

Oracle Health Insurance Back Office

Configuring the Remote Data Connector (RDC) for BI Cloud Service (BICS)

Version 1.0

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CHANGE HISTORY

Release	Version	Changes
10.17.1.4.0	1.0	Creation (cta13682.doc)

RELATED DOCUMENTS

A reference in the text (**doc**[**x**]) is a reference to another document about a subject that is related to this document. Below is a list of related documents:

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1 Introduction

The BICS Remote Data Connector (RDC) was released in March 2016. It allows reports and analyses in BI Cloud Service (BICS) to directly connect to an On-Premise Oracle Database. When a report is run, a SQL request is generated by BICS and sent to the on-premise Weblogic server. Weblogic sends that request to the on-premise database, and then compresses the results before returning those to BICS where it is displayed. This gives customers with large on-premise data sets the ability to use BI Cloud Service without having to push all of that data to the cloud.

This guide is used to setup the RDC for an Oracle Health Insurance Back Office environment. The official Oracle RDC software and documentation, including a getting started guide, can be found here:

http://www.oracle.com/technetwork/middleware/bicloud/downloads/index.html

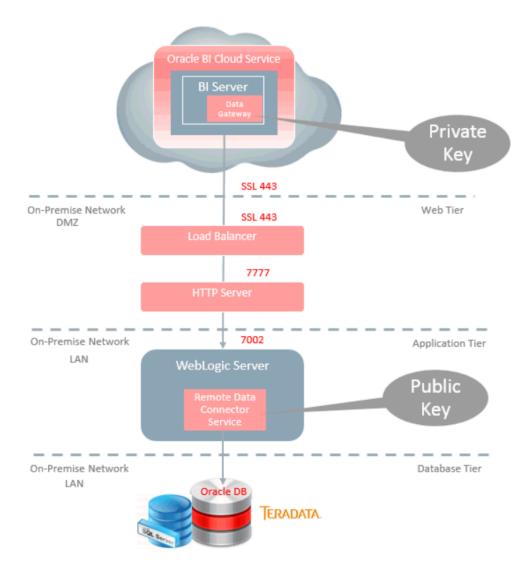
1.1 Prerequisites

Before you set up Oracle BI Cloud Service Remote Data Connector, make sure that your environment meets these requirements:

- Weblogic server running in the On-Premise environment. Several instructions on the Oracle Health Insurance Back Office library can be found which will help you on how to install a weblogic server;
- Obtain the public IP and domain name;
- Download the Oracle BI Cloud Service Remote Data Connector WAR file (obiremotedataconnector.war) from OTN;
- Configure your load balancer or HTTP server for SSL communication. Knowledge of networking, security and firewalls is preferrable. The On-Premise weblogic server needs to be accessible externally, and the port defined in the RPD connection needs to correctly route to the weblogic server port;
- Download and install Oracle Business Intelligence Developer Client Tool;
- OHI_BAC_USER is created in the OHIBO and OHIDM database (M-5008);
- The BI Admin tool used to create the RPD must be 12c. Prior versions do not offer the JDBC (JNDI) Data Source option that is required for this process.

1.2 Architecture

Each Oracle BI Cloud Service instance is provisioned with a unique private key. A public key is available for download from Oracle BI Cloud Service Console. This public key when deployed on-premises in Remote Data Connector enables Remote Data Connector to verify the authenticity of a query received from a BI Server in Oracle BI Cloud service. SSL configured on-premises at a Load Balancer or HTTP servers provides secure access to on-premises data. This diagram shows a typical on-premises network architecture. Contact your network administrator for additional details about your network configuration.



2 Configure Weblogic

This chapter describes the installation of the RDC application into weblogic.

2.1 Deploy war file

 Download the War file application to be installed into Weblogic and save to a file location that is accessible to the server where Weblogic is running. This War file is available on OTN and is called 'BICS Remote Data Connector'

http://www.oracle.com/technetwork/middleware/bicloud/downloads/index. html

2. Copy the downloaded .zip file to the weblogic server and unzip. In the examples version 1.2 is used.



 Log in to Weblogic. Navigate to "Deployments" > "Install". Select the obiremotedataconnector-weblogic-v1-2.war file. Hit 'Next' to continue.

Install Application Assistant				
Back Next Finish Cancel				
Locate deployment to install and prepare for deployment				
Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descr				
Note: Only valid file paths are displayed below. If you cannot find your deployment files, Upload your file(s) and/or confirm that your				
Path:	/ohi/envBase/RDC/obi-remotedataconnector-weblogic-v1-2.war			
Recently Used Paths:	/ohi/envBase/BCIMPL01/ohiBase/java			
	/ohi/envBase/patch/10.16.2.2.0/java			
	/ohi/envBase/patch/10.16.2.3.0/java			
	/home/ilieberw/ozg_rcs			
Current Location: slc10udv.us.orade.com / ohi / envBase / RDC				
obi-remotedataconnector-tomcat-v1-2.war				
obi-remotedataconnector-weblogic-v1-2.war				
Back Next Finish Cancel				

4. Select 'Install this deployment as an application'. Hit 'Next' to continue.

Install Application Assistant				
Back Next Finish Cancel				
Choose installation type and scope				
Select if the deployment should be installed as an application or library. Also decide the scope of this d	eployment.			
The application and its components will be targeted to the same locations. This is the most common usag	je.			
Install this deployment as an application				
Application libraries are deployments that are available for other deployments to share. Libraries should	be available			
Install this deployment as a library				
Select a scope in which you want to install the deployment.				
Select a scope in which you want to install the deployment. Scope: Global				

5. Select the target managed server. In the example MS_SVLIMPL01 is used. Hit 'Next' to continue.

Install Application Assistant					
Back Next Finish Cancel					
Select deployment targets					
Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).					
Available targets for obi-remotedataconnector-weblogic-v1-2 :					
Servers					
AdminServer					
MS_SVLIMPL01					

6. Make sure 'DD only' and Use the defaults defined by the deployment's targets' is selected and hit 'Finish'.

Install Application Assistant			
Back Next Finish Cancel			
Optional Settings			
You can modify these settings or accept the defaults.			
* Indicates required fields			
— General —			
What do you want to name this deployment?			
* Name: obi-remotedataconnector-weblogic			
— Security —			
What security model do you want to use with this application?			
DD Only: Use only roles and policies that are defined in the deployment descriptors. N			
\odot Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.			
\bigcirc Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.			
\bigcirc Advanced: Use a custom model that you have configured on the realm's configuration page.			

7. Activate the changes if the weblogic server is in 'Production' mode.

ORACLE' WebLogic Server Administration Console 12c

Change Center	🚹 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >Summary of Deployments
Pending changes exist. They must be activated to take effect.	Messages
Activate Changes	${}^{\!$
Undo All Changes	Summary of Deployments

8. Start the deployment.

Summary of Deployments					
Confi	guration	Control	Monitoring		
This page displays the list of Java EE applications and standalone application modules installed to this domain. You can start and stop applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this pag					
Dep	loyment	5			
Sta	art ∽ St	op 🗸			
	Name «	~			State
	. HSL_	POL (v4.15))		Active
	. HSL_	REL (v4.8)			Active
V	🗄 obi-re	emotedatac	onnector-weblo	gic-v1-2	Prepared
	€ SIC_	OOZWEBSE	RVICEJ		Active
	€ SIC_	OOZWEBSE	RVICES		Active
	state-ma	anagement-p	provider-memoi	y-rar	Active
	E SVLB	OWS (v4.37	74)		Active
Start v Stop v Servicing all requests					

Start Application Assistant				
Yes No				
Start Deployments				
You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel. obi-remotedataconnector-weblogic-v1-2 				
Yes No				

9. The Remote Desktop Connector has metadata security built in. To fully verify the application is working, and to connect to it through the BI Admin tool, this security will need to be temporarily disabled. Shutdown the Weblogic Server, and then in the same command shell or shell script used to start weblogic – set this variable:

export DISABLE_RDC_METADATA_SECURITY=1

Then re-start the Weblogic admin or managed server (depending on where you deployed the .war file).

10. To confirm the Remote Desktop Connector was installed correctly, navigate to this path:

"http://<weblogic-server>:<weblogic-managed serverport>/obiee/javads?status".

- <javadsserver></javadsserver>	
- <services></services>	
<service nam<="" td=""><td>e="oracle.bi.datasource.service.DatasourceService" processor="oracle.bi.datasource.service.DatasourceServiceProcessor"/></td></service>	e="oracle.bi.datasource.service.DatasourceService" processor="oracle.bi.datasource.service.DatasourceServiceProcessor"/>
- <cartridges></cartridges>	
- <cartridge n<="" td=""><td>ame="JDBC" uuid="fd35144d-26f1-491e-936e-17039604fec6" version="12.1"></td></cartridge>	ame="JDBC" uuid="fd35144d-26f1-491e-936e-17039604fec6" version="12.1">
<connector< td=""><td>r name="JDBC (Direct Driver)" uuid="5e9ffb28-b5ce-4201-b1a6-8f9f585389ea" version="12.1"/></td></connector<>	r name="JDBC (Direct Driver)" uuid="5e9ffb28-b5ce-4201-b1a6-8f9f585389ea" version="12.1"/>
<connector< td=""><td>r name="JDBC (JNDI)" uuid="b41b07f5-7c55-4adf-8c51-ebe9a09b37f7" version="12.1"/></td></connector<>	r name="JDBC (JNDI)" uuid="b41b07f5-7c55-4adf-8c51-ebe9a09b37f7" version="12.1"/>
<connector< td=""><td>r name="JDBC (BIJDBC)" uuid="b41b07f5-7c55-4adf-8c51-ebe9a23b37f4" version="12.1"/></td></connector<>	r name="JDBC (BIJDBC)" uuid="b41b07f5-7c55-4adf-8c51-ebe9a23b37f4" version="12.1"/>
- <configsources< td=""><td>></td></configsources<>	>
- <serviceprop< td=""><td></td></serviceprop<>	
#DatasrcSer	ver/src/jdbc-only-serviceprocessor.properties oracle.bi.datasource.service.DatasourceServicle?oracle.bi.datasource service.DatasourceServiceProcesso
<td>perties></td>	perties>
– <cartridgepr< td=""><td>operties></td></cartridgepr<>	operties>
#DatasrcSer	ver/src/jdbc-only-cartridges.properties.jdbc=oracle.bi.datasource.jdbc.JDBCCartridge
<td>roperties></td>	roperties>
<td></td>	

If you see this message, the security was not disabled in the previous step.

Error 401--Unauthorized

From RFC 2068 Hypertext Transfer Protocol -- HTTP/1.1:

10.4.2 401 Unauthorized

The request requires user authentication. The response MUST include a WWW-Authenticate header field (section 14.46) resource. The client MAY repeat the request with a suitable Authorization header field (section 14.8). If the reques 401 response indicates that authorization has been refused for those credentials. If the 401 response contains the s agent has already attempted authentication at least once, then the user SHOULD be presented the entity that was give relevant diagnostic information. HTTP access authentication is explained in section 11.

2.2 Create data source

Multiple data sources can be setup. Use the following process for each and use a unique name. The connection to each data source would then be defined in the RPD connection.

1. Within the Weblogic Administration Console, expand 'Services' and 'Data Sources' and select 'New' to create a new data source. If running in production mode, press 'Lock&Edit' first.

Change Center	Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >Summary of JDBC Data Sources >Summary of Serv
Configuration editing is enabled. Future	Summary of JDBC Data Sources
changes will automatically be activated as yo modify, add or delete items in this domain.	Configuration Monitoring
Domain Structure webcenter	A JDBC data source is an object bound to the JNDI tree source on the JNDI tree and then borrow a database co

2. Select 'Generic Data Source' in the options:

Summary of JDBC Data Sources				
Configuration M	lonitoring			
A JDBC data source is an object bou This page summarizes the JDBC data				
Customize this table				
New 🗸 Delet	е			
Generic Data Sou	Generic Data Source			
GridLink Data Source				
Multi Data Source				
U jndi-datasource				

3. Enter a Name for the Data Source and a JNDI Name, and the database type. In the initial release of the RDC tool, 'Oracle' is the only supported Database type. In future releases this will be expanded to other vendors. Note – the JDNI Name forms part of the URL used to access the data source, so try to avoid spaces and other characters that may cause problems with the URL. Hit 'Next' to continue.

Home >Summary of Deployments >Summary of Servers >Summary of JDBC Data Sources

I data source. JDBC Data Source BICS BCIMPL01
JDBC Data Source BICS BCIMPL01
Global 💌
Global 💌
ta Source?
Oracle 💌
UT due

- 4. For the Database Driver select the appropriate driver for the On-Premise Oracle Database. In the initial release, the following options are currently supported:
 - Oracle's Driver (Thin) for Instance Connections;
 - Oracle's Driver (Thin) for RAC Service-Instance Connections;
 - Oracle's Driver (Thin) for Service Connections;

In this case the 'Oracle's Driver (Thin) for Service Connections' is selected.

reate a New JDBC Data Source	
Back Next Finish Cancel	
JDBC Data Source Properties	
The following properties will be used	to identify your new JDBC data source.
Database Type:	Orade
What database driver would you like t	o use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle
Database Driver:	*Oracle's Driver (Thin) for Service connections; Versions:Aly
	*Oracle's Driver (Thin XA) for Application Continuity; Versions:Any
Back Next Finish Cancel	*Oracle's Driver (Thin XA) for Instance connections; Versions:Any
	*Oracle's Driver (Thin XA) for RAC Service-Instance connections; Versions:Any
	*Oracle's Driver (Thin XA) for Service connections; Versions:Any
	*Oracle's Driver (Thin) for Application Continuity; Versions:Any
	*Oracle's Driver (Thin) for Instance connections; Versions:Any
	*Oracle's Driver (Thin) for RAC Service-Instance connections; Versions:Any
	*Oracle's Driver (Thin) for Service connections; Versions:Any
	*Oracle's Driver (Thin) for pooled instance connections; Versions: Any
	DataDirect's Oracle Driver (Type 4 XA) Versions: Any
	DataDirect's Oracle Driver (Type 4) Versions:Any
	Other

5. Keep the default options for the 'Supports Global Transactions' and 'One-Phase Commit' and hit 'Next'.

Create a New JDBC Data Source
Back Next Finish Cancel
Transaction Options
You have selected non-XA JDBC driver to create database connection in your new data source.
Does this data source support global transactions? If yes, please choose the transaction protocol for
✓ Supports Global Transactions
Select this option if you want to enable non-XA JDBC connections from the data source to participate i transaction optimization. Recommended in place of Emulate Two-Phase Commit.
○ Logging Last Resource
Select this option if you want to enable non-XA JDBC connections from the data source to emulate par if your application can tolerate heuristic conditions.
O Emulate Two-Phase Commit
Select this option if you want to enable non-XA JDBC connections from the data source to participate i processing. With this option, no other resources can participate in the global transaction.
One-Phase Commit
Back Next Finish Cancel

6. Enter the appropriate values for the On-Premise Oracle Database. Use the ohi_bac_user as the 'database user name'. Hit 'Next' to continue.

Create a New JDBC Data Source					
Back Next Finish Cancel					
Connection Properties					
Define Connection Properties.					
What is the name of the database you would like to connect to?					
Database Name:	bcimpl01				
What is the name or IP address of the database server?					
Host Name:	slc10udv.us.oracle.com				
What is the port on the database server used to connect to the database?					
Port:	1521				
What database account user name do you want to use to create database connect	ions?				
Database User Name:	ohi_bac_user				
. What is the database account password to use to create database connections?					
Password:	•••••				
Confirm Password:	•••••				
Additional Connection Properties:					
oracle.jdbc.DRCPConnectionClass:					
Back Next Finish Cancel					

7. Make sure the configuration is correct, then 'Test Connection'. If the connection is successful, click 'Next'

Messages					
Connection test succeeded.					
Create a New JDBC Data Source					
Test Configuration Back Next Finish Cancel					
Test Database Connection					
Test the database availability and the connection properties y	you provided.				
What is the full package name of JDBC driver class used to cre	ate database connections in the connection pool?				
(Note that this driver class must be in the classpath of any ser	ver to which it is deployed.)				
Driver Class Name: oracle.jdbc.OracleDriver					
What is the URL of the database to connect to? The format of the URL varies by JDBC driver.					
URL:	jdbc:oracle:thin:@//slc10udv.us.oracle.com:1521/bcim				
What database account user name do you want to use to create database connections?					
Database User Name:	ohi_bac_user				
What is the database account password to use to create data	base connections?				
(Note: for secure password management, enter the password	in the Password field instead of the Properties field below)				
Password:	•••••				
Confirm Password:					
	•••••				

What are the properties to pass to the JDBC driver when creating database connections?

8. On the final configuration screen, select the Target to deploy the JDBC data source. In this case we use the MS_SVLIMPL01 managed server. Hit 'Finish' to complete the configuration.

Create a New JDBC Data Source
Back Next Finish Cancel
Select Targets
You can select one or more targets to deploy your new JDBC data source. If you don't selec
Servers
AdminServer
MS_SVLIMPL01
Back Next Finish Cancel

9. Activate the changes if the weblogic server is in 'Production' mode.

Change Center	🚹 Home Log Out Preferences 🔛 Record Help
View changes and restarts	Home >Summary of Deployments >Summary of Servers >Summary of JDBC Data Sources
Click the <i>Lock & Edit</i> button to modify, add or delete items in this domain.	Messages ✓ All changes have been activated. No restarts are necessary.
Lock & Edit	Summary of JDBC Data Sources
Release Configuration	Configuration Monitoring

2.3 Download and deploy public key

Within the Service Console for BICS, Select the 'Database Connections' tab, and then 'Get Public Key'.

ed In As	-
Get Pul	blic Key
ur service and other databases that you c	reate
	r service and other databases that you cr

Save the key on the weblogic server in the following path: \$DOMAIN_HOME/rdc_keys/<deployment_name>

The <deployment_name> is 'obi-remotedataconnector' by default. In our example, the path is /ohi/envBase/mwdata/domains/OHISVL/rdc_keys/obi-remotedataconnector-weblogic-v1-2.



The name of the 'pem' file is not important. The tool will read all 'pem' files in the directory. If a single on-premise weblogic server is being used for multiple BICS instances (for instance a 'Dev' and 'Production'), then both of the 'pem' keys should be saved here. As long as the file type is left as '.pem', then they will both be read and used, no matter what the file is renamed to.

3 Setup RPD

This chapter describes the setup of the RPD and publish the file to BICS.

3.1 Setup RPD connection

1. Download the Oracle Business Intelligence Developer Client Tool

http://www.oracle.com/technetwork/middleware/bicloud/downloads/index. html

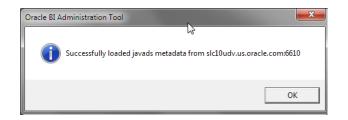
2. Open the 12c Admin Tool but **Do NOT Open the Existing On-Premise RPD**. Under the 'File' menu, select 'Load Java Datasources'. If this option is not available, the Admin Tool is not the correct version.

File	Edit	View	Manage	Tools	Diagram	Window Help
Ne	ew Rep	ository			Ctrl+	N 1 1 1 1 1 1 1
0	pen					•
М	ultiuser	L.				 iness Model at
So	urce C	ontrol				BI
CI	ose					
Sa	Ve				Ctrl+	S E FACT
Sa	ve As					•
Co	opy As					►
Cł	nange P	asswo	rd	-	-	
Lo	ad Java	a Datas	ources			
Pr	int Prev	/iew				
Pr	int					
Im	nport M	letadat	a			
Co	ompare					

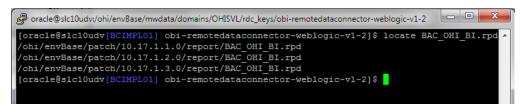
3. Enter the Host Name / IP address, port, and user that can connect to the weblogic server where the RDC was installed. NOTE – this hostname or IP does not need to be available externally. This is just used to load the Java Datasource in the RPD for this step.

In this example, the port of the managed server is used.

Connect to Java Datasource Server					
Hostname:	slc10udv.us.oracle.com	ОК			
P <u>o</u> rt:	6610	Cancel			
<u>U</u> ser:	weblogic	Help			
Password:	•••••				



4. Open the RPD file which is delivered in the patch directory of OHI Back Office.

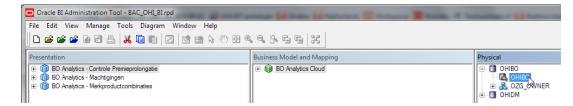


Oracle BI Administration Tool			A school of the local diversion of
File Tools Help			
New Repository	Ctrl+N	,	🖪 📾 📾 🔈 🖑 🗛 🤅
Open		Þ	Offline Ctrl+F MDS XML Ctrl+M
Multiuser		۲	MDS XML Ctrl+M
Load Java Datasources			Online Ctrl+L

Enter the password.

Oracle BI Administration Tool	ance series Plat 1 Add 11 Add 12Ad	
File Tools Help		
🛛 🗅 🖆 📽 🖨 🖨 📇 🗮 🛍 🔂 🖑 🕮	4 4 5 6 6 X	
	Open Offline BAC_OHI_BLrpd	
	Repository Password: OK	
	Cancel	
	Help	
Oracle BI Administration Tool - BAC_OHI_BI.rpd	and series / to I had 11 had party	And Annal Avenue, or
File Edit View Manage Tools Diagram Window Help		
📗 🗅 📽 📽 😭 🗂 📇 😽 🖬 🛍 🔓 💼 🕼 😰 🔯 📾 🗞 🖑 🕀 🤅	1. 9. 5. 5. 6. H	
Presentation	Business Model and Mapping	Physical
BO Analytics - Controle Premieprolongatie	BO Analytics Cloud	
BO Analytics - Machtigingen		E- DI OHIDM

5. Click on the OHIBO physical environment



_ 0 X

6. The connection pool setup is opened.

nnection Pool - OHIB	0		
General Connection S	cripts XML Write Back	Miscellaneo	us
Name: OHIBO			Permissions
Call interface:	Default (OCI 10g/11g)		-
Maximum connections	10 🛨		
🔲 Require fully qualifi	ed table names		
Data source name:	BO		
Shared logon			
User name:	ohi_bac_user	Password:	
Enable connection	pooling		
Timeout:	5		(minutes) 💌
Use multithreaded	connections		
Parameters support	ted		
Isolation level:	Default		▼
Description:			
			<u>^</u>

Change the 'Call interface' to JDBC (JNDI).

Connection Pool - OHIBC			x
General Connection Sci	ipts XML Write Back Miscellaneo	ous	
Name: OHIBO		Permission	s
Call interface:	Default (OCI 10g/11g)		•
Maximum connections:	Default (OCI 10g/11g) ODBC 2.0		
Require fully qualifier			
Data source name:	OCI 10g/11g		
Shared logon	XML JDBC (Direct Driver)		
User name:	JDBC (JNDI) JDBC (BIJDBC)		
Enable connection p	pooling		_
Timeout:	5	(minutes)	-
Vse multithreaded co	onnections		
Parameters supporte	d		
Isolation level:	Default		•
Description:			
			A

Change the datasource name to:

http://<server>:<port>/obiee/javads/DSBCIMPL01_BICS

In our example we use:

http://slc10udv.us.oracle.com:6610/obiee/javads/DSBCIMPL01_BICS

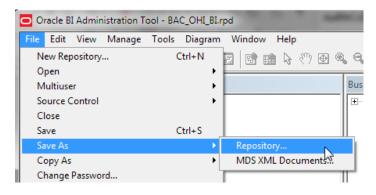
Click on the miscellaneous tab. Empty the 'Required Cartridge version' and set 'Use SQL Over HTTP' to 'true'.

Connection Pool - OHIBO	
General Connection Scripts XML Write Back	Miscellaneous
Javads Properties Required Cartridge Version	
Use SQL Over HTTP Inve	

Hit Ok. A password is asked again. This is the password of the Weblogic administrator. Usually Weblogic.

Connection Pool - OHIBO
General Connection Scripts XML Write Back Miscellaneous
Javads Properties Required Cartridge Version
Use SQL Over HTTP Inue
Confirm Password
Password:
OK Cancel

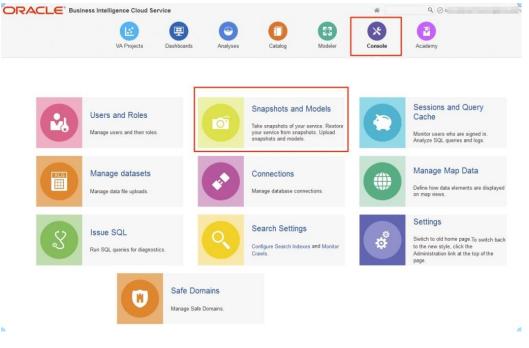
7. Save the file locally.



3.2 Import RPD in BICS

In order to upload the RPD file to BICS. Follow these steps:

1. In the BI Cloud Service Console, select 'Snapshots and Models'



2. Select the 'Replace Data Model' option

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		VA Projects	Dashboards	Analyses	Catalog	Modeler	Console	Academy
Snapshot Systen	n State 👩							
A Snapshot takes a cop	y of all system state. At a	any time the system can	be restored to one of th	nese stored Snapshots	. Restoration may imp	act existing user session	ons.	
New Snapshot	Upload Snapshot	Replace Data Mode						
10 ²	10 Feb 2016 (11:02:1 Description: BeforeR Username:							

3. Browse to the RPD and enter the Repository password. Then click 'OK'.

Replace Data	Model		@ ×
Data model files Enterprise Editior	(.rpd) include a data model defined an 1.	d saved from Oracle	e Bl
Data Model File	ON_PREM_CONNECT_DEMO.rpd	Update	
* Password	•••••		
🐣 to upload ca	between the current data model and th n break existing reports. Before you pr nodel in case you want to restore it.		
		ОК	Cancel

4 Setup catalog

This chapter describes the setup of the catalog file to BICS.

4.1 Upload catalog

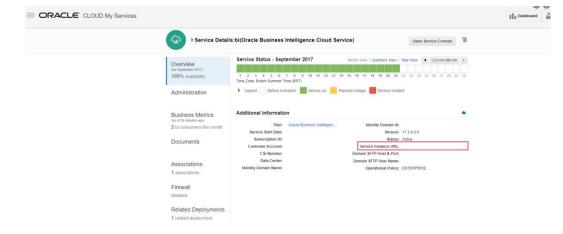
1. Copy the catalog file, which is delivered in the patch directory of OHI Back Office, to a local directory.



2. Login to BICS. Go to the service instance.

← → C 🔒 Secure			
🔢 Apps 📙 OBIEE 🦹 JIRA intern	🛛 🍟 JIRA corp 🔅 Environments 🔅 Templat	es 🔅 OWB Check scripts 🍌 BugDB	🖺 WiFi pass 📋 Oracle BI Presentation
	OUD My Services		
Dashboard			
Welcome			
Customize Dashboard Fine tune your cloud services overview	d What's New Learn about changes in the latest releases		
Cloud Services			
apex Database Schema Test		Service Instance: bi	®
0 14 16 18 2 Object Count	0 1.4 16 18 20 Average Object Count	2.4 1.2 0.0 14 16 18 20 BI Consumers This Month (SUM)	2.4 1.2 0.0 14 16 18 20 BI Authors This Month (SUM)
24 12 0 14 16 18 2 Table Count	24 12 0 14 16 18 20 Average Table Count	2.4 1.2 0.0 14 16 18 20 BI Author Modellers This Month (SUM)	2.4 1.2 0.0 14 16 18 20 BI Admins This Month (SUM)
0	□ ☆ ≡	0	□ ☆ ≡

3. Click on the service instance



4. Go to catalog.

September 21, 2017				
Welcome				
Recent Favorites				0
Test 1 - pagina 1		VA Projects	Dashboards	Analyses
		Catalog	Modeler	Console
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5. Select 'Company shared'.

Click '	'Unarchive'.

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		VA Projects	Dashboards	Analyses	Catalog
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Click 'Upload the catalog'. Select the locally copied catalog file.

6. Check if the reports are available. Click on dashboards.

5 Appendix A – Information

PLEASE NOTE. The Remote Desktop Tool will not work with customer SSL certificates that include a wildcard character '*' in the Common Name (CN). If HTTPS is being used, and errors are found, then check this is not the cause.

Use this URL: https://www.sslshopper.com/ssl-checker.html and in the 'Server Hostname' enter the full https URL being called in RDC, and then check it. If wildcard characters are being used, then a new certificate without these need to be generated.

There is a fix in the works for RDC, but currently this is not in place.