Installing the Oracle Database 10g on Linux

Purpose

This module describes how to install the Oracle Database 10g on Linux.

Topics

This lesson will discuss the following:

- ⊠ [Overview](#)
- ⊠ [Prerequisites](#)
- ⊠ [Installing Oracle Database 10g on Linux](#)

Overview

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Using the Universal Installer, you wi ll install the Oracle Database 10g software and create a database.

Prerequisites

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In order for this lesson to work successfully, you will need to have performed the following:

1. Complete the [Configuring Linux for the Installation of Oracle Database 10g](#) lesson.
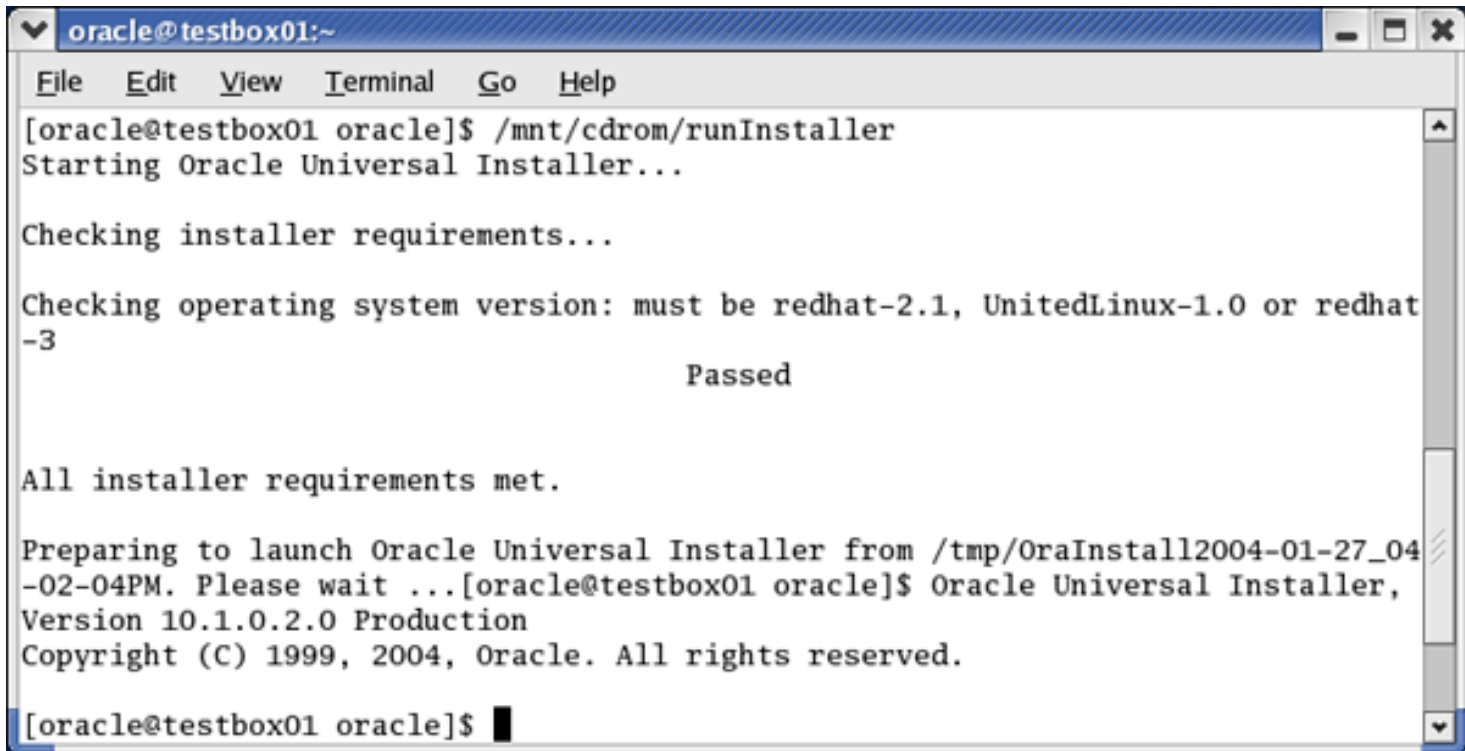
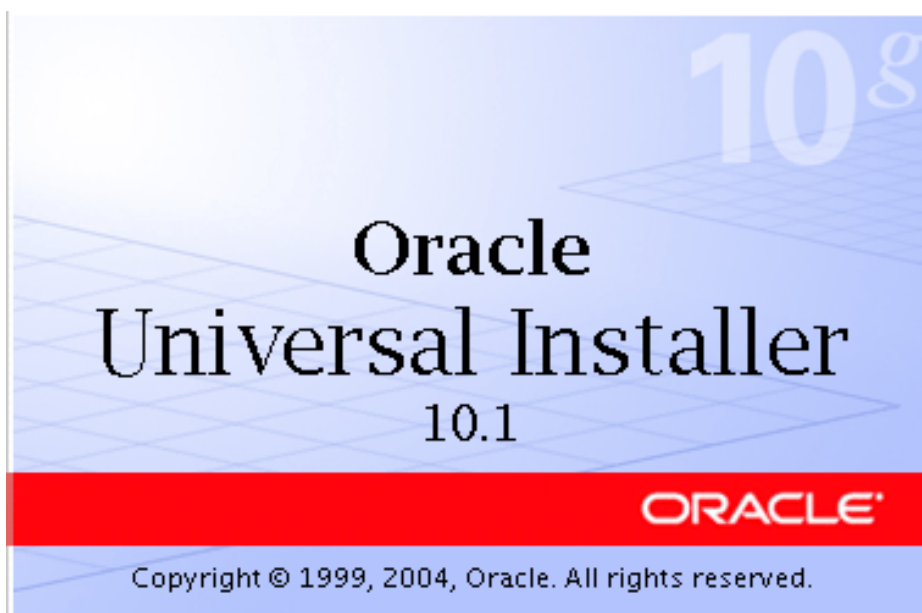## Installing Oracle Database 10g on Linux

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To install the Oracle software you must use the GUI installer.

1. Login to the Linux box as user oracle and mount the Oracle Database 10g CD. Change directory to the CD and execute the script **/mnt/cdrom/runInstaller** from your home directory..
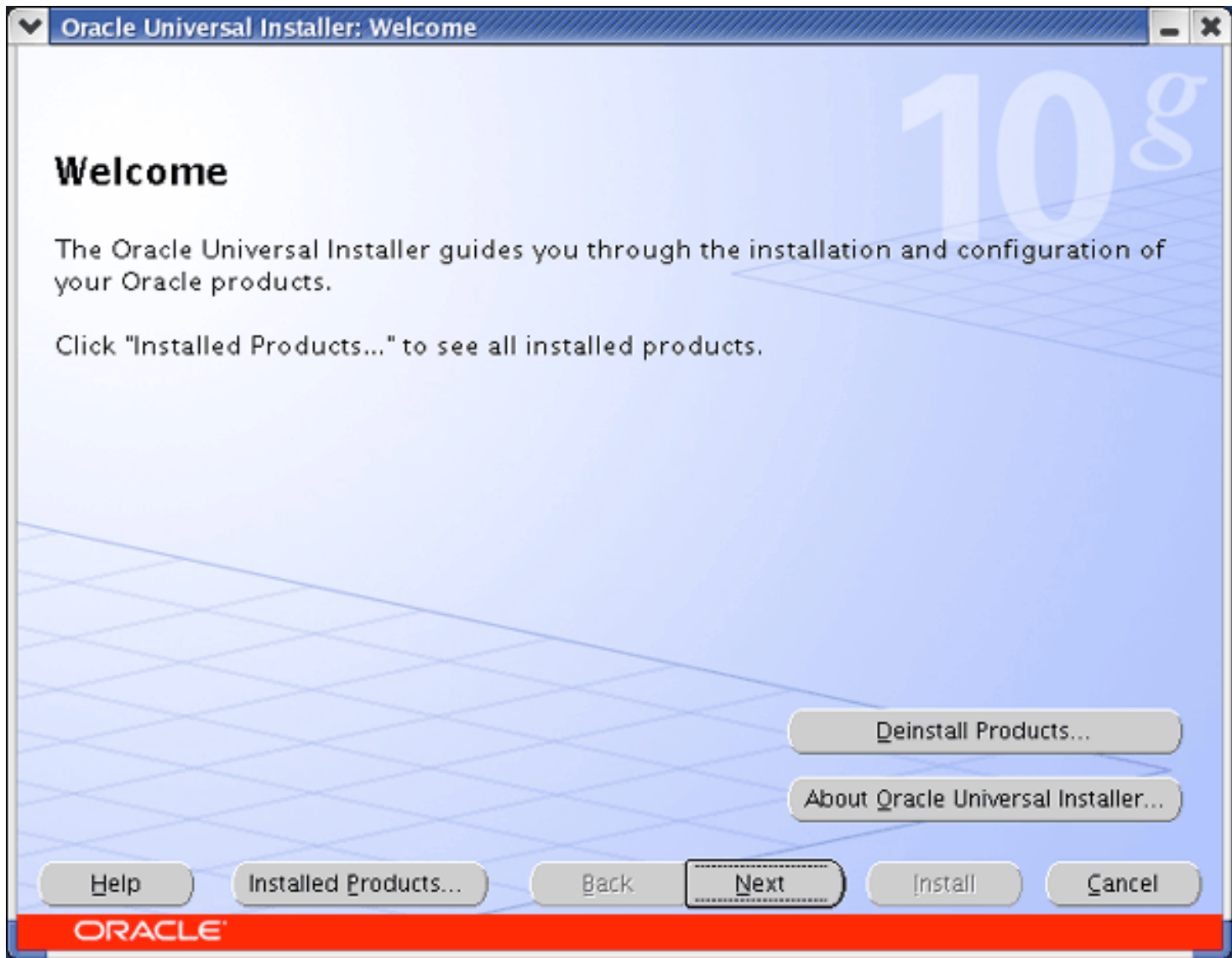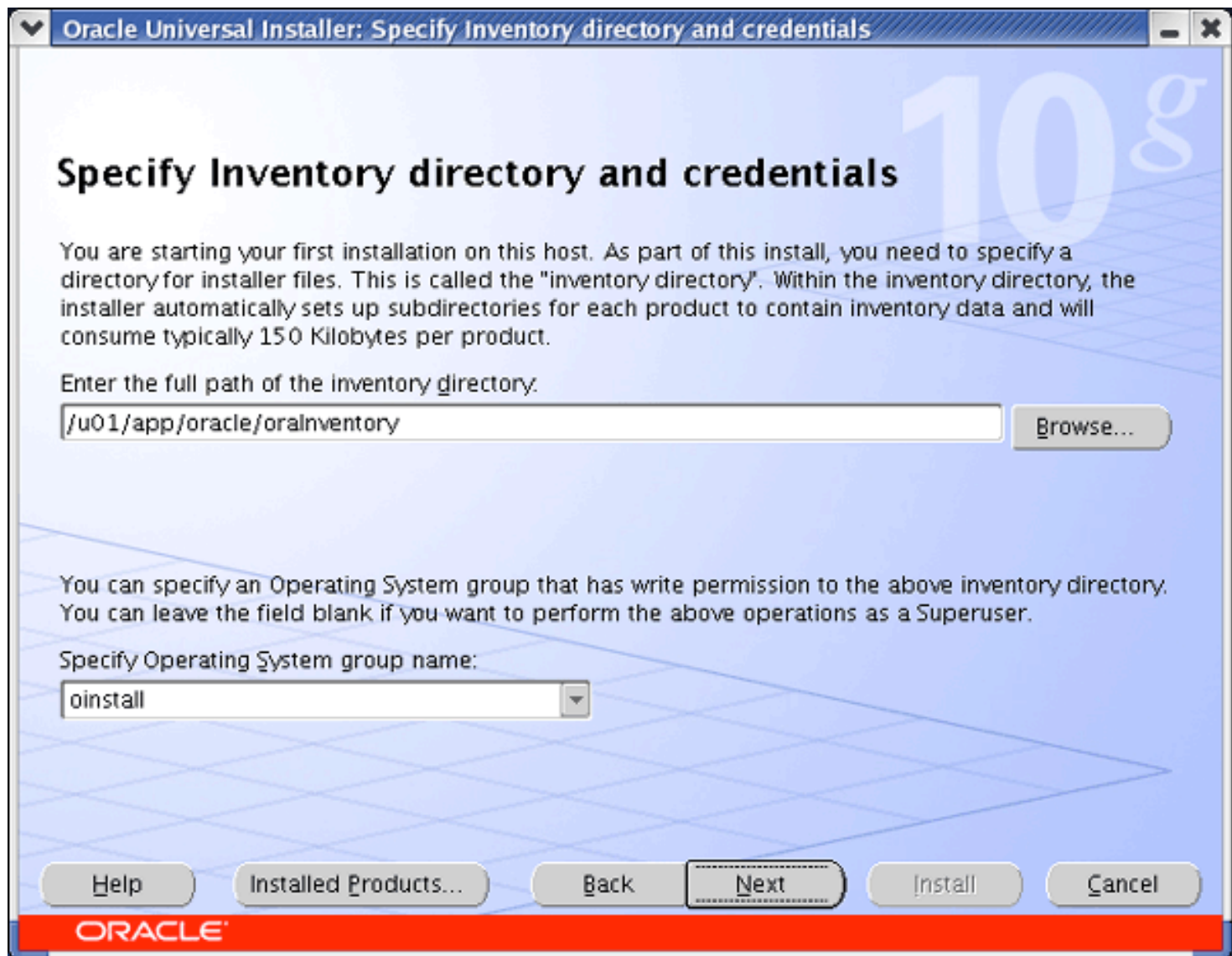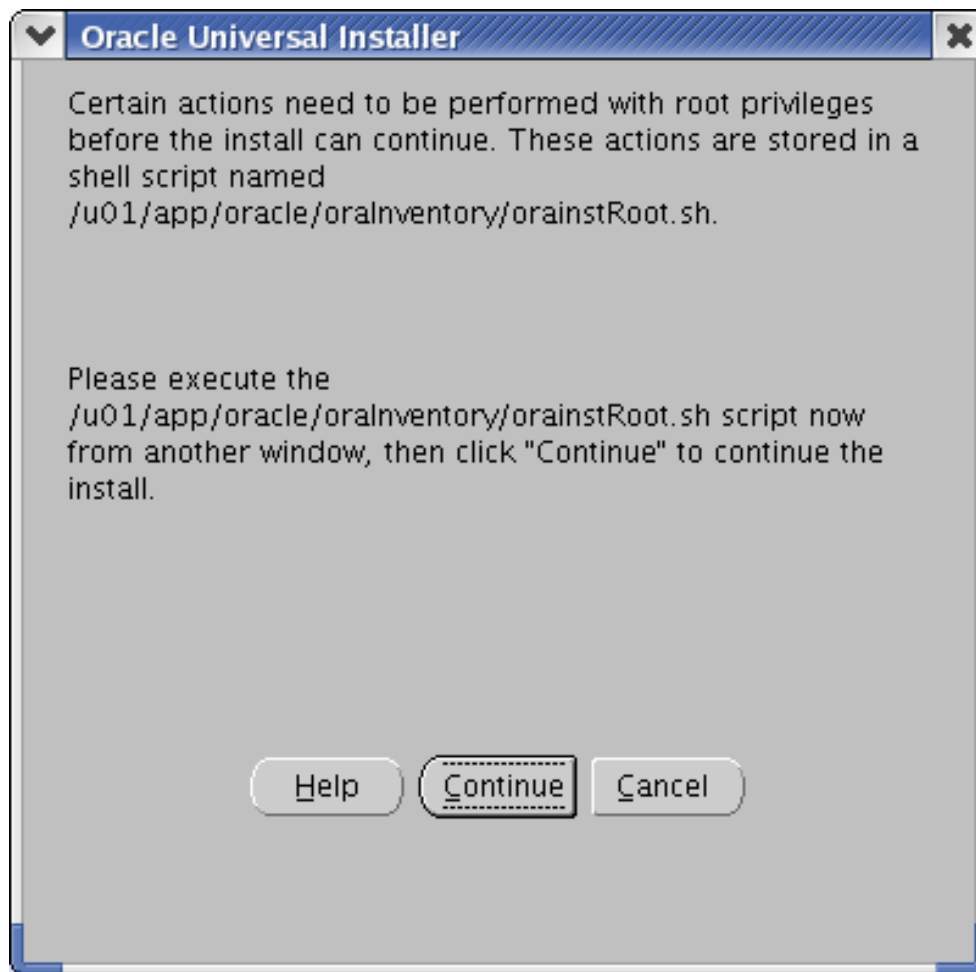
/mnt/cdrom/runInstaller

2. At the Welcome window, click **Next** .

3. You need to specify your Inventory Directory. The location should be set to `/u01/app/oracle/oraInventory` . Accept the defulat Operating System Group Name, oinstall. Click **OK** .
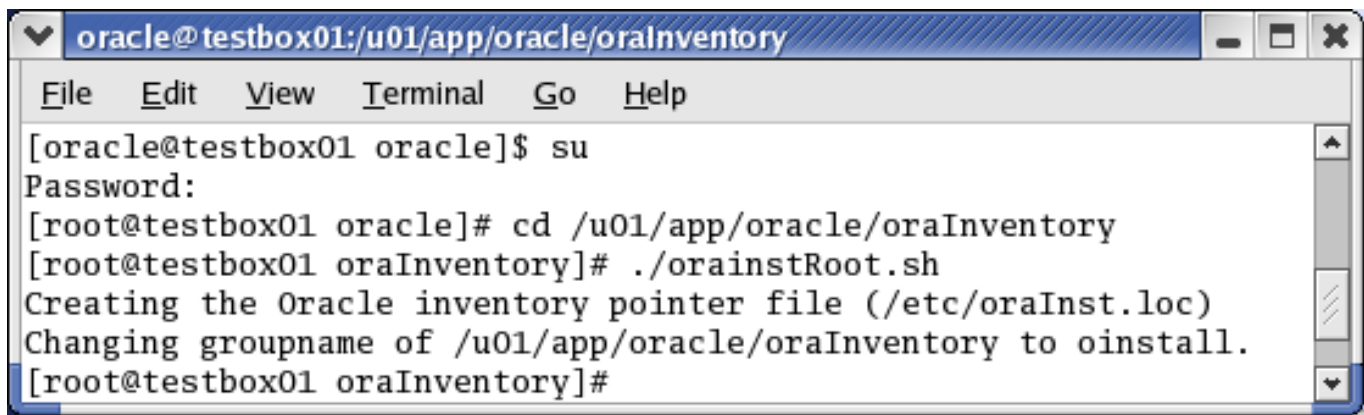
4. The following window will appear. Leave this window open and open a new terminal window.

Oracle Universal Installer

Certain actions need to be performed with root privileges
before the install can continue. These actions are stored in a
shell script named
/u01/app/oracle/oraInventory/orainstRoot.sh.

Please execute the
/u01/app/oracle/oraInventory/orainstRoot.sh script now
from another window, then click "Continue" to continue the
install.

Help   Continue   Cancel

5. You need to execute **orainstRoot.sh** as the **root** user. Open a terminal window and enter the following commands:

```
su
<rootpassword>
cd /u01/app/oracle/oraInventory
./orainstRoot.sh
exit
exit
```

```
[oracle@testbox01 oracle]$ su
Password:
[root@testbox01 oracle]# cd /u01/app/oracle/oraInventory
[root@testbox01 oraInventory]# ./orainstRoot.sh
Creating the Oracle inventory pointer file (/etc/oraInst.loc)
Changing groupname of /u01/app/oracle/oraInventory to oinstall.
[root@testbox01 oraInventory]#
```

6. Switch back to the Universal Installer window and click **Continue** .

Oracle Universal Installer

Certain actions need to be performed with root privileges before the install can continue. These actions are stored in a shell script named /u01/app/oracle/oraInventory/orainstRoot.sh.

Please execute the /u01/app/oracle/oraInventory/orainstRoot.sh script now from another window, then click "Continue" to continue the install.

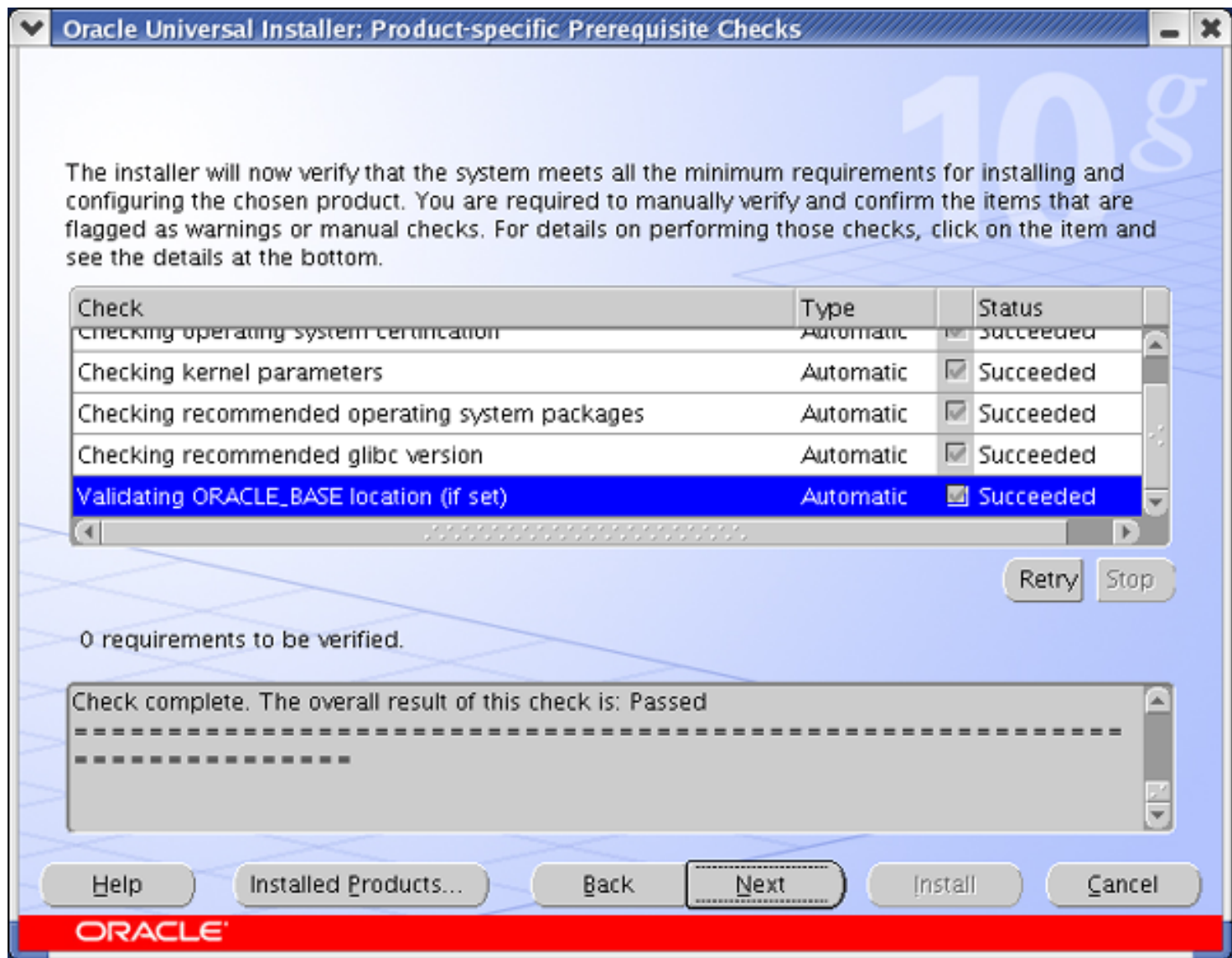Help   Continue   Cancel

7. At the Specify File Locations window, change the path to **/u01/app/oracle/product/10.1.0/db_1** and click **Next** .
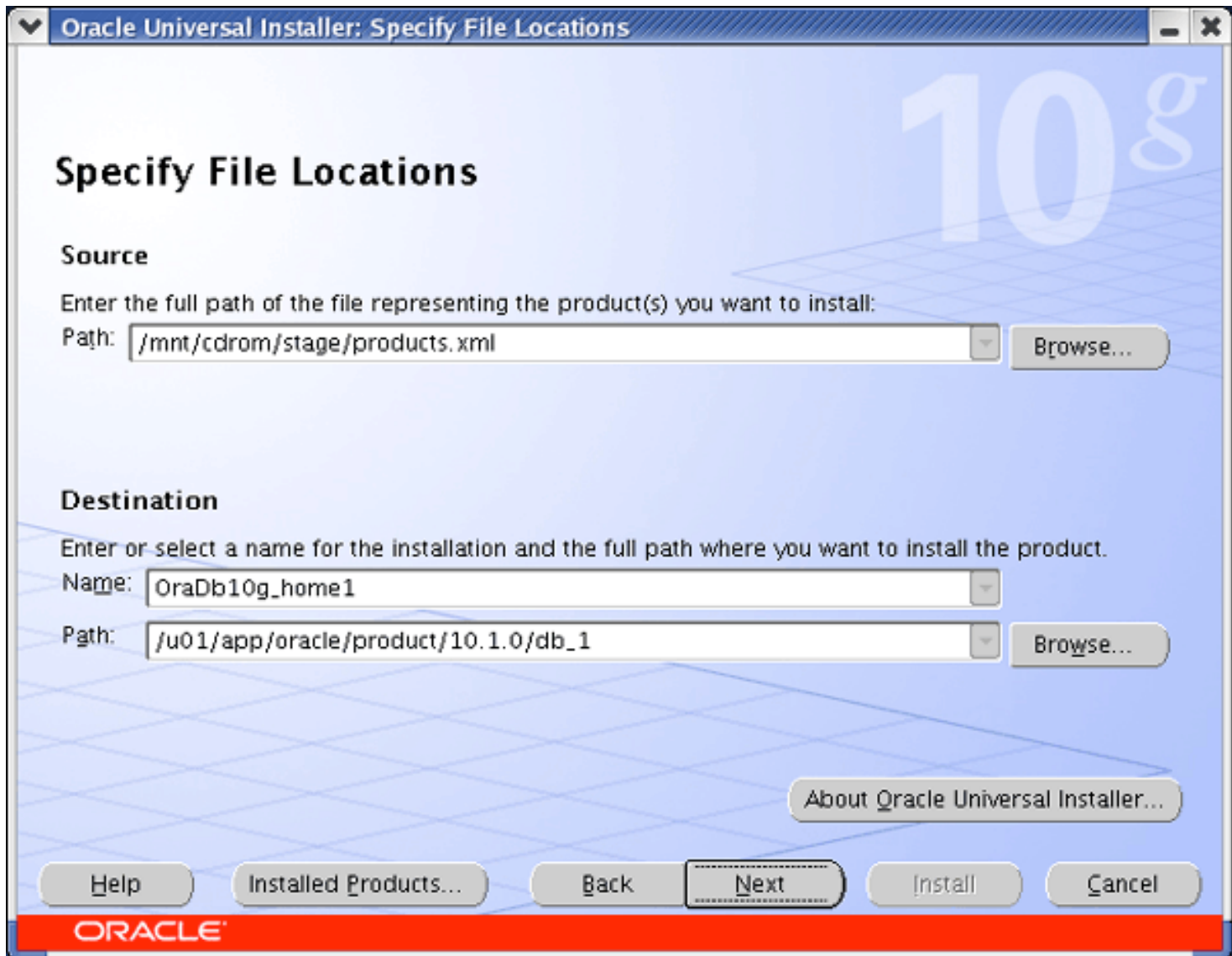

8. Make sure the Installation Type **Enterprise Edition** is selected and click **Next** .
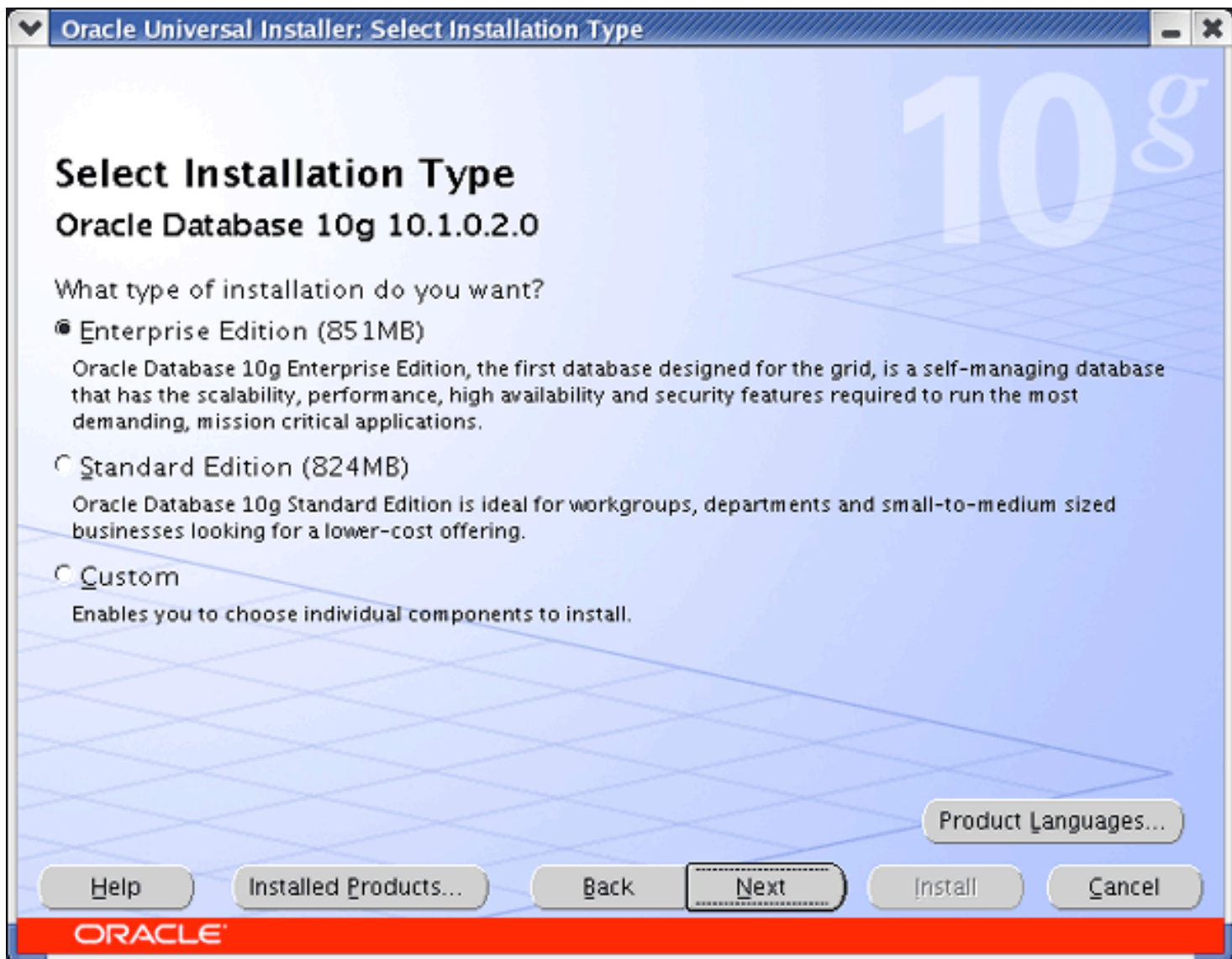
9. The installer will now verify the system meets all the minimum requirements for installing and confiuring the choosen product. Please correct any reported issues before continuing. When the check successfully completes click **Next** .

Check	Type	Status
Checking operating system certification	Automatic	☑ Succeeded
Checking kernel parameters	Automatic	☑ Succeeded
Checking recommended operating system packages	Automatic	☑ Succeeded
Checking recommended glibc version	Automatic	☑ Succeeded
Validating ORACLE_BASE location (if set)	Automatic	☑ Succeeded

10. You want to create a starter database. Make sure **Create a starter database** and **General Purpose** is selected then click **Next** .
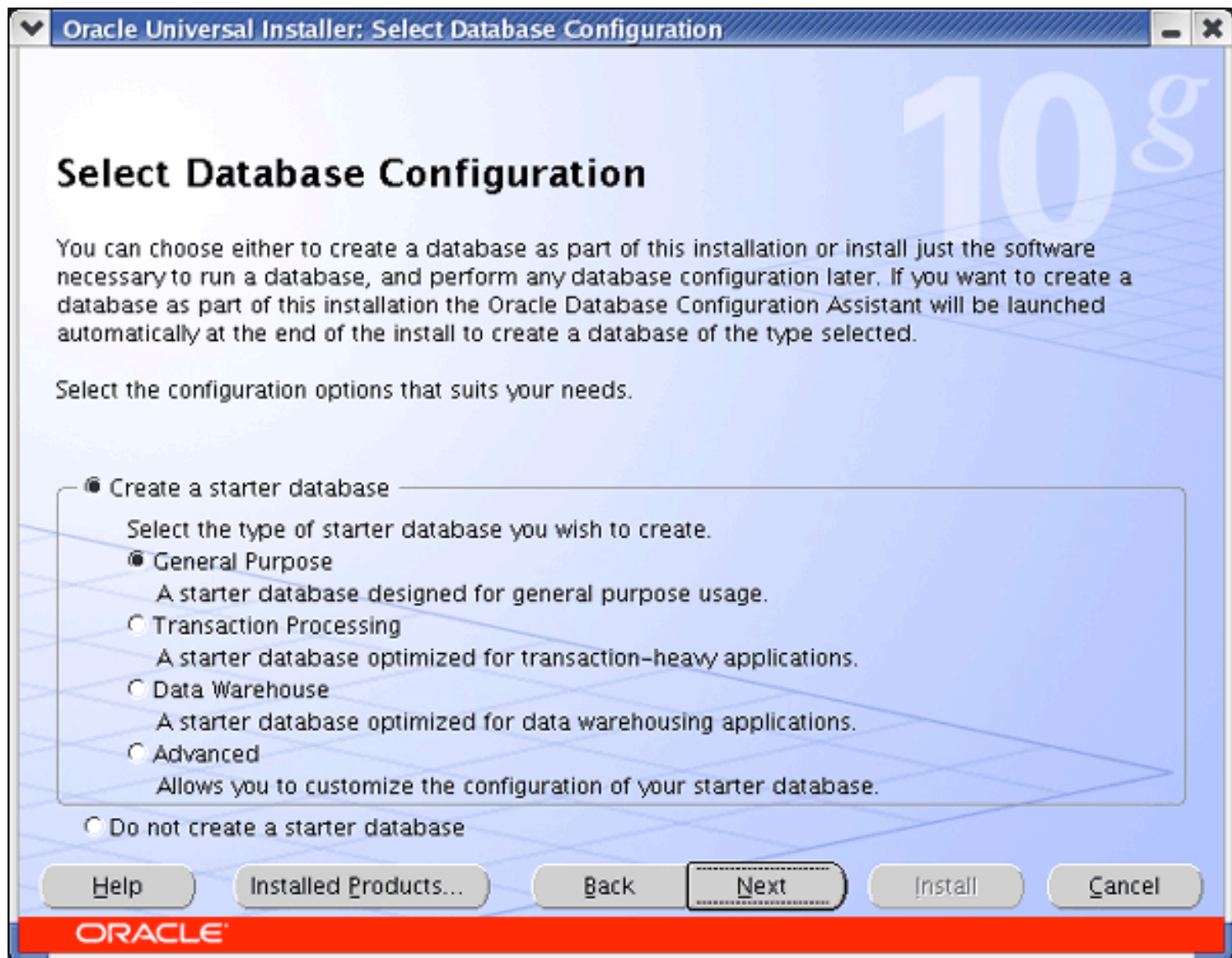
11. Enter **orcl.oracle.com** as the Global Database Name, and select the checkbox to **Create database with example schemas** and click **Next** . Depending on whether you plan to perform any of the multilingual lessons, you will want to select **Unicode standard UTF-8 AL32UTF8** as the Database Character set.

12. The Database Management Options screen allows you to choose between Database Control or Grid Control of your database. In this example, you will accept the default which is Database Control. Click **Next** .
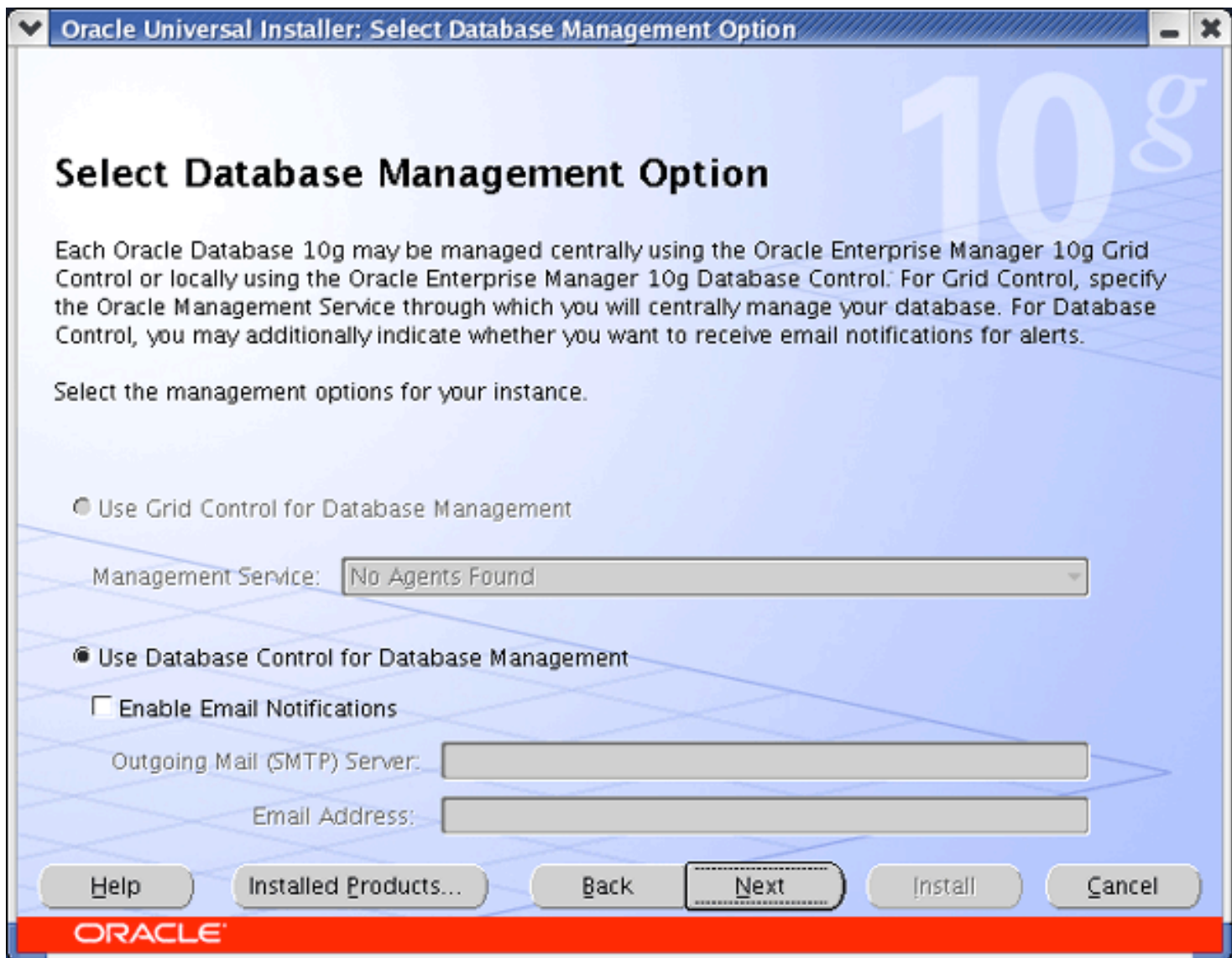
Specify the Database file location as **/u01/app/oracle/oradata** and click **Next** .

13.
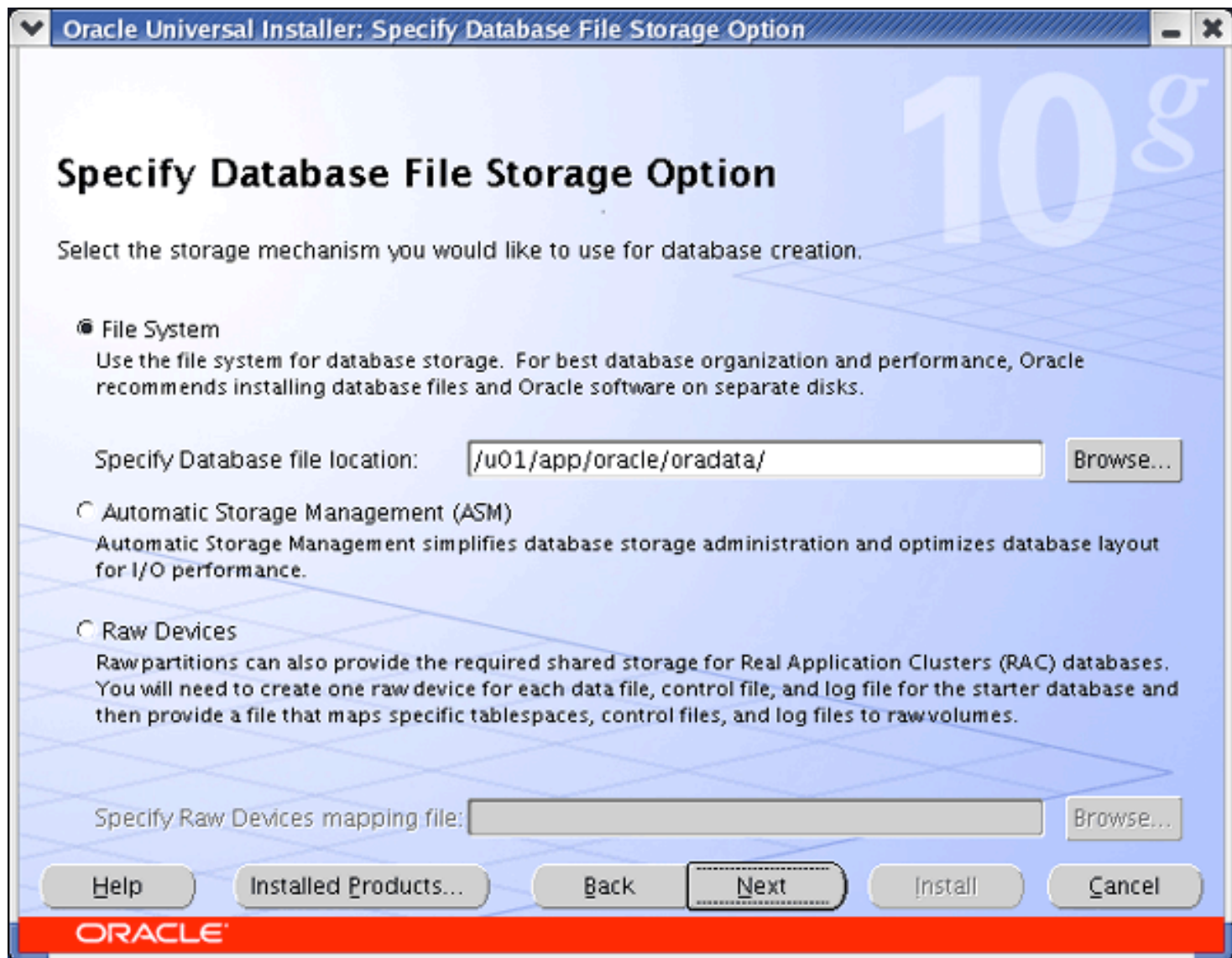
14.	At the Backup and Recovery Options screen, you do not want to enable automated backups, at this time. Accept the default and click **Next** .
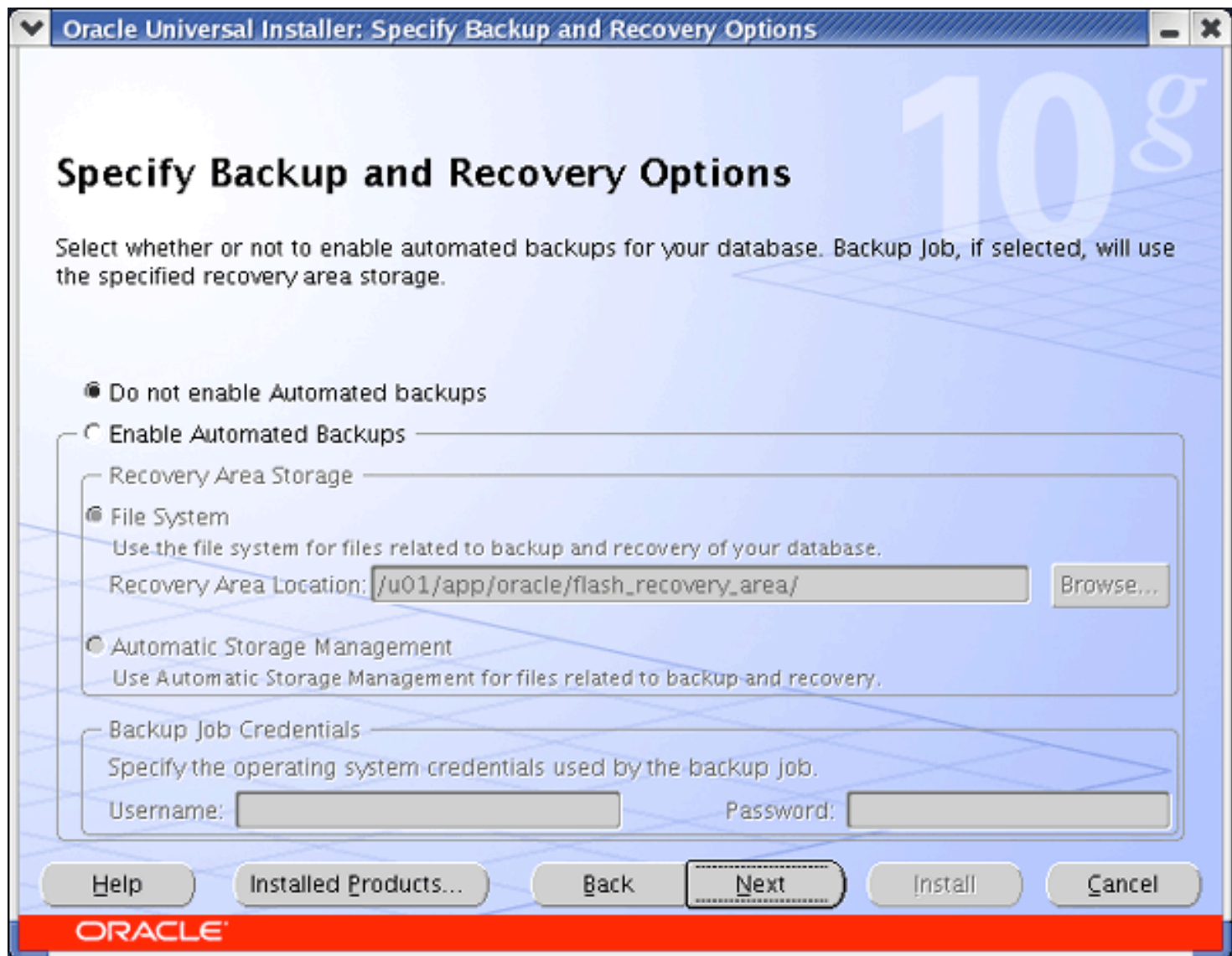
Enter a password and confirm password for all accounts and click **Next** .

15.
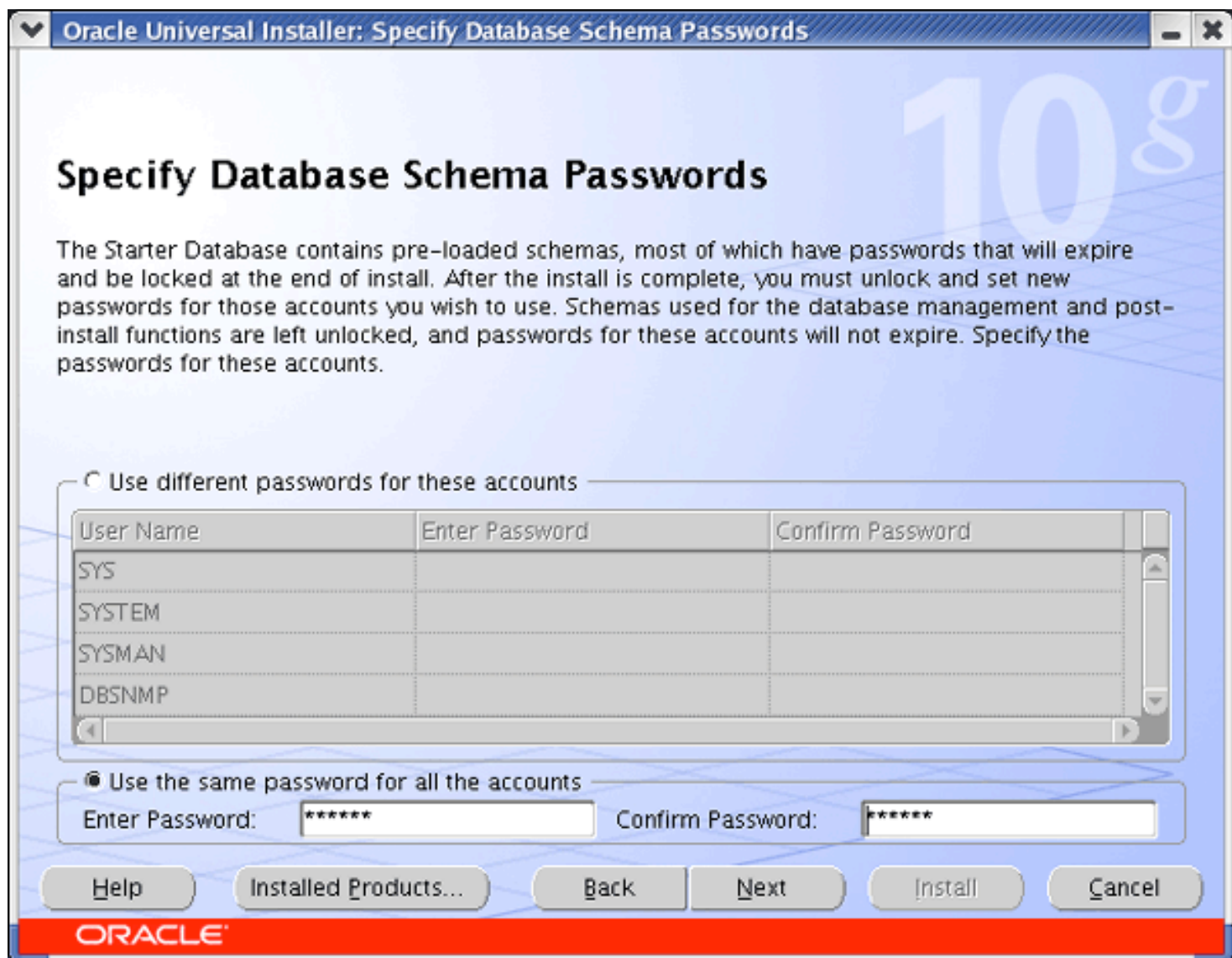
At the Summary screen, review what will be installed and click **Install** .

16.
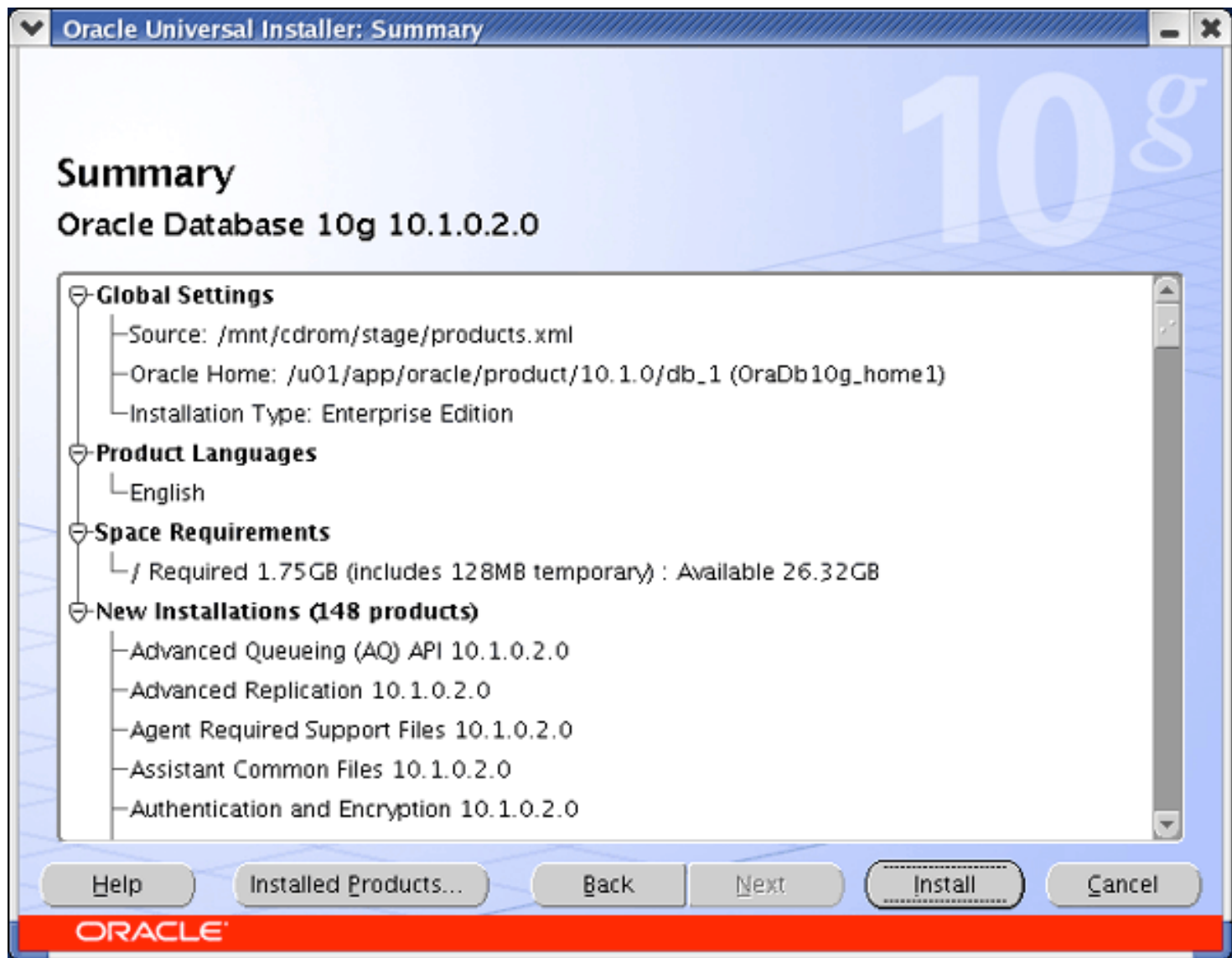
You will see the progress window.

17.
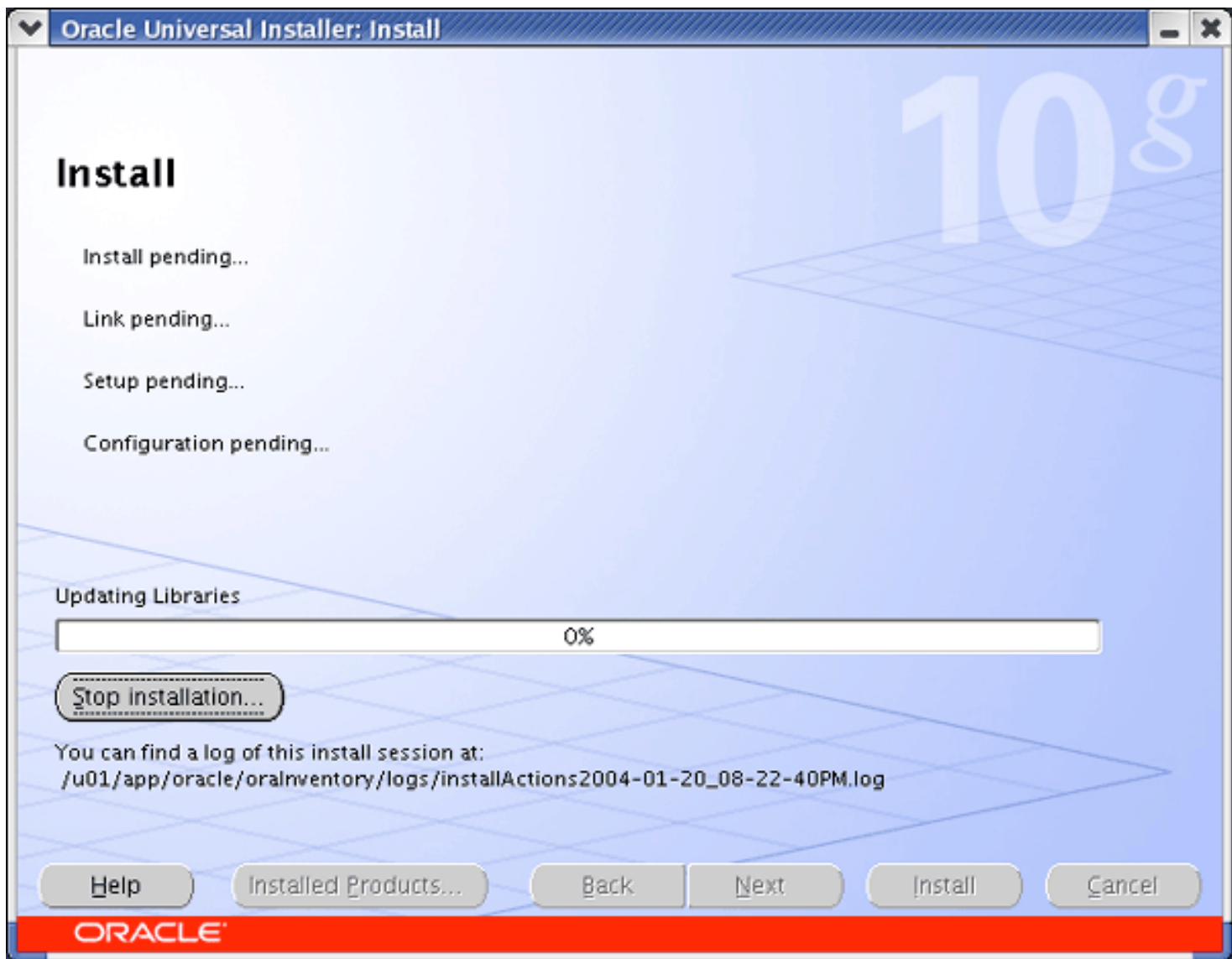
The Configuration Assistants Window will appear.

18.

Your database is now being created.

19.
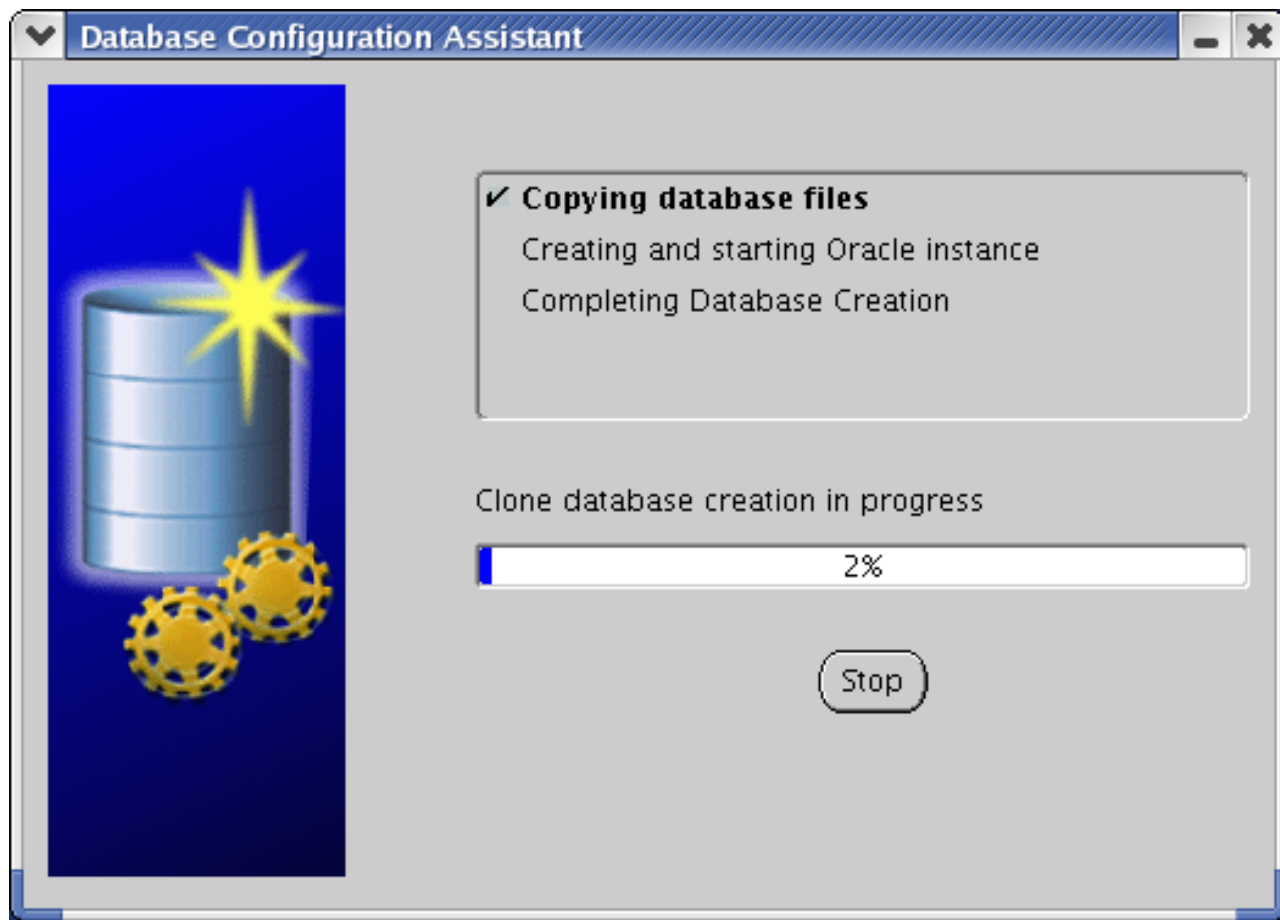
Once the database is created, click **OK** .

20.

Database Configuration Assistant

Database creation complete. Check the logfiles at /u01/app/oracle/admin/orcl/create for details.

Database Information:
   Global Database Name: orcl.oracle.com
   System Identifier(SID):   orcl
   Server Parameter Filename: /u01/app/oracle/product/10.1.0/db_1/dbs/spfileorcl....

The Enterprise Manager URL is http://testbox01.cfl.rr.com:5500/em

Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to v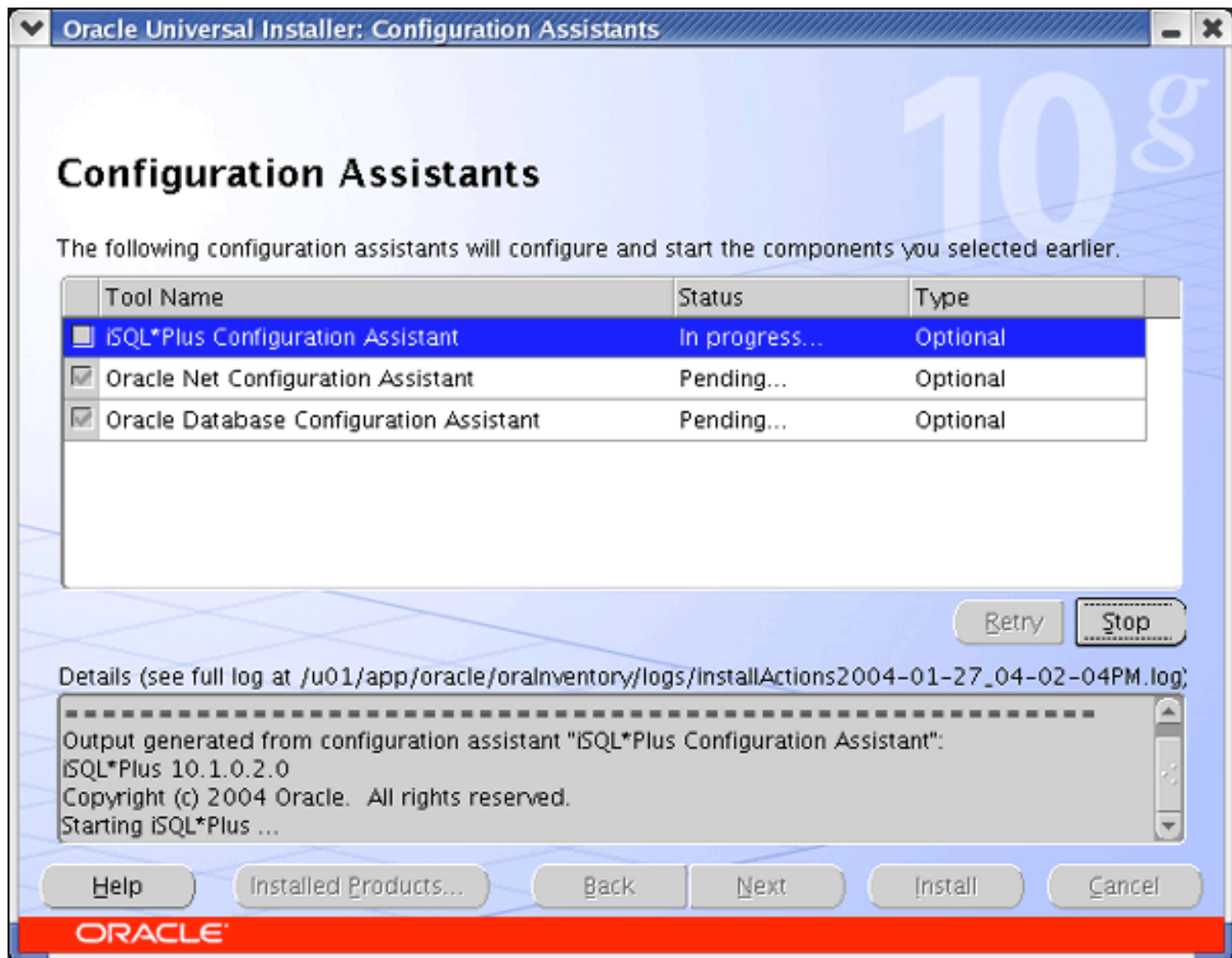iew a complete list of locked accounts or to manage the database accounts. From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account.

Password Management...

OK

When the Setup Privileges window appears, open a new terminal window.

21.

Setup Privileges

A configuration script needs to be run as root before installation can proceed. Leaving this window open, open another window and run '/u01/app/oracle/product/10.1.0/db_1/root.sh' as root, then return to this window and click OK to continue.

OK

22.
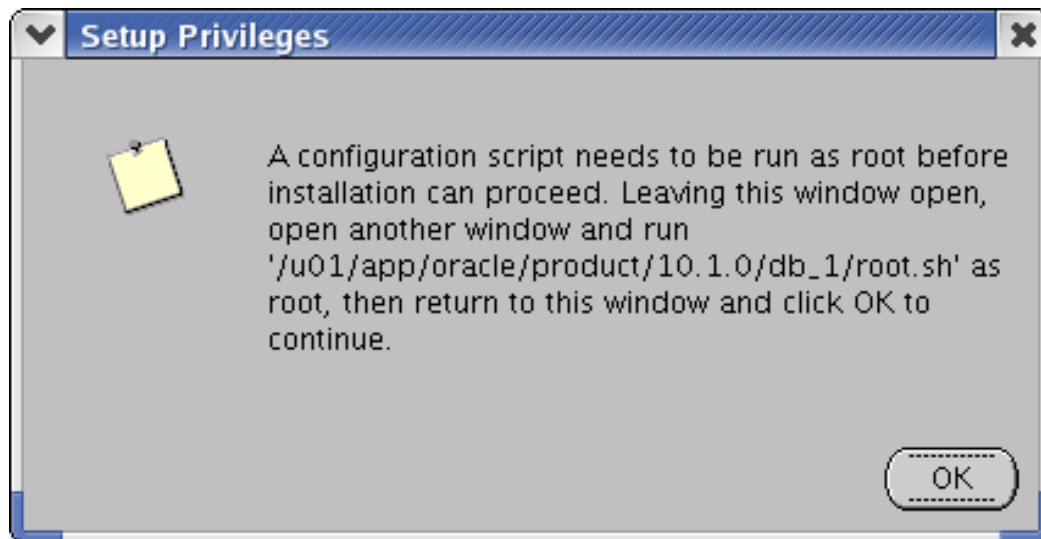
You need to execute **root.sh** as the **root** user. Open a terminal window and enter the following commands:

```
cd $ORACLE_BASE/product/10.1.0/db_1
su
<rootpassword>
./root.sh
exit
exit
```

```
oracle@testbox01:/u01/app/oracle/product/10.1.0/db_1                              _ ☐ ✖

File   Edit   View   Terminal   Go   Help

[oracle@testbox01 oracle]$ cd $ORACLE_BASE/product/10.1.0/db_1
[oracle@testbox01 db_1]$ su
Password:
[root@testbox01 db_1]# ./root.sh
Running Oracle10 root.sh script...
\nThe following environment variables are set as:
    ORACLE_OWNER= oracle
    ORACLE_HOME=  /u01/app/oracle/product/10.1.0/db_1

Enter the full pathname of the local bin directory: [/usr/local/bin]:
   Copying dbhome to /usr/local/bin ...
   Copying oraenv to /usr/local/bin ...
   Copying coraenv to /usr/local/bin ...

\nCreating /etc/oratab file...
Adding entry to /etc/oratab file...
Entries will be added to the /etc/oratab file as needed by
Database Configuration Assistant when a database is created
Finished running generic part of root.sh script.
Now product-specific root actions will be performed.
/etc/oracle does not exist. Creating it now.
Successfully accumulated necessary OCR keys.
Creating OCR keys for user 'root', privgrp 'root'..
Operation successful.
Oracle Cluster Registry for cluster has been initialized

Adding to inittab.
Checking the status of Oracle init process...
Expecting the CRS daemons to be up within 600 seconds.
CSS is active on these nodes.
        testbox01
CSS is active on all nodes.
Oracle CSS service is installed and running under init(1M)
[root@testbox01 db_1]# █
```
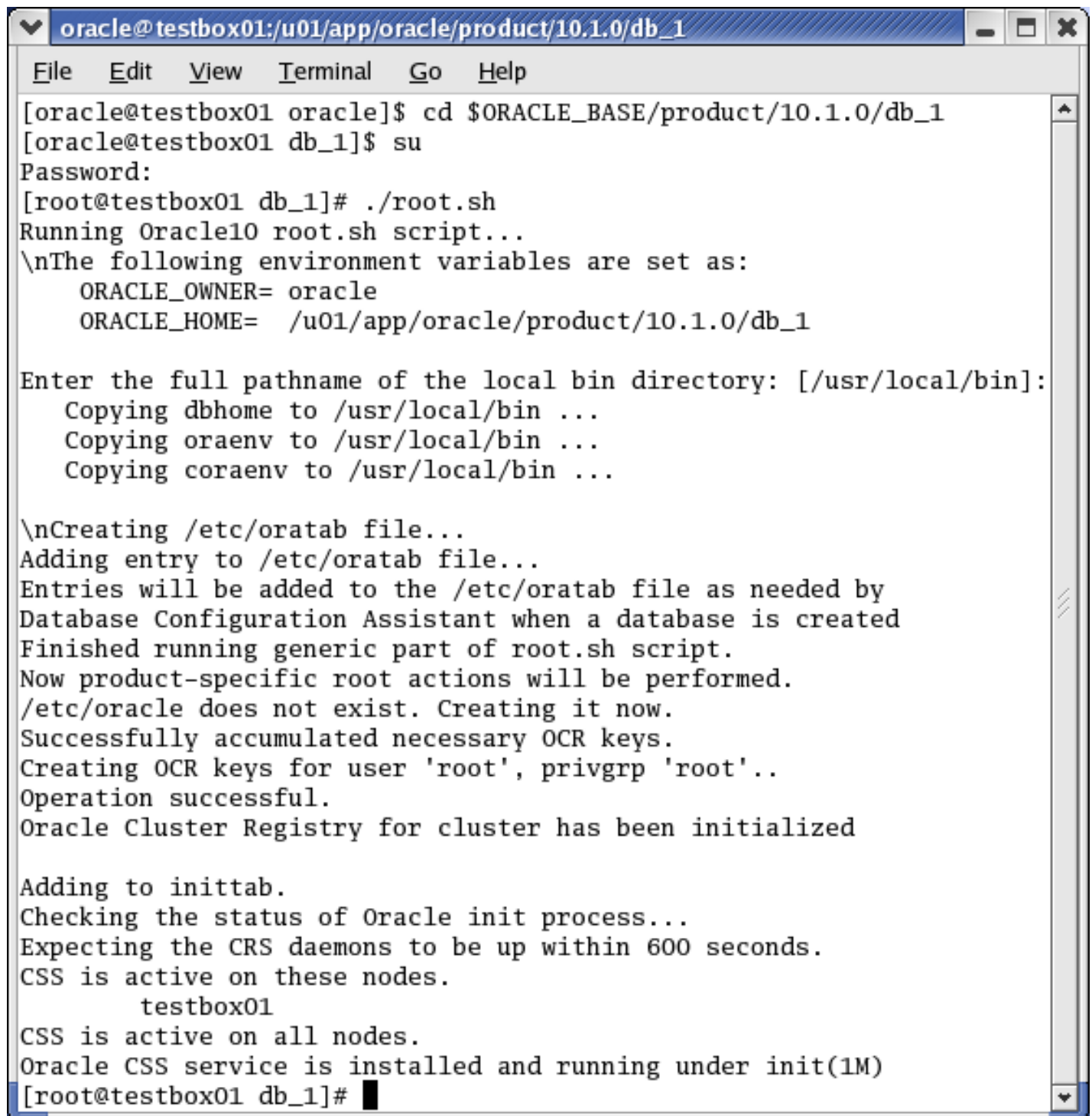
[root@testbox01 db_1]# █

23.   End of installation summary. The ports shown in the summary can be found in **$ORACLE_BASE/product/10.1.0/db_1/portlist.ini** . Click **OK** .

Oracle Universal Installer: End of Installation

10*g*

End of Installation

The installation of Oracle Database 10g was successful.

Please remember...

The following J2EE Applications have been deployed and are accessible at the URLs listed below.

Ultra Search URL:
http://smtaylor-lap-linux.us.oracle.com:5620/ultrasearch

Ultra Search Administration Tool URL:
http://smtaylor-lap-linux.us.oracle.com:5620/ultrasearch/admin

iSQL*Plus URL:
http://smtaylor-lap-linux.us.oracle.com:5560/isqlplus

Enteprise Manager 10g Database Control URL:
http://smtaylor-lap-linux.us.oracle.com:5500/em

Help   Installed Products...   Back   Next   Install   Exit

ORACLE

Click **Yes** to exit.

24.

Exit

Do you really want to exit?

Yes   No