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OBIEE: Install on OEL 5.2

Download the software Oracle Business Intelligence Enterprise Edition 10.1.3 from the below location

http://download.oracle.com/otn/linux/ias/101341/biee_linux_x86_redhat_101341.zip or

<http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/index.html>

or

<http://edelivery.oracle.com>

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	Microsoft Windows	Linux	Solaris	HP	IBM
Oracle Business Intelligence Suite Enterprise Edition, v. 10.1.3.4.1	x86: 1.5 GB File1	x86 (Red Hat Linux / Oracle Enterprise Linux): 1.4 GB File1 x86 (SUSE): 1.4 GB File1	SPARC: 1.3 GB File1	PA-RISC: 1.5 GB File1 Itanium: 1.6 GB File1	AIX (32/64 bit): 1.4 GB File1

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First thing is to install [Java 6](#) (1.6_0.16 or something) with Java EE

```
./jdk-1_5_0_16-linux-i586-rpm.bin
```

Pre-configuration check with the UnixChk.sh Script

UnixChk.sh is a script for UNIX-based installations (including Linux). In order to make sure that the installation machine has all the necessary requirements for a successful installation, run this UNIX check script to check the prerequisites. The script is lightweight and easy to use, and checks for the following conditions:

- Supported operating system
- Required patches and filesets (if applicable)
- Supported configurations
- Adequate disk space
- User is not root

The UnixChk.sh script is installed in the installer directory containing setup.sh and setup.jar.

Example:

- To get the help

```
[obi@linux1 Oracle_Business_Intelligence]$ pwd
/d02/oracle/OBIEE/Media/RH_Linux/Server/Oracle_Business_Intelligence
[obi@linux1 Oracle_Business_Intelligence]$ ./UnixChk.sh --help
Usage: UnixChk.sh [-b] [-s | <Oracle_BI_install_dir>]
  -b    Check build requirements in addition to runtime requirements
  -s    Skip installation directory checks

If neither -s nor <OracleBI_install_dir> are specified, this script assumes
<OracleBI_install_dir> = /usr/local/OracleBI
```

```
[root@linux1 Oracle_Business_Intelligence]# ulimit -n 10240
[root@linux1 Oracle_Business_Intelligence]# su - obi
[obi@linux1 ~]$ ulimit -n
10240
```

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- Change directory to the installation directory.
- Run the installer :
 - in graphics mode, use the following command: ./setup.sh
 - in console mode (text), use the following command: ./setup.sh -console
- As the Java Development Kit 1.5.0 or greater installation location and all its files and subdirectories must have the writable user or user group permissions for the user installing Oracle Business Intelligence, run the following as root:
- `chmod -R 777 /usr/local/jdk1.5.0_16/`

```
[obi@linux1 Oracle_Business_Intelligence]$ ./UnixChk.sh -b /d02/oracle/obi/OracleBI
SUCCESS!! - This machine is configured for Oracle BI EE 10.1.3.4
```

Next up, I need to make sure the open-files parameter for ulimit is at or above 10240. How do you do that? With some help from a friend, I logged in as root and edited the /etc/security/limits.conf file. I added the following lines:

```
#<domain> <type> <item> <value>
#
#*          soft   core      0
#*          hard   rss       10000
#@student   hard   nproc    20
#@faculty   soft   nproc    20
#@faculty   hard   nproc    50
#ftp        hard   nproc    0
#@student   -       maxlogins 4
*           soft   nofile   10240
*           hard   nofile   63536
# End of file
```

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Now logged in as obi, I issue the ulimit -a command to see what the current setting is (should be 10240 as I specified that as the minimum (soft))

```
[oracle@localhost OracleBI]$ ulimit -a
core file size          (blocks, -c) 0
data seg size          (kbytes, -d) unlimited
scheduling priority    (-e) 0
file size              (blocks, -f) unlimited
pending signals        (-i) 20479
max locked memory      (kbytes, -l) 32
max memory size        (kbytes, -m) unlimited
open files             (-n) 10240
pipe size              (512 bytes, -p) 8
POSIX message queues   (bytes, -q) 819200
real-time priority     (-r) 0
stack size            (kbytes, -s) 10240
cpu time              (seconds, -t) unlimited
max user processes     (-u) 20479
virtual memory         (kbytes, -v) unlimited
file locks            (-x) unlimited
```

I also need to add 2 directories:

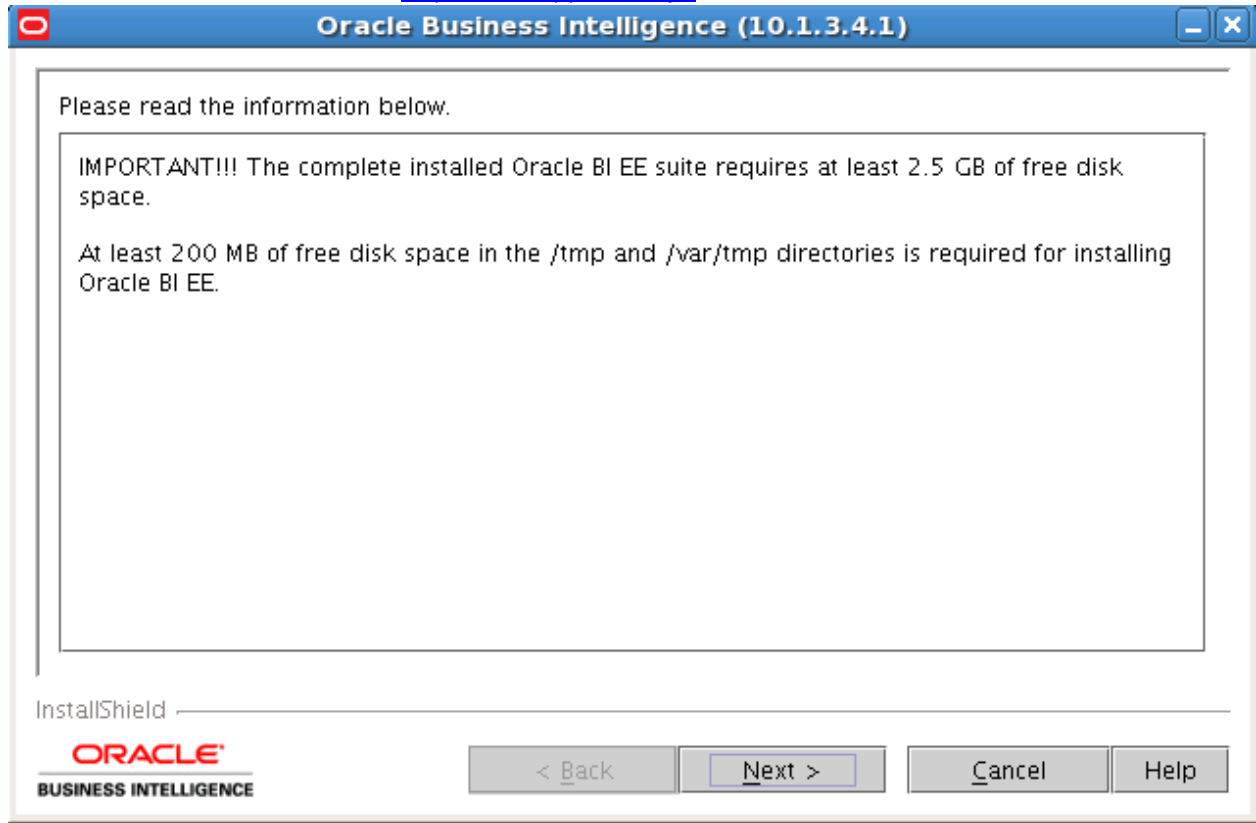
```
mkdir -p /d02/oracle/obi/OracleBI
chown -R obi:oinstall /d02/oracle/obi/OracleBI
chmod -R 775 /d02/oracle/obi/OracleBI
```

```
mkdir -p /d02/oracle/obi/OracleBIData
chown -R obi:oinstall /d02/oracle/obi/OracleBIData
chmod -R 775 /d02/oracle/obi/OracleBIData
```

Start the Installation of OBIEE

```
[obi@linux1 Oracle_Business_Intelligence]$ pwd
/d02/oracle/OBIEE/Media/RH_Linux/Server/Oracle_Business_Intelligence
[obi@linux1 Oracle_Business_Intelligence]$ ./setup.sh
```

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Oracle Business Intelligence Installation

Welcome. Oracle Business Intelligence will be installed.

Browse or Enter the Installation Location:

Browse or Enter the Data Location:

Select the Installation Type:

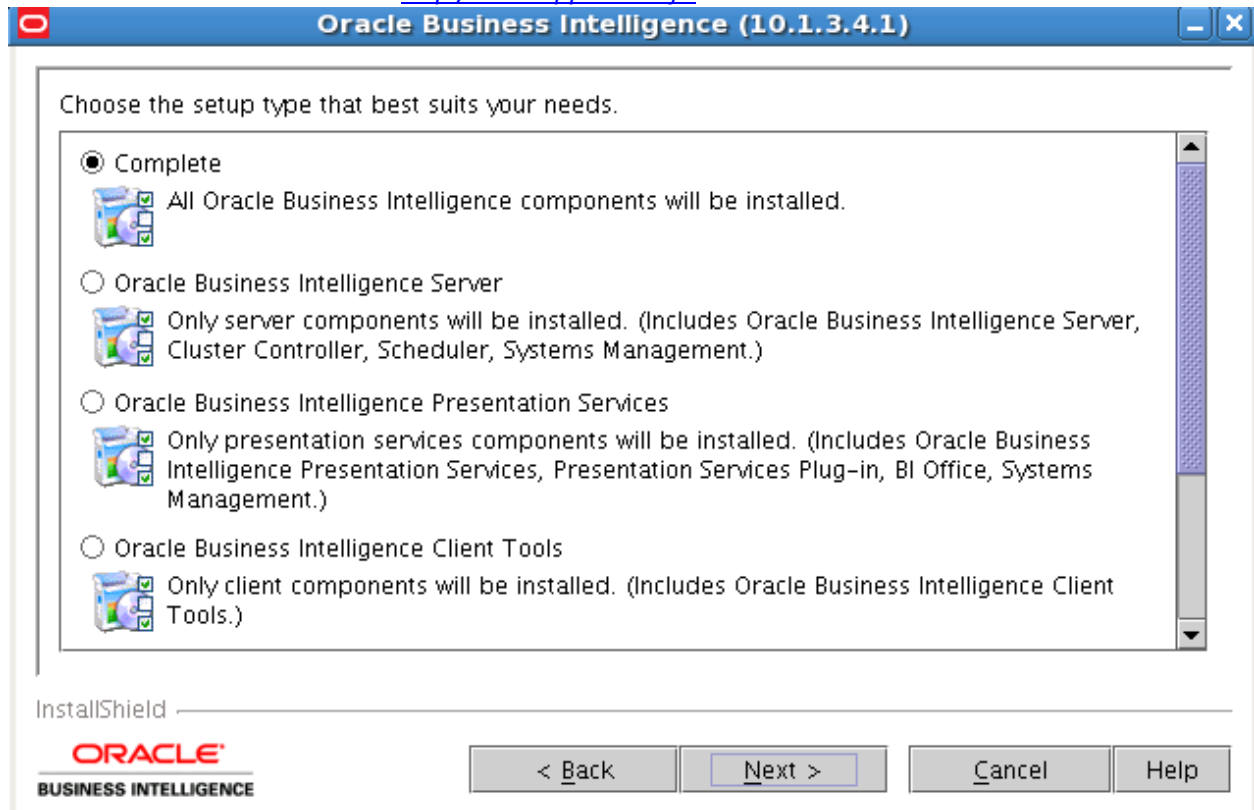
Basic: Minimum security. Installs Oracle Containers for J2EE (OC4J).

Advanced: Enhanced security. Requires Oracle Application Server 10.1.3.1.0 or greater.

InstallShield

ORACLE
BUSINESS INTELLIGENCE

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Oracle Business Intelligence (10.1.3.4.1)

Java Development Kit (JDK) Location

Java Development Kit 1.5.0 or greater is required.

Browse or Enter the JDK Location (JAVA_HOME):

Set the password for the oc4jadmin administrator user. This password should be used for any OC4J operations post-install. Remember the password because it cannot be reset and will be used for uninstallation.

Administrator username: oc4jadmin

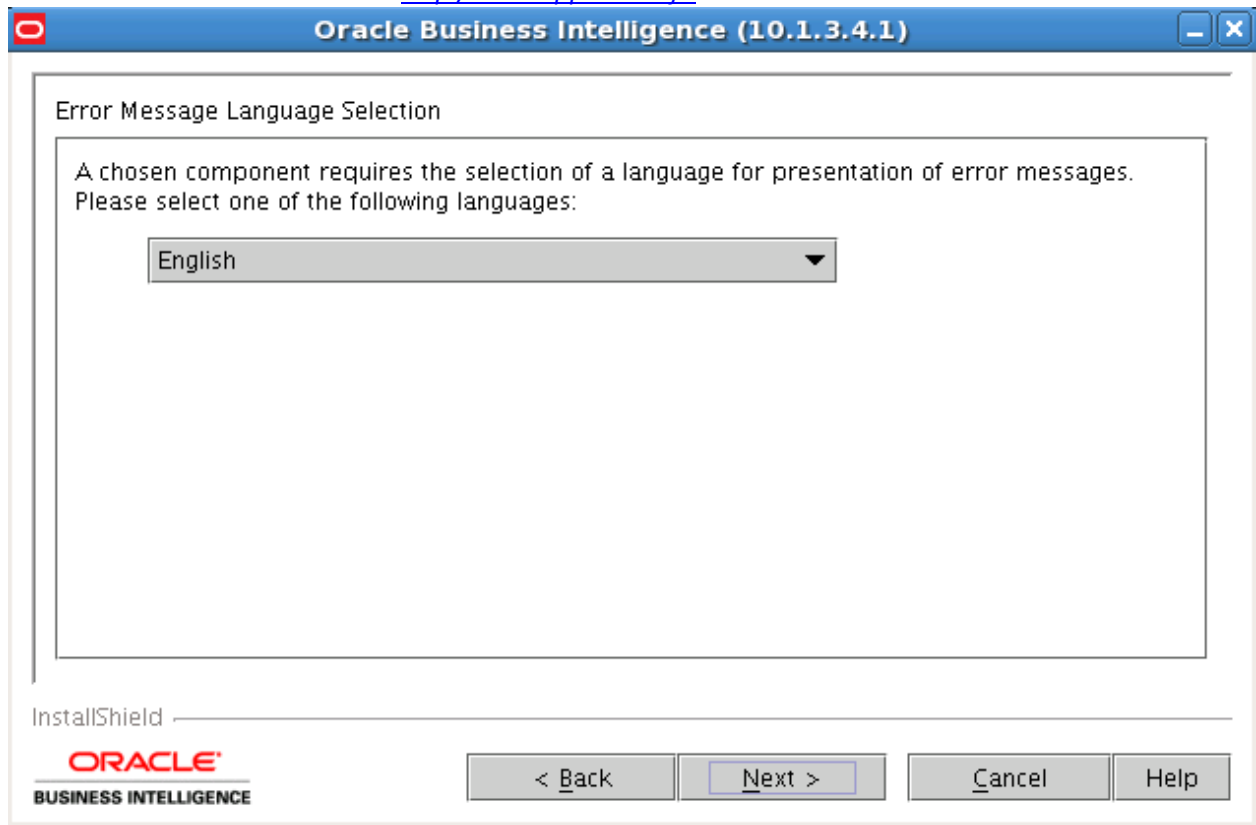
Administrator password:

Confirm password:

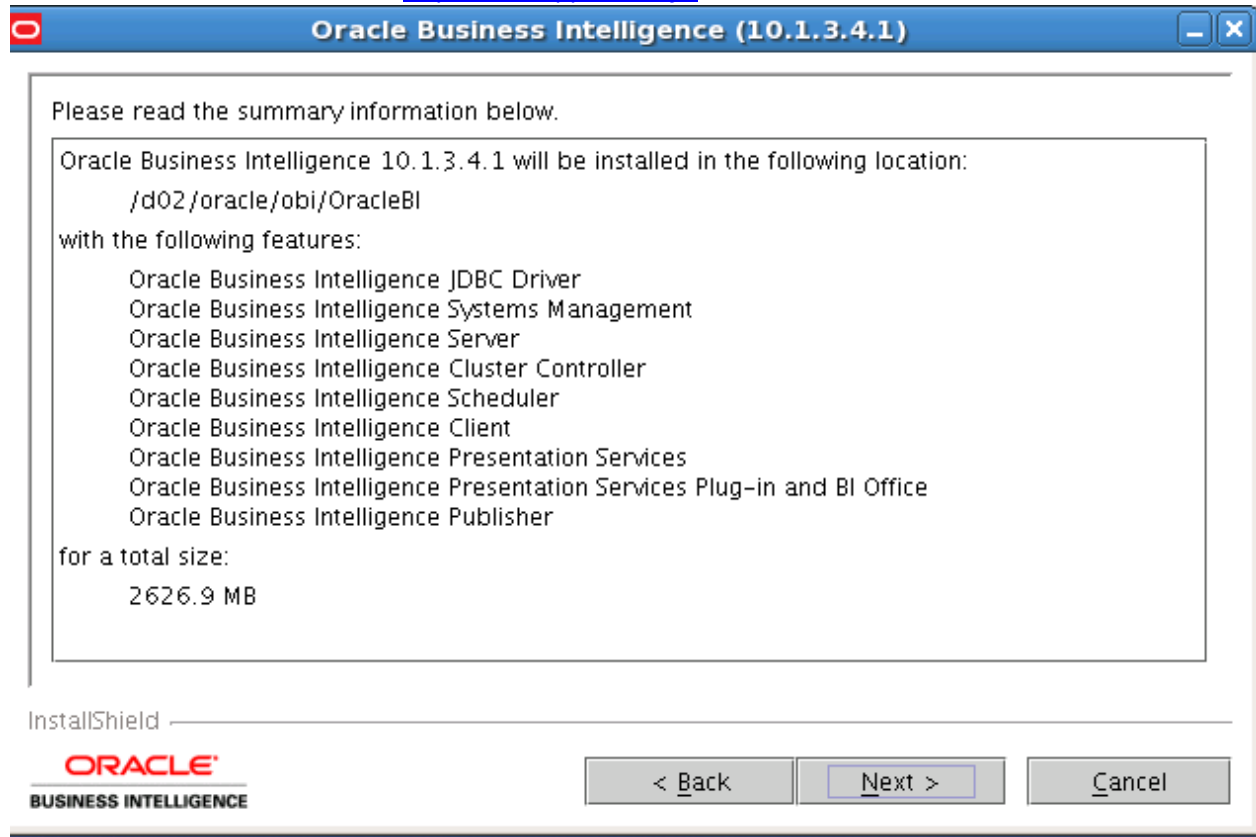
InstallShield

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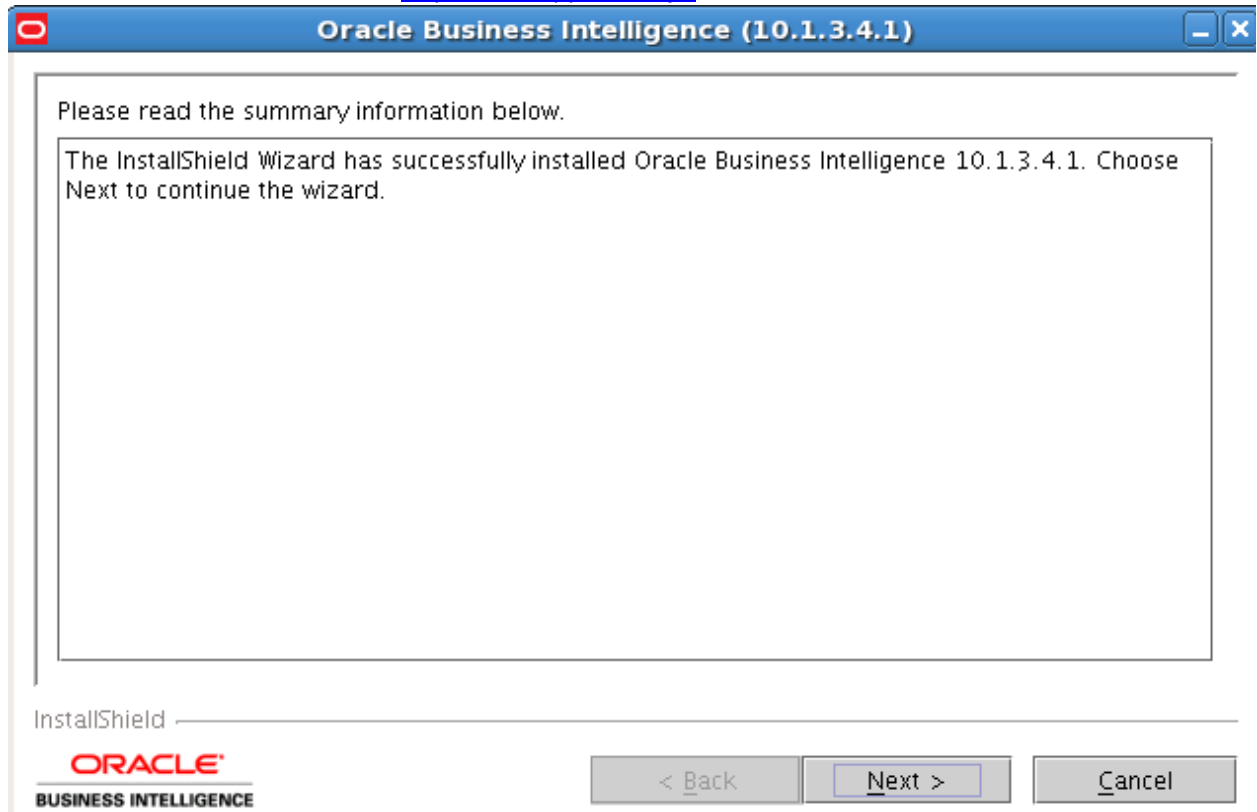
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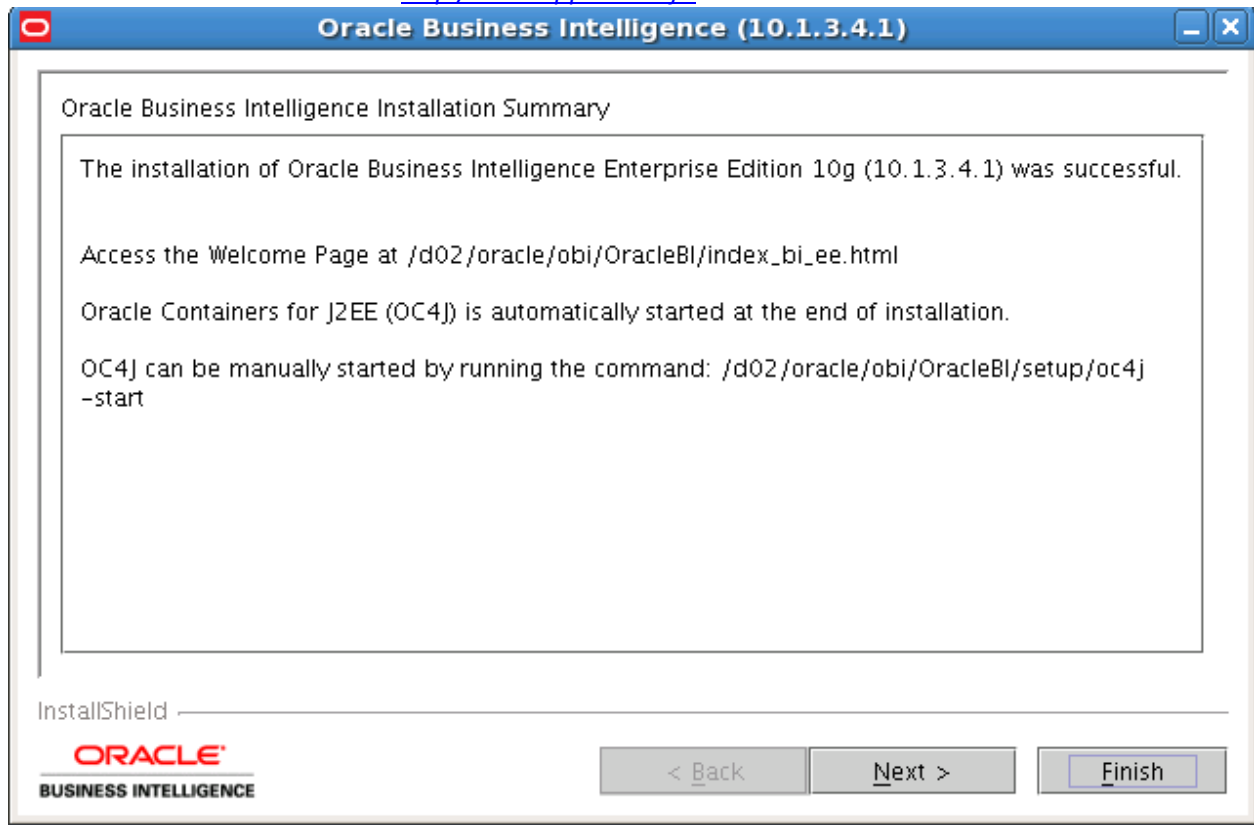
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Starting Oracle BI

Shell scripts

Oracle BI uses shell scripts located in the directory OracleBI_HOME/setup to set environment variables and run specific component shell commands.

The main administration scripts (scripts which call other scripts) are:

- oc4j (start OC4J)
- run-sa.sh (calls user.sh and starts the Oracle BI Server)
- run-saw.sh (calls saw.sh and starts the Oracle BI Presentation Services.)
- run-sch.sh (for BI Scheduler)
- run-ccs.sh (for the Cluster Controller)
- sa-cli.sh (Sets up the environment for running the Oracle BI Client)

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run-sa.sh: Oracle BI Server

The order in which the services are stopped, then restarted, is important. Use the following sequence to start the OBI Component:

- OC4J
- Oracle Business Intelligence Server service.
- Oracle Business Intelligence Presentation Services service.
- Oracle Business Intelligence Scheduler Server service.

Then to start, launch the script in this order

```
./setup/oc4j start - on vnc session  
./setup/run-sa.sh start  
./setup/run-saw.sh start  
./setup/run-ccs.sh start
```

And to stop:

```
./setup/run-ccs.sh stop  
./setup/run-saw.sh stop  
./setup/run-sa.sh stop  
./setup/oc4j -shutdown -port 23791 -password oc4jadmin
```

Start – OC4J

```
cd /d02/oracle/obi/OracleBI
```

```
[obi@racerp OracleBI]$ ./setup/oc4j -start  
Starting OC4J from /d02/oracle/obi/OracleBI/oc4j_bi/j2ee/home ...
```

```
- Quartz scheduler version: 1.5.1  
- Scheduler DefaultQuartzScheduler_$NON_CLUSTERED started.  
11/01/19 06:05:50 Oracle Containers for J2EE 10g (10.1.3.1.0) initialized
```

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Start - Oracle Business Intelligence Server service.

cd /d02/oracle/obi/OracleBI

```
[obi@racerp OracleBI]$ ./setup/run-sa.sh start
Oracle BI Server startup initiated.
Please wait for a while for the Oracle BI Server to completely start.
Execute the following command to check the Oracle BI Server logfile and see if it started.
tail -f /d02/oracle/obi/OracleBI/server/Log/NQServer.log
[obi@racerp OracleBI]$ tail -f /d02/oracle/obi/OracleBI/server/Log/NQServer.log
2011-01-19 06:08:02
    [36007] Loading repository /d02/oracle/obi/OracleBI/server/Repository/sample
esales.rpd.
2011-01-19 06:08:02
    [14055] Loading subject area: Sample Sales ...
2011-01-19 06:08:02
    [14056] Finished loading subject area: Sample Sales.
2011-01-19 06:08:02
    [58002] Query Cache loaded with 0 entries from saved cache files.
2011-01-19 06:08:02
    [43030] : Oracle BI Server started. Version: 10.1.3.4.1.090414.1900.
```

Oracle Business Intelligence Presentation Services service.

cd /d02/oracle/obi/OracleBI

```
[obi@racerp OracleBI]$ ./setup/run-saw.sh start
Oracle BI Java Host startup initiated.
Please check '/d02/oracle/obi/OracleBIData/web/log/javahost.out.log' for Oracle
BI Java Host startup details.
Please go to the '/d02/oracle/obi/OracleBIData/web/log/javahost' directory for O
racle BI Java Host log files after starting up.
Oracle BI Presentation Services startup initiated.
Please go to the '/d02/oracle/obi/OracleBIData/web/log' directory for Oracle BI
Presentation Services log files.
```

- Oracle Business Intelligence Scheduler Server service.

```
[obi@racerp OracleBI]$ ./setup/run-ccs.sh start
Oracle BI Cluster Controller startup initiated.
Execute the following command to check the Oracle BI Cluster Controller logfile
and see if it started.
tail -f /d02/oracle/obi/OracleBI/server/Log/NQCluster.log
```

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Testing the Oracle BI Client

To test the Oracle BI Client :

- Run Oracle BI Client by opening another session.
- From the setup directory OracleBI_HOME/setup, run the shell command:

```
.sa-cli.sh
```

To test the client/server connectivity, run the command:

```
nqcmd
```

- If the test is successful, press the Enter key several times to quit nqcmd.

OC4J Home

<http://racerp.oracle.com:9704>

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The screenshot shows a web browser window with the following elements:

- Address Bar:** Most Visited, Enterprise Linux, Linux Technology C..., Oracle University
- Tab:** Welcome to Oracle Contain... x Loading... x
- Page Title:** Oracle Application Server
- Header Image:** A decorative banner image showing server racks and a person working at a computer.
- Section Header:** Welcome to Oracle Containers for J2EE
- Section Header:** Overview
- Text:** Oracle Containers for J2EE 10g (10.1.3.1.0) is the core Oracle Application Server.
- Text:** The key values of this release are:

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OC4J Admin Login

<http://racerp.oracle.com:9704/em/console/ias/oc4j/home>

ORACLE Enterprise Manager 10g
Application Server Control

Login

* User Name

* Password

Login

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The screenshot shows the Oracle Enterprise Manager 10g Application Server Control console for the OC4J: home component. The page is titled "OC4J: home" and includes a navigation menu with "Home", "Applications", "Web Services", "Performance", and "Administration". The "General" tab is active, displaying the component's status as "Up" with a green checkmark icon. Key details include: Start Time: Jan 18, 2011 11:01:18 PM IST; Version: 10.1.3.1.0; Oracle Home: /d02/oracle/obi/OracleBI/oc4j_bi; Host: racerp.oracle.com; Virtual Machines: 1; Notifications: 0. There are "Stop" and "Restart" buttons. To the right, the "Response and Load" section features a line graph showing "Request Processing Time (seconds)" and "Requests per second" over time. The graph shows a steady state with a few spikes. The page footer includes "Copyright © 1996, 2006, Oracle. All rights reserved." and navigation links for "Setup", "Logs", "Help", and "Logout".

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BI Publisher

<http://racerp.oracle.com:9704/xmlpserver>



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<http://www.appsdba.info>

Analytics

<http://racerp.oracle.com:9704/analytics/saw.dll?Dashboard>



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References :

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