data Analytics was installed even if migrating to a new DA server.

- Copy the Data Services configuration files which were backed up in the <u>Pre-Installation Steps</u> to the new DA Server. Files can be placed in any directory the server in which the installation process will have access to.
 - admin.xml
 - sapconnections.xml
 - as.xml
 - dsconfig.txt
- 2. Extract the installation file named SAP Data Services 4.2 SP07 Sever 64 Bit_51050995_4.zip to the Data Analytics server.

Files must be downloaded as part of the Pre-Installation step.

- 3. Double click the Setup.exe in the BD_SAP_DATA_SERVICES_4.2_SP7_MULTI_64B_\DATA_UNITS\DS_42_WIN64 directory. Collaterals 7/6/2016 11:20 AM File folder Documentation 7/6/2016 11:20 AM File folder 🗼 dunit 7/6/2016 11:20 AM File folder 💧 langs 7/6/2016 11:20 AM File folder 🗼 setup.engine 7/6/2016 11:20 AM File folder 🗊 autorun 4/28/2016 8:06 AM Setup Information 1 KB PRODLABEL 4/30/2016 12:49 AM File 1 KB 📄 Productld 4/28/2016 8:03 AM Text Document 1 KB 4/28/2016 8:06 AM Configuration sett... 🗊 response 2 KB 4/28/2016 8:06 AM Application 271 KB 👍 setup 4/28/2016 8:06 AM Configuration sett... 🗊 setup 1 KB SIGNATURE.SMF 5/14/2016 2:42 AM SMF File 603 KB
- 4. The Microsoft Windows installer starts to analyze the setup and the View pre-installation information window opens.



5. Select the Yes button to view the pre-installation overview or select the No button to continue with the installation.

The Data Services 4.2 SP7 Check Prerequisites window opens.

SAP Data Services	4.2 SP7 se	tup 🗕 🗖	x
Check Prerequisites			
Summary of any missing critical or optional prerequi	sites.		
Failed critical dependencies must be addressed befor optional dependencies might result in some compon	ore the installa ents not instal	tion can continue, while fa ling.	iiled
Prerequisite	Туре	Status	~
Microsoft .NET Framework 3.5 or higher	Optional	Succeeded	
Detected Active Processes	Critical	Succeeded	
Existing Data Services version	Critical	Succeeded	=
SAP HostAgent	Optional	Failed	-
Platform Memory Architecture	Critical	Succeeded	
Wicrosoft Windows Version	Critical	Succeeded	
SAP Information platform services	Optional	Succeeded	
SAP Information platform services Version	Critical	Succeeded	
Cannot coexist with 32-bit installation	Critical	Succeeded	\sim
If a prerequisite failed, please click on the failed iter Information: The SAP HostAgent was not detected Services with SLD during installation.	m for informat I. You will not l	ion on how to resolve it. De able to integrate Data	
Back		Next Cancel	

6. All failed prerequisite requirements must be resolved in order to continue with the Data Services installation. The SAP Host Agent dependency failed prerequisite warning can be ignored and installation can continue. The Next button will display when the status of all prerequisites is succeeded.

Select the Next button.

The Microsoft Windows installer starts to analyze the setup and the SAP Data Services 4.2 SP7 Setup window opens.



7. Select the Next button.

The Configure Product Registration window opens.

SAP Dat	a Services 4.2 SP7 se	iup L	
License Agreement			
You must agree to the licensing condit	ions to proceed.		
SOFTWAR	E LICENSE AGREEMENT		
IMPORTANT-READ CAREFULLY: 1 SAP FOR THE SAP SOFTWARE INCLUDE COMPUTER SOFTWARE, ONLINE OR ELECTRONIC DOCUMENT THE INSTALLATION OF THE SOF ACCEPT THE TERMS AND CONDITIO FOLLOWS ("AGREEMENT"). IF YOU THE AGREEMENT, YOU MAY RETU SOFTWARE TO THE PLACE YOU OB	THIS IS A LEGAL AGREEM ACCOMPANYING THIS A ASSOCIATED MEDIA, PF FATION ("SOFTWARE"). E TWARE, YOU MUST REA INS OF THE SOFTWARE LI DO NOT ACCEPT THE TEF RN, WITHIN THIRTY (30) D TAINED IT FOR A FULL REF	IENT BETWEEN GREEMENT, WH RINTED MATERI, BEFORE CONTINU AD, ACKNOWLEI CENSE AGREEMI RMS AND CONDI DAYS OF PURCH UND.	YOU AND IICH MAY ALS AND JING WITH DGE AND ENT THAT ITIONS OF IASE, THE
GRANT OF LICENSE. SAP grants Software products and functionalitie for your internal business purposes this Agreement. The Software is lice a special offer, as a promotional lice in combination with a third party pr	you a nonexclusive and s for which you have paid and in accordance with the nsed, not sold, to you. If you nse included with another (coduct_additional_restriction	limited license t the applicable f ne terms and cor pu acquired this p SAP product, or t s apply as set fi	o use the ees solely nditions of product as pundled or orth in the
I accept the License Agreement			
O I do not accept the License Agree	ment		
	Back	Next	Cancel

8. Enter the SAP Data Services 4.2 Product Key. Select the Next button.

The Configure Destination Folder window opens.

SAP Data Services 4.2 SP7 setup		×
Configure Destination Folder		
Enter the full destination path where the product will be installed.		
Destination Folder Information]
C:\Program Files (x86)\SAP BusinessObjects\	Browse	
		-
Back	Cancel]

9. In the Destination Folder field, enter the destination directory where you want to install Data Services or select the Browse button to navigate to the destination directory location.

The Destination Folder Information defaults when SAP BusinessObjects products are already installed.

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

Ensure the destination folder is not set to the same folder in which the installation program has been extracted.

Select the Next button.

The Configure Data Services Common Directory window opens.

SAP Data Services 4.2 SP7 setup 📃 🗕 🗖 🗙
Configure Data Services Common Directory To change the location for the Data Services (DS) common directory, select the check box Change DS_COMMON_DIR Location and enter or browse to the new location.
Data Services Common Directory
Change DS_COMMON_DIR Location
Location must be a fixed local directory that has sufficient disk space and permissions for all users.
C:\ProgramData\SAP BusinessObjects\Data Services\ Browse
The DS_COMMON_DIR contains configuration files and log files that Data Services components read from and write to during installation, upgrade, and runtime.
Note: The installer moves all folders and sub folders from the existing location to the location that you specify above except for the log folder. Optional: You may manually change the location of the log folder to the new location after upgrade completes by following the post installation instructions.
Back Cancel

10. Select the Next button.

The Select Language Packages window opens.

SAP Data Services 4.2 SP7 setup 📃 🗖 🗙
Select Language Packages
Select all additional Language Packages that the users will interact with in the product.
□Czech ✓English
Dapanese Russian
All Languages
Back Next Cancel

11. Select the appropriate language(s) to install. Select the All Languages checkbox when all languages need to be installed.

Select the Next button.

The Specify CMS Connection Information window opens.

	SAP Data S	iervices 4.2 SP7 setup 📃 💻 🗙	
Specify CMS cor	nection information		
Specify Ce component the CMS.	ntral Management Server ts including the Data Serv	(CMS) administrator login information to configure ices Management Console and all services hosted by	
CSAP BusinessO	bjects Enterprise Server ((CMS)	
Specify	CMS		
	Server		
	System:	WIN-6RQH3A9RFI3	
	Enable SSL:		
	User:	Administrator	
	Password:		
	Authentication mode:	Enterprise	
C Skip CM	5		
If you choose this option, make sure that APS Services, which are required for Data Services (and Information Steward) product usage, are deployed to at least one CMS in your landscape. APS Services and Management Console features cannot be installed by choosing this option, and the installation type will default to 'install without configuration'. This option is typically used for client installation.			
		Back Next Cancel	

12. The CMS server connection information defaults based on the Information Platform Services configuration. The CMS administrator login information may be modified.

SSL is not supported during Data Services Installation.

Select the Next button.

The CMS Service Stop/Start window opens.



13. Select "Yes", to continue with the install and have the Server Intelligent Agent (SIA) servers stopped and restarted.

Select "No", to cancel the installation.

Select the Next button.

The Login Information window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 💌
Login Information
Specify login information for the account that Data Services should use for system services.
Login information
Account used by the Data Services system service.
C Use system account
Suse this account: (Recommended)
User: .\Administrator
Password:
Back Next Cancel

14. By default, the 'Use this account' option is selected. The Administrator user account is the default value.

If you want to modify administrator information, in the User field, enter the Administrator user name. In the Password field, enter password for the user account.

Select the	Next button.
------------	--------------

The Start Installation window opens.

SAP Data Services 4.2 SP7 setup 📃 💻 💌
Start Installation
The installation is ready to install SAP Data Services 4.2 SP7. Click Back to make changes to your installation information. Click Next to begin the installation.
Back Cancel

- 15. Verify the list of selected installation options. Select the Back button to change any options on any previous window and repeat the steps above.
- Select the Next button to start the installation.
 The Updating System window opens and displays the status of process.



17. Once the process completes, the Feature Summary window opens.
| SAP Data Services 4.2 SP7 setup 📃 💻 🗙 |
|--------------------------------------------------------------------------------------------|
| Feature Summary
List of Features that are installed and not installed. |
| |
| List of Features |
| Features Installed: |
| Data Services Job Server
Data Services Access Server |
| Data Services Designer and Workbench
Data Services Management Console |
| Data Services EIM APS Services
Data Services Message Client
Data Direct ODBC Drivers |
| Data Services Documentation |
| Features Not Installed: |
| Text Data Processing Languages |
| |
| |
| |
| Back Cancel |

18. Select the Next button.

The Post Installation Instructions window opens.



19. Select the Next button.

The SAP Data Services 4.2 SP7 has been successfully installed window opens.



20. Select the Finish button.

The Reboot required window opens.



The #LaunchWDeploy option displays when the Custom installation of the Information Platform Services is performed.



21. Uncheck the launchWDeploy option and select the customNextButton. The Reboot required window opens.



- 22. Select the Yes button to restart the system immediately. Select the No button to manually restart the system later.
- 23. Refer to the following Post Installation Steps to complete the installation.
 - Upgrade Repository
 - Add Repository to Information Platform Services
 - To Verify Version
 - <u>To Resync Job Server and Repository</u>
 - <u>To Check Data Services Management Console</u>
 - <u>To Disable Web Service Session Security</u>

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Post Installation Steps

To Check Central Configuration Manager

After the Information Platform Services is installed, it is critical to confirm the Central Configuration Manager (CCM) is accessible and running. Follow the steps in this section to confirm the CCM was installed properly.

1. From the start menu, choose All Programs > SAP Business Intelligence > Information Platform Services 4 > Central Configuration Manager

SAP Business Intelligence

- Information platform services 4
- 🔄 32-bit ODBC Data Source Administrator
- 🛃 Central Configuration Manager
- Information platform services Central Management Console
- 📑 Upgrade management tool
- S WDeploy

The Central Configuration Manager Window opens.

🍻 Central Configuration Manager 📃 🗖 🗙					
♣₽ \$*₽ ▶■∥₽ 8 6	× 🗟 🗟 🛙	8	Computer Name: WIN-6RQH3A9RFI3 💌 English 💌		
Display Name	Version	Status	Description		
Apache Tomcat for BI 4	1.0.15.0	👩 Running			
🗐 Server Intelligence Agent (WIN_6RQH3A9RFI3)	1.0.15.0	👩 Running	Manages BusinessObjects Enterprise Servers		
🗐 World Wide Web Publishing Service	6.3.9600.17415	👩 Running -	Provides Web connectivity and administration through the Internet Information Se		
<		III	>		
Ready					

2. If you have selected the Custom installation while installing IPS then below screen will appear.

•			-
3	Cent	ral Configu	ration Manager 🛛 📃 🗖 🗙
⊕ h 12 12 ▶ = ∥ → 2 3	× ₿₿	1 2 2	Computer Name: English
Display Name	Version	Status	Description
📕 🗐 Server Intelligence Agent (WIN_6RQH3A9RFI3)) 1.0.15.0	👩 Running	Manages BusinessObjects Enterprise Servers
🗐 World Wide Web Publishing Service	6.3.9600.17415	i 👩 Running	Provides Web connectivity and administration through the Internet Information S ϵ
		III	>
Ready			

3. If Central Configuration Manager is not working then follow the following steps

¢

- a. Go to the Start Menu.
- b. Type services.msc in the Search programs and files box and hit the Enter key.
- The Services window opens.

Services							
ile Action View Help							
⊨ 🔿 📰 🖻 📑 👔 🕞 🔳 II 🕨							
🔆 Services (Local) 🔹 😋 Services (Local)							
	Server Intelligence Agent	Name 🔺	Description	Status	Startup Type		
		SAP Data Services	Provides job ser	Started	Automatic		
		🎑 Secondary Logon	Enables starting		Manual		
	Stop the service	🤹 Secure Socket Tunneling Protocol Service	Provides support		Manual		
	Restart the service	🍓 Security Accounts Manager	The startup of t	Started	Automatic		
	L	🧛 Server	Supports file, pri	Started	Automatic		
	Description: Manages BusinessObjects Enterprise	Server Intelligence Agent	Manages Busine	Started	Automatic		
	Servers	🧠 Shell Hardware Detection	Provides notifica	Started	Automatic		
		🍓 Smart Card	Manages access		Manual		
		🧠 Smart Card Removal Policy	Allows the syste		Manual		
		🧠 SNMP Service	Enables Simple N		Disabled		
	1	🧟 SNMP Trap	Receives trap m		Manual		

- c. Check if the service "Server Intelligence Agent" under the name column is present or not.
- d. If the Server Intelligence Agent is present then check if the Service is started or stopped by looking in the Status column of the Server Intelligence Agent.

🔍 Services (Local)	· · · · · · · · · · · · · · · · · · ·		
Server Intelligence Agent	Name 🔺	Description	Status
(CSCAPPNOI053)	🤹 SAP Data Services	Provides job ser	Started
	🎑 Secondary Logon	Enables starting	
Start the service	🤹 Secure Socket Tunneling Protocol Service	Provides support	
	🎑 Security Accounts Manager	The startup of t	Started
Description:	🤹 Server	Supports file, pri	Started
Manages BusinessObjects Enterprise	🤹 Server Intelligence Agent (CSCAPPNOI053) 🚽	Manages Busine	
Dervers	🤹 Shell Hardware Detection	Provides notifica	Started

e. If Status Column is blank for Server Intelligence Agent then start the service by selecting the Start the service link shown below.

Service Control	×
Windows is attempting to start the following service on Local Computer	
Server Intelligence Agent	
	-
(<u>C</u> lose	

- f. After the service gets started check if the Central Configuration Manager is running now by following the step1 in the starting of this section.
- g. If the Server Intelligence Agent is not present under the name column then Installation Platform services needs to be re-installed.

To Check IPS Central Management Console

After the Information Platform Services (IPS) is installed, it is critical to confirm the IPS Central Management Console (CMC) is accessible and running. Follow the steps in this section to confirm the CMC was installed properly.

1. From the start menu, choose All Programs > SAP Business Intelligence > Information Platform Services 4 > Information Platform services Central Management Console

SAP Business Intelligence

Information platform services 4

- 🔄 32-bit ODBC Data Source Administrator
- Central Configuration Manager
- <table-of-contents> Information platform services Central Management Console
- 📑 Upgrade management tool
- S WDeploy

The SAP BusinessObjects Central Management Console Log On window opens.

i <mark>ter your user info</mark> i you are unsure of yo	rmation, and click "Log On". ur account information, contact your syste	ern
ministrator.		
System:	:6400	
User Name:	Administrator	
Password:		
Authentication:	Enterprise	

By default, 'Administrator' displays in the User Name field.
 Enter the User Name and Password. Password will be the Central management server password.

Select the Log On button.

The System Configuration Wizard window opens.



 Select the yellow Close button. The Central Management Console window opens.

📕 📌 Centra	l Management Console 🗙 🔽					
← → C 🗋 localhost:6405/BOE/CMC/140502/admin/App/home.faces?service=%2Fadmin%2FApp%2FappSe						
Centra	al Management Console					
	Organize	D	efine			
	🛅 Folders	8	P Access Levels			
	📷 🛛 Personal Folders		Calendars			
1	陓 Categories	1	Events			
<u>89</u>	👰 🛛 Personal Categories					
	As Users and Groups					
6	🖂 Inboxes					
	😝 Servers					
6	🔲 Query Results					
11	🗧 Temporary Storage					
	The services					
-029						

- 4. This confirms that CMC is working properly.
- 5. Close the CMC.

To Create or Upgrade Repository

The Data Services Repository Manager is used to create or upgrade repository databases. The Full Installation of Data Services 4.2 will automatically create and upgrade the repository database. However, the Install without Configuration installation will not upgrade the repository. Follow the steps in the Create Repository section to create additional repository databases. Follow the steps in the Upgrade Repository section to upgrade an existing repository.

Create Repository

1. From the start menu, choose All Programs > SAP Data Services 4.2 > Data Services Repository Manager.



The SAP Data Services Repository Manager window opens.

💐 SAP Data Services Repository	Manager	×
Repository type:	Local	Create
	Enable Security	Upgrade
Database type:	Microsoft SQL Server	Get Version
	Use data source name (DSN)	Close
Database server name:		Show Details
Database name:	DA_REPOSITORY	
	Windows authentication	
User name:	sa	
Password:	****	

- 2. Enter the database credentials for the Repository database to be created.
- 3. Select the Create button.

Upgrade Repository

After the Data Services environment was upgraded from a previous version of Data Services to Data Services 4.2 SP7, all Repositories need to be upgraded. This is not included as a part of the installation process.

- 1. From the start menu, choose All Programs > SAP Data Services 4.2 > Data Services Repository Manager.
 - SAP Data Services 4.2
 Data Services Designer
 Data Services Locale Selector
 Data Services Management Console
 Data Services Repository Manager
 Data Services Server Manager
 Data Services Workbench
 SAP License Manager
 Data Services Documentation

The SAP Data Services Repository Manager window opens.

Repository type:	Local	Create
	Enable Security	Upgrade
Database type:	Microsoft SQL Server	Get Versio
	🔲 Use data source name (DSN)	Close
		Show Details
Database server name:	1	
Database name:	DA_REPOSITORY	
	Windows authentication	
User name:	sa	_
Password:	****	_

- 2. Enter the database credentials for the Repository database to be upgraded.
- 3. Select the Upgrade button.
- 4. Select the Close button to close the Data Services Repository Manager.

Add Repository to Information Platform Services

When creating new Repository databases or upgrading Repositories from a previous installation of Data Services, the Repositories must be added to the Information Platform Services (IPS) Central Management Console (CMC). The Repositories will not be accessible until added to the CMC.

1. From the start menu, choose All Programs > SAP Business Intelligence > Information Platform Services 4 > Information Platform services Central Management Console

SAP Business Intelligence

- Information platform services 4
- 🔄 32-bit ODBC Data Source Administrator
- 🛃 Central Configuration Manager
- 🐝 Information platform services Central Management Console
- 📸 Upgrade management tool
- S WDeploy

The SAP BusinessObjects Central Management Console Log On window opens.

:6400	
Administrator	
Enterprise	
	:6400 Administrator Enterprise

By default, 'Administrator' displays in the User Name field.
 Enter the User Name and Password. Password will be the Central management server password.

Select the Log On button.

The System Configuration Wizard window opens.



 Select the yellow Close button. The Central Management Console window opens.



The Data Services window opens.

RISKMASTER Accelerator Data Analytics Installation Guide

SAP **Central Management Console** Data Services -Welcome: Administrator | Preferences | Help - | Log Off Manage • Actions ٢ X 2 2 | | | | 1 of 1 → ы Database Host Version Connection Status Туре Database Type Data Services No Items ٢Ÿ ş

5. Select the Filebox icon to configure a new Data Services repository.

Central Management Console

	Data Services 🗾 💌		
	Manage • Actions •		
	🚳 × 🍓		
22	Configure a new Data Services repository	Name	Туре
	L. Penositories		
8			
0			
6			
-98			
TR			

The Add Data Services Repository window opens.

	2
 Microsoft SQL Server	
1433	
No	•
No	
	 Microsoft SQL Server 1433 Nо Nо

- Enter the Description. Select the Database Type. Enter the Database Server Name. Enter the Port. Enter the Database Name. Select the Windows Authentication. Enter the User Name. Enter the Password. Select the Is Profiler Repository.
- 7. Select the Test Connection button to test the repository connection. Select the Save button.

The successfully connected to repository message displays.

from we	ebpage		2
Success	sfully connecte	d to repository.	
	from we	from webpage	From webpage Successfully connected to repository.

8. Select the OK button to close the window.

9. Repository details now display on the Data Services pane.

Name	Туре	Version	Database Type	Database Host	Connection Status	Description
test12	local	14.2.7.0000	Microsoft_SQL_Server	172.31.30.47	Active	test12

To Verify Version

After Data Services is installed, it is critical to confirm the Designer and Repository versions are correct. The Data Services versions after upgrading to Data Services 4.2 SP7 will be:

Designer	– 14.2.7.1156
Repository	- 14.2.7.0000

1. Launch the Data Services Designer Application from the Start menu. Choose All Programs > SAP Data Services 4.2 > Data Services Designer.

🎉 SAP Data Services 4.2					
Data Services Designer					
🚯 Data Services Locale Selector					
뤓 Data Services Management Console					
🗊 Data Services Repository Manager					
🎾 Data Services Server Manager					
🕖 Data Services Workbench					
🐲 SAP License Manager					
🃗 Data Services Documentation					

The Data Services Repository Login Window opens.

🔁 SAP Data Services Repository Login	×
SAP Data Services	
Enter the name of your system (Central Management Server). You also need to specify your user name and password.	
System - host[:port]:	•
User name:	
Password:	
Authentication: Enterprise	-
Log on to the system to get list of local repositories. Log On Select repository to start Designer:	
Repository Read only Description	
OK Cancel	

- 2. Enter the database credentials into the appropriate fields.
 - Database credentials saved from a previous session might be displayed in the fields.
- 3. Select the Log On button.
 - a. If more than one Repository database exists in the Central Management Console (CMS), a window will open listing the Repository databases. Select the appropriate Repository Database and select the OK button.
 - b. The Enter Repository Password window opens when an incorrect password was entered. Enter the correct password and select the OK button.

Repository F	Password 🛛 🔀	<		
Enter repo	psitory password			
Repository: <da_repository> You do not have rights to retrieve the Data Services repository password from the Central Management Server. Contact your administrator for permissions. Enter the password, and click OK to proceed, or click Cancel to select a different repository.</da_repository>				
	OK Cancel			

4. The Start Page for the Data Services window opens.

SAP Data Services Designer - [Start Page]		
i i Project Edit View Tools Debug Window H	elp	
: 🗅 🧀 🗗 🗶 🐚 🛍 🖀 🕷 🚫 🧇 🖬 🐻] 🕾 100% → 🚚 💭 ⊘ ?▶ ⇐ →	🤹 📀 🖳 🛍 🔹 🔩 🔹 🖘 🐝 🖬 🚺 🗃 🖾 🗐
Project Area	SAP Data Serv Designer	ices
	Den Project	
	Create Project	🌄 Data Services Management Console
	Create Datastore	
	D	
	Belease Notes	
	Data Services Community	
	Blueprints	
	Forums on SCN (SAP Community Net	work)
	Technical Manuals	
Designer 😵 Monitor 🛃 Log	Tutorial	
Local Object Library 4 ×		
Project Description		
Coloct the Liele menu		

 Select the Help menu. Select the About Data Services menu item

	Palazce Notes	1	
	Release Notes		
	what's New		
	Technical Manuals		
	T <u>u</u> torial		
	Data Services Community		
	Forums on SCN (SAP Community Network)		
	<u>B</u> lueprints		
	<u>S</u> how Start Page	1	
	About Data Services		
	About SAP Data Services Designer wind	」 ow opens.	
	About SA	P Data Services	
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	AG or an SAP atfiliate company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned es. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~
	AG or an SAP atfiliate company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad Installed package name Data Integrator Professional	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned es. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~
	AG or an SAP artiliate company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad Installed package name Data Integrator Professional	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned es. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~
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	AG or an SAP artiliate company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad Installed package name Data Integrator Professional Component Obsigner	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned es. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~
	AG or an SAP atfiliate company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad Installed package name Data Integrator Professional Component Sobserver Designer	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned es. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~
	AG or an SAP atfiliate company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad Installed package name Data Integrator Professional Component Sobserver SobServer Repository	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned es. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~
	AG or an SAP arhitiste company. SAP and other well as their respective logos are trademarks or affiliate company) in Germany and other countr are the trademarks of their respective companie en/legal/copyright/index.epx#trademark for ad Installed package name Data Integrator Professional Component Designer JobServer JobServer SobServer Repository	SAP products and services mentioned herein as registered trademarks of SAP AG (or an SAP ies. All other product and service names mentioned as. Please see http://www.sap.com/corporate- ditional trademark information and notices.	~

6. Verify the Designer version is 14.2.7.1156 Verify the Repository version is 14.2.7.0000.

To Resync Job Server and Repository

The Data Analytics Job Server and Repository need to be resynchronized each time a repository is created or upgraded in Data Services.

To resynchronize the Job Server and Repository:

- 1. Launch Data Services Server Manager.
- 2. From the Start menu, choose All Programs > SAP Data Services 4.2 > Data Services Server Manager.



The Data Services Server Manager window opens.

Job Server	Access Server SS	L Run-time	e NCS	Miscellaneou	s	
Job Servers c	onfigured to run or					
JobSorvor 1	-	h this computer	r:			
Dopperver_1	-					
_						
	K					
Configura	tion Editor					

 Select the Configuration Editor button. The Job Sever Configuration Editor window opens.

Jo	bb Server Configuration Editor					
1						
	Job Server	Job Server	Support ad	Use SSL pr	Commu	
	JobServer_1	3500	No	Yes		
	N 1					
					<u> </u>	
		Add				
		Edit	1			
)elete				
	Resync w	ith Repository		(ОК	
				198		

4. Select the job server you want to configure.

JO	b Server Lonf	iguration Edito	r		
	Job Server	Job Server	Support ad	Use SSL pr	Commu
	JobServer_1	3500	No	Yes	
	•				F
			- 1		
		Add			
		Edit			
		S-1-1-			
	L	Jelece			
	Becupe u	ith Depository			× 1
	Resync w	an Repusitory			

5. Select the Resync with Repository button. The Job Server Properties window opens.

ob Server Properties	
	Job Server name: JobServer_1
	Job Server port: 3500
Support	adapter, message broker communication:
Use SSL protocol for	adapter, message broker communication: 🔽
	Communication port:
Associated Repositories	Repository Information
_DA_REPOSITORY_	Database type: Microsoft SQL Server
	Use data source name (DSN)
	Database server name:
	Database name: DA_REPOSITORY
	Windows addrenotadon
	Username:
	Password: ************************************
Add Delete	Default repository: 🔽
Edit Resync	Apply Revert
	OK Cancel

- 6. Select the Repository and select the Resync button.
- 7. An SAP Data Services server Manager warning window opens warning that this operation will update the associated repository.

SAP Data	Services Server Manager	×
<u> </u>	This operation updates the associated repository with this local machine information. (BODI-310135)	
	OK Cancel	

8. Select OK to continue.

The Job Server Properties window is activated again.

b Server Properties	
	Job Server name: JobServer_1
	Job Server port: 3500
Support	adapter, message broker communication: 🗖
Use SSL protocol for	r adapter, message broker communication: 🔽
	Communication port:
Associated Repositories	Repository Information
_DA_REPOSITORY_sa	Database type: Microsoft SQL Server
	Use data source name (DSN)
	Database server name:
	Database name: DA_REPOSITORY
	Windows authentication
	Username: sa
	Password: *******
Add Delete	Default repository:
Edit Resvor	Anniv Revert
1309y110	
Please provide password for the repository \lhd	_DA_REPOSITORY_sa>.
	OK Cancel

- 9. In the Password field, enter the password for the user account displayed in the Username field (The 'sa' account shown here is only an example).
- 10. Select the Apply button.

The Job Server Properties window will close and the Job Server Configuration Editor window opens.

Ja	b Server Confi	iguration Edito	r		
	Job Server	Job Server	Support ad	Use SSL pr	Commu
	JobServer_1	3500	No	Yes	
	•				
		Add	1		
		Edit			
	[elete			
	Resync w	ith Repository		(ж 📋
1					

- 11. Select OK.
- 12. The SAP Data Services Server Manager window opens.

🖥 SAP Data Services Server Manager	
Job Server Access Server SSL Run-time NCS Miscellaneous	
Job Servers configured to run on this computer:	
JobServer_1	
Configuration Editor	
Close and Restart	Close

13. Select the Close and Restart button.

The Data Services Server Manager message window opens to confirm the service restart. This message only displays when a configuration was added or modified.

 SAP Data Services Server Manager

 You have changed the configuration values. The Data Services

 Service must be restarted.

 If you click OK, you must restart the service manually from Control

 Panel -> Administrative Tools -> Services. (BODI-310040)

 OK
 Cancel

14. Select the OK button.

The Data Services Server Manager window closed.

To Check Data Services Management Console

After Data Services is installed, it is critical to confirm the Data Services Management Console is accessible and running. Follow the steps in this section to confirm the Management Console was installed properly.

Note: If the Custom Information Platform Services Installation is preformed then the Data Services Management Console will not appear in the start menu list as shown below. Please refer to the <u>To Deploy</u> <u>the Web Applications</u> steps for deploying the Data Services Management Console.

1. From the start menu, choose All Programs > SAP Data Services 4.2 > Data Services Management Console.



The Data Services Management Console window opens.

N	anagement Console	
og On to ti	e Data Services Management Console	
Enter your us (If you are ur	r information and click Log On. Sure of your account information, contact your system administrator.)	
	System:	
	System: User Name: Administrator	
	System: User Name: Administrator Password:	
	System: User Name: Administrator Password: Authentication: Enterprise	

2. In the User Name and Password fields, enter the login credentials.

<u>Note</u>: By default, enter 'admin' in the User Name and Password fields.

3. Select the Login button.

If the Login window does not display, follow the steps below to manually deploy Tomcat. If using WebLogic, refer to the <u>To Deploy the Web Applications</u> section in this document.

- a. Open a Command Prompt window.
- b. Navigate to the C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\wdeploy folder.
- c. Execute the following four commands:
 - i. wdeploy tomcat8 predeployall
 - ii. wdeploy tomcat8 -DAPP=DataServices deploy
 - iii. wdeploy tomcat8 -DAPP=webservice deploy
 - iv. wdeploy tomcat8 -DAPP=doc deploy
- d. Recheck if the Management Console is working.

To Disable Web Service Session Security

The Data Services installation sets the web service session security to enable. The Riskmaster DA Templates do not use the web service session security and therefore it must be disabled. Follow the instructions below to disable the web service session security.

1. From the start menu, choose All Programs > SAP Data Services 4.2 > Data Services Management Console.

SAP Data Services 4.2	
🭳 Data Services Design	her
🗾 🐻 Data Services Locale	Selector
📃 🎆 <u>Data Services Manac</u>	gement Console
📑 Data Services Repos	itory Manager
🎁 Data Services Serve	r Manager
🗾 🕖 Data Services Workb	bench
👷 SAP License Manage	r
📙 Data Services Docun	nentation

The Data Services Management Console window opens.

.og On to t	he Data Services Management Console
0	
Enter your u (If you are ur	ser information and click Log On. nsure of your account information, contact your system administrator.)
	System:
	System: User Name: Administrator
	System: User Name: Administrator Password:
	System: User Name: Administrator Password: Authentication: Enterprise

In the User Name and Password fields, enter the login credentials.
 <u>Note:</u> By default, enter 'admin' in the User Name and Password fields.

Select the Login button.

The Data Services Management Console window opens.





5. Select the Web Services link on the left frame.

The Web	Services	tab o	pens	on the	right	frame.

Administrator Web Services Administrator Web Services Status Web Services Configuration Web Services Status Web Services Configuration Web Services Status Web Services Status Web Services Configuration Published Web Service Operations Select Session Security Batch Job Attributes Operation Name Web Services Select Session Security Batch Job Attributes Operation Name Web Services Select Set Select Session Security Batch Job Attributes Operation Name Web Services Select Set Select Set S	
Web Services Administrator Web Services Status Web Services Configuration Status Published Web Service Operations Status Published Web Service Operations Select + Session Security + Batch Job Attributes + Operation Name + Web Services Published Web Services V Compact_Repo Repo_ Select + Session Security + Batch Job Attributes + Operation Name + Web Services Published Web Services V - Compact_Repo Repo_ Central Repositories V - Export_DOReport Repo_ Profiler Repositories V - Get_BatchJob_List Batch V - Get_BatchJob_Status Batch V - Get_Job Input Format Batch V - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	
Administrator Web Services Status Web Services Configuration Status Published Web Service Operations Published Web Service Operations Status Published Web Service Operations Operation Name ▼ Web Services Status Published Web Service Operations Operation Name ▼ Web Services Status Published Web Service Operations Operation Name ▼ Web Services Status Select ▼ Session Security ▼ Batch Job Attributes ▼ Operation Name ▼ Web Services Status Select ▼ Session Security ▼ Batch Job Attributes ▼ Operation Name ▼ Web Services Select ▼ Session Security ▼ Batch Job Attributes ▼ Operation Name ▼ Web Services Select ▼ Session Security ▼ Set Operation Name ▼ Web Services Repo_ Server Groups ✓ ✓ Set Set Operation Name ▼ Set Operation Name ▼ Repo_ Server Groups ✓ ✓ ✓ Set Set Operation Name ♥ Repo_ Set Operation Repositories ✓ ✓ Get_BatchJob_Status Batch V ✓ ✓ Get_Etror_Log Batc	
Published Web Service Operations Select ↓ Select ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Session Security ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Session Security ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Session Security ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Session Security ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Session Security ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Session Security ↓ Batch Job Attributes ↓ Operation Name ↓ Web ! Select ↓ Server Groups ✓ ✓ Operation Name ↓ Web ! Server Groups ✓ ✓ ✓ Security ↓ Batch Job List Batch Profiler Repositories ✓ ✓ ✓ ✓ Get_BatchJob_RunDs Batch Ø ✓ ✓ ✓ Get_BatchJob_Status Batch Ø ✓ ✓ Get Job Inout Format Batch <th></th>	
Image: Server Groups Image: Server Groups Image: Server Groups Ima	Service Port+
Adapter instances V V Delete_Repo_Objects Repo_ B: #B Server Groups V V Export_DQReport Repo_	_Operations
B P Server Groups Export_DQReport Repo_ Central Repositories ✓ Get_BatchJob_List Batch, B Pofiler Repositories ✓ Get_BatchJob_RunDs Batch, W ✓ Get_BatchJob_Status Batch, V ✓ Get_EatchJob_Status Batch, V ✓ Get_EatchJob_Status Batch, V ✓ Get_Entror_Log Batch, V ✓ Get Job Input Format Batch,	_Operations
→ Central Repositories ✓ ✓ Get_BatchJob_List Batch, ⊕ Pofiler Repositories ✓ ✓ Get_BatchJob_RunDs Batch, ⊕ - M Management ✓ ✓ Get_BatchJob_Status Batch, ♥ ✓ Get_BatchJob_Status Batch, ♥ ✓ Get_Entror_Log Batch, ♥ ✓ Get_Lob Input Format Batch,	_Operations
Image Pointer Repussiones ✓ ✓ Get_BatchJob_RunDs Batch, B→ M Anagement ✓ ✓ Get_BatchJob_Status Batch, ✓ ✓ ✓ Get_EatchJob_RunDs Batch, ✓ ✓ ✓ Get_BatchJob_Status Batch, ✓ ✓ ✓ Get_Error_Log Batch, ✓ ✓ ✓ Get_Job Input Format Batch,	h_Job_Admin
✓ ✓ Get_BatchJob_Status Batch, ✓ ✓ Get_Error_Log Batch, ✓ ✓ Get_batchJob_Status Batch,	h_Job_Admin
✓ Get_Error_Log Batch. ✓ Get Job Input Format Batch	h_Job_Admin
Get Job Input Format Batch	h_Job_Admin
	h_Job_Admin
Get_Monitor_Log Batch	h_Job_Admin
Get_RTMsg_Format Realtin	time_Service_Admin
Get_RTService_List Realtin	time_Service_Admin
Get_Trace_Log Batch	h_Job_Admin
✓ Import_Repo_Object Repo_	_Operations
✓ Run_Batch_Job Batch,	h_Job_Admin
Run_Reattime_Service Reattine	time_Service_Admin
✓ ✓ Stop_Batch_Job Batch	h_Job_Admin
Validate_Repo_Object Repo_	_Operations

- 6. Select the Select All check box to check all the available web services.
- 7. From the drop down list, select the Disable Session Security.

DATA SERVICES MA	NAGEMENT CO	ONSOLE			
🚱 Administrator					
	Web Services				
Administrator	Web Services	Status Web Servi	ces Configuration		
Status B Status Status B Status Status B Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status Status St	Published W Select v S V V V V V V V V V V V V V V V V V V V	eb Service Operation iession Security • • • • • • • • • • • • • • • • • • •	19 Batch Job Attributes ↓	Operation Name + Compact_Repo Delete_Repo_Objects Export_DOReport Get_BatchJob_List Get_BatchJob_RunDs Get_BatchJob_Status Get_Fror_Log Get_Job_Input_Format Get_Monitor_Log Get_RTMsg_Format Get_RTService_List Get_Trace_Log Import_Repo_Object Run_Batch_Job Run_Realtime_Service Stop_Batch_Job Validate_Repo_Object	Web Service Port - Repo_Operations Repo_Operations Batch_Job_Admin Batch_Job_Admin Batch_Job_Admin Batch_Job_Admin Batch_Job_Admin ReatIme_Service_Admin ReatIme_Service_Admin Rebo_Operations Batch_Job_Admin Rebo_Operations Batch_Job_Admin Rebitme_Service_Admin Batch_Job_Admin Rebitme_Service_Admin Batch_Job_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Service_Admin Rebitme_Ser

8. Select the Apply button.

If the task is performed correctly, the Web Services Configuration tab will not display any web services under the Session Security column.



To Confirm the Repository in the Data Services Management Console

Data Services automatically associates the repository with a Job Server and registers the repository in the Data Services Management Console. Follow the steps below to confirm the Repository database(s) are/were added to the Data Services Management Console.

1. From the start menu, choose All Programs > SAP Data Services > Data Services Management Console.



The Data Services Management Console window opens.

	anagement Console
g On to th	e Data Services Management Console
nter vour use	r information and click Log On
f you are uns	sure of your account information, contact your system administrator.)
	System:
	System: User Name: Administrator
	System: User Name: Administrator Password:
	System: User Name: Administrator Password: Authentication: Enterprise
	System: User Name: Administrator Password: Authentication: Enterprise

- 2. In the User Name and Password fields, enter the login credentials.
- **<u>Note</u>:** By default, enter 'admin' in the User Name and Password fields.
- 3. Select the Login button.

The Data Services Management Console window opens.

SAP Data Services Management Console



Manage your production environment including batch job execution, real-time services, Web services, adapter instances, server groups, central and profiler repositories, and more.



Impact and Lineage Analysis

Analyze the end-to-end impact and lineage for Data Services tables and columns and SAP BusinessObjects Enterprise objects such as universes, business views, and reports.



Auto Documentation

View, analyze, and print graphical representations of all objects as depicted in the Data Services Designer including their relationships, properties, and more.



View dashboards of Data Services job execution statistics to see at a glance the status and performance of job executions for one or more repositories over a given time period.



Evaluate the reliability of your target data based on the validation rules you created in your Data Services batch jobs to quickly review, assess, and identify potential inconsistencies or errors in source data.



Data Quality Reports

Operational Dashboard

View and export reports for batch and real-time jobs such as job summaries and data quality transformspecific reports.

 Select the Administrator button. The Administrator window opens.



5. Select the [+] button next to Management node on the left pane and then select Datastore. The list of Datastores displays in the right pane.



- 6. Confirm the Repository datastore is listed.
- 7. If the Repository is not listed, refer to the <u>To Create or Upgrade Repository</u> section of the document.

To Deploy the Web Applications

The Wdeploy cmd tool must be used to deploy the web applications after installation.

Create Archive Files

1. Open a command prompt.

Go to the Start Menu.

Type cmd.exe in the Search programs and files box and hit the Enter key.

2. Go to the SAP Business Objects installation directory by typing the following in the command prompt: cd <SAP Installation directory> and hit Enter.



3. Go to the WDeploy files directory by typing the following in the command prompt and hit enter: cd "SAP Business Objects Enterprise XI 4.0\wdeploy"



- 4. Type the following in the command prompt and hit enter:
 - a. WebLogic wdeploy weblogic11 predeployall
 - b. Tomcat wdeploy tomcat8 predeployall



Wait till the Processing in the command Prompt is done as shown below before proceeding to the Next step.
📾 Administrator: Command Prompt	_ 🗆 ×
Enterprise XI 4.0/wdeploy//workdir/weblogic11/application/webservice	-
Created dir: c:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects rprise XI 4.0\wdeploy\workdir\weblogic11\application\webservice Created dir: c:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects rprise XI 4.0\wdeploy\workdir\weblogic11\application\webservice\WEB-INF Copying 1 file to c:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObj Enterprise XI 4.0\wdeploy\workdir\weblogic11\application\webservice\WEB-INF Deleting directory c:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects s Enterprise XI 4.0\wdeploy\workdir\weblogic11\application\webservice\WEB-INF	Ente Ente jects F bject
_appbuildfilecall:	
postpackageapp:	
predeploy:	
predeployapp:	
BUILD SUCCESSFUL Total time: 4 minutes 40 seconds Ant return code: 0	
c:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise X \wdeploy}_	I 4.0 ▼

- 5. The command will create the files used for setting up and deploying the SAP web applications on the WebLogic and tomcat application server. There will be some web archive files created and will be located in the below mentioned directory.
 - a. WebLogic "SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\wdeploy\workdir\weblogic11\application"
 - b. Tomcat "SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\wdeploy\workdir\tomcat8\application"
- 6. Follow the instructions in the Install Archive Files section below to install the web archive files.

Install Web Archive Files

Weblogic

WebLogic must be installed and a domain must be created before the web applications can be deployed.

1. From the start menu, choose All Programs > Oracle WebLogic > User Projects > base_domain> Start Admin server for Weblogic Server

Please do not close the above shown Command prompt screen as it is necessary for running all web applications deployed on WebLogic.

After the Admin server is started then from the start menu, choose All Programs > Oracle WebLogic
 > User Projects > base_domain> Admin Server Console



The WebLogic Welcome window displays.

	Welcome
Log in to work with the W	ebLogic Server domain
Username:	
Password:	•••••
	Login

3. Enter Username and Password. Select the Login button.

The WebLogic Server Administration Console window displays.

🗋 Home Page - base_domain - 🛛 🗙 📃								
← → C 🗋 cscindae704906:70	001/console/console.portal?_nfpb=true&	_pageLabel =HomePage1						
	Administration Console							
Change Center	Welcome, weblogic							
View changes and restarts	and restarts Home							
Configuration editing is enabled. Future	Home Page							
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources							
Domain Structure	Helpful Tools	General Information						
base_domain	Configure applications	 Common Administration Task Descriptions 						
+-Environment	Configure GridLink for RAC Data Source	 Read the documentation 						
Deployments	Recent Task Status Ask a question on My Oracle Support							
Security Realms	Set your console preferences	Oracle Guardian Overview						
	— Domain Configurations							
	Domain	Services	Interoperability					
	• Domain	Messaging	WTC Servers					
		 JMS Servers 	 Jolt Connection Pools 					
	Environment	 Store-and-Forward Agents 						
	Servers	 JMS Modules 	Diagnostics					
	Clusters	 Path Services 	 Log Files 					
How do I	Virtual Hosts	 Bridges 	 Diagnostic Modules 					
Search the configuration	Migratable Targets	Data Sources	 Diagnostic Images 					
Use the Change Center	Coherence Servers	Persistent Stores	 Request Performance 					
Record WLST Scripts	Coherence Clusters	XML Registries	Archives					
Change Console preferences	Machines	XML Entity Caches	Context					
Manage Console extensions	Work Managers	Foreign JNDI Providers	 SNMP 					
Monitor servers	Startup And Shutdown Classes	Work Contexts						

4. Select Deployments under the Domain Structure sub window in the left pane. The Summary of Deployments pane displays on the right.

ORACLE WebLogic Server®	Administration Console
Change Center	🏠 Home Log Out Preferences 🔤 Record Help 📗
View changes and restarts	Home >Summary of Deployments
Configuration editing is enabled. Future	Summary of Deployments
modify, add or delete items in this domain.	Control Monitoring
Domain Structure base_domain -Environment -Deployments -Services -Security Realms -Interoperability -Diagnostics	This page displays a list of Java EE applications and s (redeployed), or deleted from the domain by first sele To install a new application or module for deployment Customize this table Deployments
	Install Update Delete Start v Stop v
	□ Name ↔ State
How do I	Install Update Delete Start - Stop -

5. Select the Install button on the Control tab.

The Install Application Assistant window displays.

	Administration Console		Ç
Change Center	🔒 Home Log Out Preferences 🔺	Record Help	Welcome, weblogic Connected to: base_doma
View changes and restarts	Home >Summary of Deployments		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant Back Next Finish Cancel	1	
Domain Structure	Locate deployment to install	and prepare for deployment	
base_domain B-Environment 	Select the file path that represent application directory or file in the F Note: Only valid file paths are disp	the application root directory, archive file, exploded archive directory, or application mo ath field. layed below. If you cannot find your deployment files, upload your file(s) and/or confirm	dule descriptor that you want to install. You can also enter the path of the that your application contains the required deployment descriptors.
-Interoperability	Path:	C:\	
⊞-Diagnostics	Recently Used Paths:	(none)	
	Current Location:	cscindae704906 \ C:	
	AVSOELogs Boot DEASAM		
How do I 🖃	DRIVERS		
 Start and stop a deployed Enterprise application 	MSOCache		
Configure an Enterprise application	Oracle		
Create a deployment plan	PerfLogs		
Target an Enterprise application to a server Target the modules in an Enterprise application	Program Files (x86)		
Test the modules in an Enterprise application	ProgramData		
System Status	Recovery		
Health of Running Servers	rmworld		
Failed (0) Critical (0) Overloaded (0) Warning (0)	Temp Users Windows		
UK (1)	Back Next Finish Cancel		

WebLogic Server Version: 10.3.6.0

6. Navigate to the WebLogic application directory using the following path: <Install Directory>\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\wdeploy\workdir\weblogic11\application.

Install Application Assistant	
Back Next Finish Cancel	
Locate deployment to install	and prepare for deployment
Select the file path that represent: application directory or file in the F	s the application root directory, archive file, e 'ath field.
Note: Only valid file paths are disp	olayed below. If you cannot find your deploym
Path:	C:\Program Files (x86)\SAP Busine
Recently Used Paths:	(none)
Current Location:	cscindae704906 \ C: \ Program Files (x86) \
🔍 🍉 DataServices (open di	rectory)
📃 🔍 🎥 dswsbobje (open direct	tory)
AdminTools.war	
🔍 🧕 BOE.war	
🔍 🧕 doc.war	
i webservice.war	
Back Next Finish Cancel	1

- 7. There are six web applications in the WebLogic application directory as shown below. Each of application must be installed separately in any order.
 - DataServices (open directory)
 Sevent directory)
 dswsbobje (open directory)
 AdminTools.war
 BOE.war
 doc.war
 webservice.war
- 8. In the Path field, select the first web application. Select the Next button.

Ir	Install Application Assistant						
[Back Next Finish Cancel						
	Locate deployment to install a	nd prepare for deployment					
	Select the file path that represents I application directory or file in the Pa	the application root directory, archive file, e th field.					
	Note: Only valid file paths are displa	ayed below. If you cannot find your deploym					
	Path:	C:\Program Files (x86)\SAP Busine					
	Recently Used Paths:	(none)					
	Current Location:	cscindae704906 \ C: \ Program Files (x86) \					
	🔍 🎥 DataServices (open dire	ctory)					
	🔍 🔭 dswsbobje (open directo	ry)					
	🔍 🧕 AdminTools.war						
	BOE.war						
	🔍 🧕 doc.war						
	🖲 🧕 webservice.war						
[Back Next Finish Cancel						

The Choose Targeting Style window displays.

Install Application Assistant
Back Next Finish Cancel
Choose targeting style
Targets are the servers, clusters, and virtual hosts on which this deployment will run. There are several ways you can target an application.
Install this deployment as an application
The application and its components will be targeted to the same locations. This is the most common usage.
Install this deployment as a library
Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets runn
Back Next Finish Cancel

9. Select the Install this deployment as an application option. Select the Next button.

The Optional Settings window displays.

install Applicatio	n Assistant
Back Next	Finish Cancel
Optional Settin	ngs
You can modify t	hese settings or accept the defaults
— General ——	
What do you wan	t to name this deployment?
Name:	BOE
— Security —	
What security mo	del do you want to use with this application?
DD Only: Use	only roles and policies that are defined in the deployment descriptors.
Custom Pole	e: Use roles that are defined in the Administration Console: use policies that are defined in
	יא מאר אונגע אין
Custom Role	es and Policies: Use only roles and policies that are defined in the Administration Console.
Advanced: U	se a custom model that you have configured on the realm's configuration page.
— Source acces	sibility
How should the so	urce files be made accessible?
Itee the def:	ults defined by the deployment's targets
Se cie dela	auts defined by the deployment's targets
Recommended sel	ection.
Copy this ap	plication onto every target for me
During deploymen	t, the files will be copied automatically to the managed servers to which the application is targeted.
🔵 I will make t	he deployment accessible from the following location
Location:	C:\Program Files (x86)\SAP BusinessObjects\SAP Busir
Provide the location location.	on from where all targets will access this application's files. This is often a shared directory. You must ensu
Back Next	Finish Cancel

10. Select the optional settings based on your preferences.

Select the Next button.

The Review Your Choices window displays.

Install Application Assistant
Back Next Finish Cancel
Review your choices and click Finish
Click Finish to complete the deployment. This may take a few moments to complete.
— Additional configuration ————————————————————————————————————
In order to work successfully, this application may require additional configuration. Do you want to review
Yes, take me to the deployment's configuration screen.
No, I will review the configuration later.
— Summary
Deployment: C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\
Name: webservice
Staging mode: Use the defaults defined by the chosen targets
Security Model: DDOnly: Use only roles and policies that are defined in the deployment descriptors.
Target Summary
Components 🗞
webservice
Back Next Finish Cancel

 Review the selections and select the Finish button. The Setting for Webservice window displays.

tings for v	vebservice								
rview	Deployment Plar	Configuration	Security	Targets	Control	Testing	Monitoring	Notes]
ave									
Jse this pag	je to view the ins	talled configuration	n of a Web A	pplication.					
ame:	webs	ervice							The name of this application deployment. More Info
ontext Ro	ot: /web:	service							The specific path at which this web application is found by a servlet. Info
ath:	C:\ Pr wdep	rogram Files (x86)\ loy\ workdir\ weblo	SAP Busines	sObjects\ S ation\ webs	AP Busines ervice, wai	sObjects Er	nterprise XI 4.	0\	The path to the source of the deployable unit on the Administration Server. More Info
eploymen	t Plan: (no p	lan specified)							The path to the deployment plan document on Administration Server. Info
taging Mo	de: (not s	pecified)							The mode that specifies whether an application's files are copied from on the Administration Server to the Managed Server's staging area d application preparation. More Info
ecurity Mo	o del: DDOr	lly							The security model specifies how this deployment should be secured. Info
🗄 Deployr Irder:	nent 100								An integer value that indicates when this unit is deployed, relative to deployable units on a server, during startup. More Info
岩 Deployr rincipal Na	nent me:								A string value that indicates what principal should be used when depl file or archive during startup and shutdown. This principal will be used the current subject when calling out into application code for interfac as ApplicationLifecycleListener. If no principal name is specified, then anonymous principal will be used. More Info
ave	d Components								
iodaica di	a components	- 							Showing 1 to 1 of 1 Previou
Name 🚕									Т
🗆 webserv	ice								W. AF
🗆 Web	Services								

Showing 1 to 1 of 1 Previous | Next

- 12. Review the settings. Changes can be made if necessary. Select the Save button to save the webservice settings.
- 13. Select the Testing Tab to Test the URL's for each web application. The Testing tab opens.

Settings for webservice									
Overview	Deployment Plan	Configuration	Security Targets Control			Testing	Monitoring	Notes	
Save									

Use this page to view the installed configuration of a Web Application.

Name:	webservice
Context Root:	/webservice
Path:	C:\ Program Files (x86)\ SAP BusinessObjects\ SAP BusinessObjects Enterprise XI 4. 0\ wdeploy\ workdir\ weblogic11\ application\ webservice. war
Deployment Plan:	(no plan specified)
Staging Mode:	(not specified)
Security Model:	DDOnly
街 Deployment Order:	100
街 Deployment Principal Name:	

```
Save
```

14. URL for specific web application is listed on the testing tab of each web application as shown below.

	Dealer mark Dise	Carl Carl marking	Constant	Touche	Contral	Tastina	Man Service of	Sinks -	
verview	Deployment Plan	Configuration	Security	Targets	Control	rescing	Monicoring	Notes	
Use this pa	ae to test that the (deployment of the	e Web applica	ation compo	onent (WAR	R file) was s	uccessful.		
	2					,			
eployme	nt Tests								
									Showing 1 to 1 of 1 Previous
Name 🚕		Test I	Point					Comn	ments
🗆 webserv	vice								
⊡ webserv /wls-cat	vice :/index.jsp	Classic	ader Analysis	s Tool		_		Classio	pader Analysis Tool on server AdminServer
⊡ webserv /wls-cat default	vice /index.jsp	Classic http://	ader Analysis	s Tool . /web	oservice			Classio Defaul	oader Analysis Tool on server AdminServer It url on server AdminServer

15. Follow the steps above to install the remaining web applications.

- 16. The SAP Information Platform Services (IPS) and Data Services web applications will be deployed to WebLogic once all WebLogic web applications are installed.
- 17. The Data Services Management Console cannot be accessed from the Start menu. It must be accessed using the URL from the Testing tab for the respective web application.

The IPS Central Management Console can be accessed from the Start menu as well the URL found under the Testing tab for the respective web application.

- 18. Listed below are the URLs for the IPS and Data Services Management Consoles. Actual URLs may differ based on preferences selected by the user during installation.
 - a. IPS Central Management Console Default URL: <u>http://Localhost:7001/BOE/CMC</u>
 - b. Data services Management Console Default URL: <u>http://Localhost:7001/DataServices</u>

Tomcat

Tomcat must be installed and a domain must be created before the web applications can be deployed.

1. Type "Tomcat Configuration" in the Search programs and files box and hit the Enter key

The Apache Tomcat Properties window opens.

b Apache Tomcat for BI 4 Properties					
General Log On Logging Java Startup Shutdown					
Service Name: BOEXI40Tomcat					
Display name: Apache Tomcat for BI 4					
Description:					
Path to executable:					
"C:\Program Files (x86)\SAP BusinessObjects\tomcat\bin\tomcat8.exe" //					
Startup type: Automatic 🗸					
Service Status: Started					
Start Stop Pause Restart					
OK Cancel Apply					

- 2. Start the Tomcat server if the Service Status is Stopped otherwise leave it as it is.
- 3. Enter the Display Name and Description fields based on the Tomcat version installed. <Install Directory>\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\wdeploy\conf\config.tomcat8

Navigate to the config.tomcat file using the following paths:
 <Install Directory>\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\wdeploy\conf\config.tomcat8

The config.tomcat file opens.

- 5. Modify the contents of config.tomcat8 file.
 - a. Set as_dir to tomcat installation directory
 - b. Set as_instance to name of a folder in the Tomcat Installation directory/conf/Catalina directory
 - c. Save the file and close.

config.tomcat8 - Notepad
File Edit Format View Help
Business Objects Configuration Utility
as_dir: the installation directory of the application server #as_dir=/home/Tomcat6018 #as_dir=C:\Program Files (x86)\tomcat as_dir=C:\Program Files (x86)\SAP BusinessObjects\tomcat\
as_instance: the application server instance to deploy to (represents the name of a folder in the conf/Catalina directory) #as_instance=localhost as_instance=localhost
#on windows, if tomcat is installed as a service, specify #service name to modify service startup parameters too #as_service_name=Tomcat8 as_service_name=BOEXI40Tomcat
#on windows, when tomcat is installed as a service, the name of the key where the java startup parameters are stored # (there is generally no need to touch this) as_service_key=HKLM\SOFTWARE\Wow6432Node\Apache Software Foundation\Procrun 2.0\\${as_service_name}\Parameters\Java
as_service_key_value: name of the String value where the java startup parameters are stored, in the key pointed to by as_service_key

as_service_key_value: name of the String value where the java startup parameters are stored, in the key pointed to by as_service_ # (there is generally no need to touch this) as service key value=Options

- 6. Type cmd.exe in the Search programs and files box and hit the Enter key.
- 7. Go to the SAP BusinessObjects installation directory by typing the following in the command prompt:

cd <SAP Installation directory> and hit Enter.



8. Go to the WDeploy files directory by typing the following in the command prompt and hit enter: cd "SAP Business Objects Enterprise XI 4.0\wdeploy"

📾 Administrator: C:\Windows\system32\cmd.exe	_ 🗆 🗵				
Microsoft Windows [Version 6.1.7600] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	-				
C:\Users>cd "c:\Program Files (x86)\SAP BusinessObjects"					
c:\Program Files (x86)\SAP BusinessObjects>cd "SAP BusinessObjects Enterpris 4.0\wdeploy"	e XI				
c:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI \wdeploy}_	4.0				
	-				

- 9. Type the following commands in the command prompt one by one and hit enter:
 - a. Tomcat 8

```
wdeploy tomcat8 -DAPP=BOE deploy
wdeploy tomcat8 -DAPP=dswsbobje deploy
wdeploy tomcat8 -DAPP=AdminTools deploy
wdeploy tomcat8 -DAPP=doc deploy
wdeploy tomcat8 -DAPP=DataServices deploy
wdeploy tomcat8 -DAPP=webservice deploy
```

10. Wait till the processing in the command prompt is complete as shown below before proceeding to the next step.

🖬 Administrator: Command Prompt 📃 🗖 🗙
RePackaging Deleting directory C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObject s Enterprise XI 4.0\wdeploy\workdir\tomcat8\application\BOE
postpackageapp:
predeploy:
predeployapp:
deploy:
deployapp: Copying 1 file to C:\Program Files (x86)\Apache Software Foundation\Tomcat 8.0\w ebapps\BOE\META-INF Configuring Tomcat as a service
serialize_conf:
BUILD SUCCESSFUL Total time: 3 minutes 43 seconds Ant return code: 0
C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0 \wdeploy>_

11. Close command prompt window after all commands are run.

12. Tomcat Manager to manage the Tomcat web applications can be accessed using the URL mentioned below.

Default URL: <u>http://Localhost:8080/manager/html</u>

The Authentication Required window opens.

×					
The server http://127.0.0.1:8080 requires a username and password. The server says: Tomcat Manager Application.					
admin					
	×				

13. Enter the User Name and Password fields for Tomcat Manager Application. Select the Log In button.

Tomcat Web Application Manager Window opens.

/ 😹 /manager	×				
← → C 🗋 122	7.0.0.1:8080/manag	er/html			Q 🏠 🔳
Softwar	The Apac re Founda ww.apache.c	he tion			
		Tomcat Web A	pplicatio	n Manage	ər
Message: 0	К				
Managar					
List Applications		HTML Manager Help			Manager Help Server Status
		· · · · ·		-	
Applications Path	Version	Disnlay Name	Running	Sessions	Commands
				000010110	Start Stop Reload Undeploy
L	None specified	Welcome to Tomcat	true	<u>0</u>	Expire sessions with idle ≥ 30 minutes
			true	Q	Start Stop Reload Undeploy
Adminicols	None specified	SAP BusinessObjects Admin Tools			Expire sessions with idle a 20 minutes
IDOE	None specified	POF	true	Q	Start Stop Reload Undeploy
<u>BOE</u>		BOE			Expire sessions with idle ≥ 20 minutes
/DataServices	None specified		true	Q	Start Stop Reload Undeploy
	None apecilieu				Expire sessions with idle ≥ 120 minutes
/docs	None specified	Tomcat Documentation	true	Q	Start Stop Reload Undeploy
					Expire sessions with idle ≥ 30 minutes
/dswsbobje	None specified	dsws2	true	Q	Start Stop Reload Undeploy
					Expire sessions with Idle ≥ 30 minutes
<u>/examples</u>	None specified	Servlet and JSP Examples	true	D	Start Stop Reload Undeploy
					Start Stap Peload Lindeniov
<u>/host-manager</u>	None specified	Tomcat Host Manager Application	true	D	Expire sessions with idle ≥ 30 minutes
					Start Stop Reload Undeploy
<u>/manager</u>	None specified	Tomcat Manager Application	true	3	Expire sessions with idle ≥ 30 minutes
A	Along and Mark				Start Stop Reload Undeploy
webservice	None specified		Inde	<u> </u>	Expire sessions with idle ≥ 30 minutes
Deploy					
Deploy directory or WA	R file located on server				

All the web applications can be accessed using the links given on the Tomcat Web Application Manager page under the path column on the Applications table.

Applications						
Path	Version	Display Name				
Ĺ	None specified	Welcome to Tomcat				
<u>/AdminTools</u>	None specified	SAP BusinessObjects Admin Tools				
<u>/BOE</u>	None specified	BOE				
<u>/DataServices</u>	None specified					

14. The Data Services Management Console cannot be accessed from the Start menu. It must be accessed using the URL mentioned below.

The IPS Central Management Console can be accessed from the Start menu as well the URL as mentioned below.

- 15. Listed below are the URLs for the IPS and Data Services Management Consoles. Actual URLs may differ based on preferences done in tomcat
 - a. IPS Central Management Console Default URL: http://Localhost:8080/BOE/CMC
 - b. Data services Management Console Default URL: <u>http://Localhost:8080/DataServices</u>