

ORACLE OBIEE 11g SECURITY QUICK REFERENCE

VERSION 2.0 – APRIL 2014

1. WEBLOGIC METADATA REPOSITORY DATABASE

Repository database for WebLogic metadata – created and maintained by the RCU (Repository Creation Utility). The OBIEE schemas are –

SCHEMA	DESCRIPTION
<id>_MDS	Metadata Services
<id>_BIPLATORM	Business Intelligence Platform

To inventory all Fusion Middleware installed components in the metadata repository –

```
select * from system.schema_version_registry$;
```

2. OBIEE REPOSITORY FILE (RPD)

RPD is encrypted and requires password to open. Ensure the password is complex and rotated per security best practices and policy, including separate passwords for production and non-production.

The RPD file is located in the following directory –

```
$FMW_HOME/$BI_ORACLE_HOME/bifoundation/  
OracleBIserverComponent/  
coreapplication_obisn/repository
```

3. IMPORTANT OBIEE SECURITY DOCUMENTATION

Oracle Fusion Middleware Understanding Security for Oracle WebLogic Server 11g Release 1 (10.3.5) (E13710)

Oracle Business Intelligence Enterprise Edition (OBIEE) Product Information Center (PIC) (Doc ID 1267009.1)

See OBIEE 11g: How to Set Up Usage Tracking and Create Usage Reports To Monitor Queries (Doc ID 1539971.1)

4. KEY USERS AND PASSWORDS

ACCOUNT	DESCRIPTION
OS owner of WebLogic	Do not use “weblogic” or “welcome1” for a password as these are default passwords.
OS user that runs WebLogic	Can be any number of user accounts, but never root or a privileged user. Do not hardcode password in scripts.
WebLogic GUI user/admin user	End-user with full Administration rights to WebLogic.
RPD Repository password	Required to open the RPD file. Password also entered into Enterprise Manager to deploy.
BI Admin User	End-user with full Administration rights to OBIEE.
BISystemUser	Used for service-to-service authentication. Do not use to write reports or administer OBIEE. Do not change password without following support instructions.
OracleSystemUser	Created during installation. User name can be changed later but need to follow instructions.

5. CONFIGURATION AND LOG FILES

FILE	LOCATION
Oracle BI Server (NQSConfig.INI, logconfig.xml)	<ORACLE_INSTANCE>\config\ OracleBIserverComponent\ coreapplication_obisn
BI Server Logs (nqserver.log, Nqquery.log)	<ORACLE_INSTANCE>\ diagnostics\logs\ OracleBIserverComponent\ coreapplication_obisn
Presentation Server (instanceconfig.xml)	<ORACLE_INSTANCE>\config\ OracleBIPresentationServicesCompo nent\coreapplication_obipsn
Presentation Server Logs (sawlog0.log, webcatupgrade0.log)	<ORACLE_INSTANCE>\ diagnostics\logs\ OracleBIPresentationServicesCompo nent\coreapplication_obipsn

6. ORACLE E-BUSINESS SUITE AUTHENTICATION

Integrating Oracle Business Intelligence Applications (OBIEE 11g) with Oracle E-Business Suite (Doc ID 1343143.1)

Oracle E-Business Suite authentication profile option –

FND: Oracle Business Intelligence Suite EE base URL

OBIEE configuration files –

authenticationschema.xml ->
NameInSource = Your_EBS_Cookie

instanceconfig.xml ->
include EBS ICX in the list of enabled schemas

7. OBIEE AND WEBLOGIC URLS

DESCRIPTION	DEFAULT
WebLogic/Fusion Middleware Admin	7001
OBIEE Application (deployment)	9704

WebLogic Administration Server

http://<server>:7001/console

Fusion Middleware Control (FMW)

http:// <server>:7001/em

OBIEE Home Page

http:// <server>:9704/analytics/saw.dll?bieehome

OBIEE Administration Page

http:// <server>:9704/analytics/saw.dll?Admin

OBIEE Permissions Page

http://<server>:9704/analytics/saw.dll?PrivilegeAdmin

BI Publisher Privileges

http://<server>:9704/analytics/saw.dll?bipublisherEntry&Done=%2fanalytics%2fsaw.dll%3fAdmin&Action=admin

Manage Catalog Groups

http://<server>:9704/analytics/saw.dll?ManageGroups

Go URL SQL Select

http://<server>:9704/analytics/saw.dll?Go&SQL=select+your_column+from+subject_area

8. WEBLOGIC AND OBIEE PATCHES

WebLogic

Oracle WebLogic Server: How to Make Sure that Recommended Patches are Applied (Doc ID 1365205.1)

VERSION	SUPPORT END DATE
10.3.5.x	July 2013
10.3.6.x	December 2018

The WebLogic version can be found running these commands –

1. Set the environment by running `setWLSEnv.sh` from `$FMW_HOME/$WL_HOME/server/bin`
2. `java weblogic.version -verbose`

OBIEE

OBIEE 11g: Required and Recommended Bundle Patches and Patch Sets (Doc ID 1488475.1)

VERSION	SUPPORT END DATE
11.1.1.6	April 2014
11.1.1.7	December 2018

The OBIEE version can be found in the following file –

```
$FMW_HOME/Oracle_BI1/bifoundation/products/
version-xml/version.txt
```

9. IMPERSONATE VS ACT-AS

	ACT-AS	IMPERSONATE
Level of access	Full or read-only access, on a single user	Full access
Who can be assumed by the proxy user	Defined list of users	All users, anytime
Access method	UI standard functionality	Construct URL manually
How to know if being used	UI shows proxy and target	No indication given
Security risk	Little to none	Credentials exposed in plain text in URL

10. WEBLOGIC AND OBIEE PORTS

- **WebLogic Admin ports**
<middleware_home>/user_projects/domains/bifoundation_domain/config/config.xml
- **OPMN ports**
<middleware_home>/instances/instance1/config/OPMN/opmn/opmn.xml
- **OBIEE System Components:**
<middleware_home>/user_projects/domains/bifoundation_domain/config/fmwconfig/biee-domain.xml

DEFAULT PORT	DESCRIPTION
389	LDAP (SSL) - also port 636
6021	Access Server
6022	Identity Server
6701	OPMN TCP port
7001	WebLogic AdminServer
7777	Oracle HTTP Server (if used)
7779	OPMN HTTP
9556	Node Manager
9700	Cluster Controller Monitor
9701	OBIEE Server Monitor Client (if clustered)
9703	OBIEE Server and outfacing port used for ODBC connections (set in NQSConfig.ini)
9704	Standard port for OC4J, web browser access, and Catalog manager, etc.
9704	Web server host port
9705	BI Server scheduler
9706	Cluster Controller Client
9707	Scheduler Script Engine (if used)
9708	Scheduler Cluster Monitor
9710	Presentation Server (isapiconfig.xml)
9810	Java host port (rmi.xml)

To list ports assigned at time of installation (can be changed afterwards) –

```
$OH/install/ports.properties
```

To list currently used ports –

```
netstat -tuapn | grep 'nqs*'
netstat -tuapn | grep 'sawserver'
netstat -tuapn | grep 'java'
```

11. LOGGING AND USAGE TRACKING

OBIEE 11g: How to Check the Log Files (Doc ID 1262647.1)

Navigation to view logs

EM Console. Login to the URL `http://server.domain:7001/em` and navigate to *Farm_bifoundation_domain-> Business Intelligence-> coreapplications-> Diagnostics-> Log Messages*

How to log SQL queries

Oracle Fusion Middleware System Administrator's Guide for OBIEE 11g, Chapter 8 (E10541)

12. LOGGING LEVELS FOR USERS

LEVEL	DESCRIPTION
0	No Logging
1	SQL and basic statistics
2	Level 1 plus repository & subject area
3	Level 2 plus query plan
4	Level 3 plus execution plan
5	Level 4 plus row counts within execution
6 & 7	Not used



<http://www.integrigy.com>

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Oracle Business Intelligence Enterprise Edition (OBIEE) 11g
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