

Installing Oracle9i JDeveloper on Linux

Purpose

This module describes how to install and configure Oracle9i JDeveloper on Linux.

Topics

This lesson will discuss the following:

- ☒ [Overview](#)
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- ☒ [Checking the System Requirements](#)
- ☒ [Installing Sun SDK 1.3.1_02 for Linux](#)
- ☒ [Installing JDeveloper](#)
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Overview

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You will install the Oracle9i JDeveloper 9.0.3.2 software on Linux.

Prerequisites

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

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

Checking the System Requirements

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The following list contains the minimum system requirements for JDeveloper.

- ☒ Red Hat 2.1AS
- ☒ Pentium III 500 MHz
- ☒ 256 MB RAM
- ☒ 275 MB hard drive disk space for complete install

Installing Sun SDK 1.3.1_02 for Linux

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In order for JDeveloper to run successfully, you need to install Sun SDK release 1.3.1_02. Perform the following steps:

1. Download the self-extracting binary file from Sun at <http://java.sun.com/products/archive/index.html> to your linux machine. Place in the `/stage` directory.

Note: If you do not have a `/stage` directory, execute the following commands from a terminal window:

```
cd /
su
<password>
mkdir /stage
chown oracle:dba /stage
chmod 755 /stage
exit
```

2. Open a terminal window and execute the following:

```
cd /usr
su
<password>
chown oracle:dba /usr/java
chmod 755 /usr/java
exit
cd java
cp /stage/j2sdk-1_3_1_02-linux-i386.bin j2sdk-1_3_1_02-linux-i386.bin
chmod a+x j2sdk-1_3_1_02-linux-i386.bin

./j2sdk-1_3_1_02-linux-i386.bin
```

The SDK has been installed.

Installing JDeveloper

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To install JDeveloper, perform the following steps:

1. Download the Oracle9i JDeveloper 9.0.3.2 version from <http://otn.oracle.com/software/products/jdev/index.html> to your linux machine. Place in the `/stage` directory.
2. Open a terminal window and execute the following:

```
cd /oracle
mkdir jdev9032
cd jdev9032
unzip /stage/jdev9032.zip
```

The files all exist and the product has been installed.

Configuring JDeveloper and SDK

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There are a few tasks to be performed before you can run JDeveloper. Perform the following steps:

Open gedit and open the `/oracle/jdev9032/jdev/bin/jdev.conf` file.

- 1.

Find the SetJavaHome parameter and add the following line:

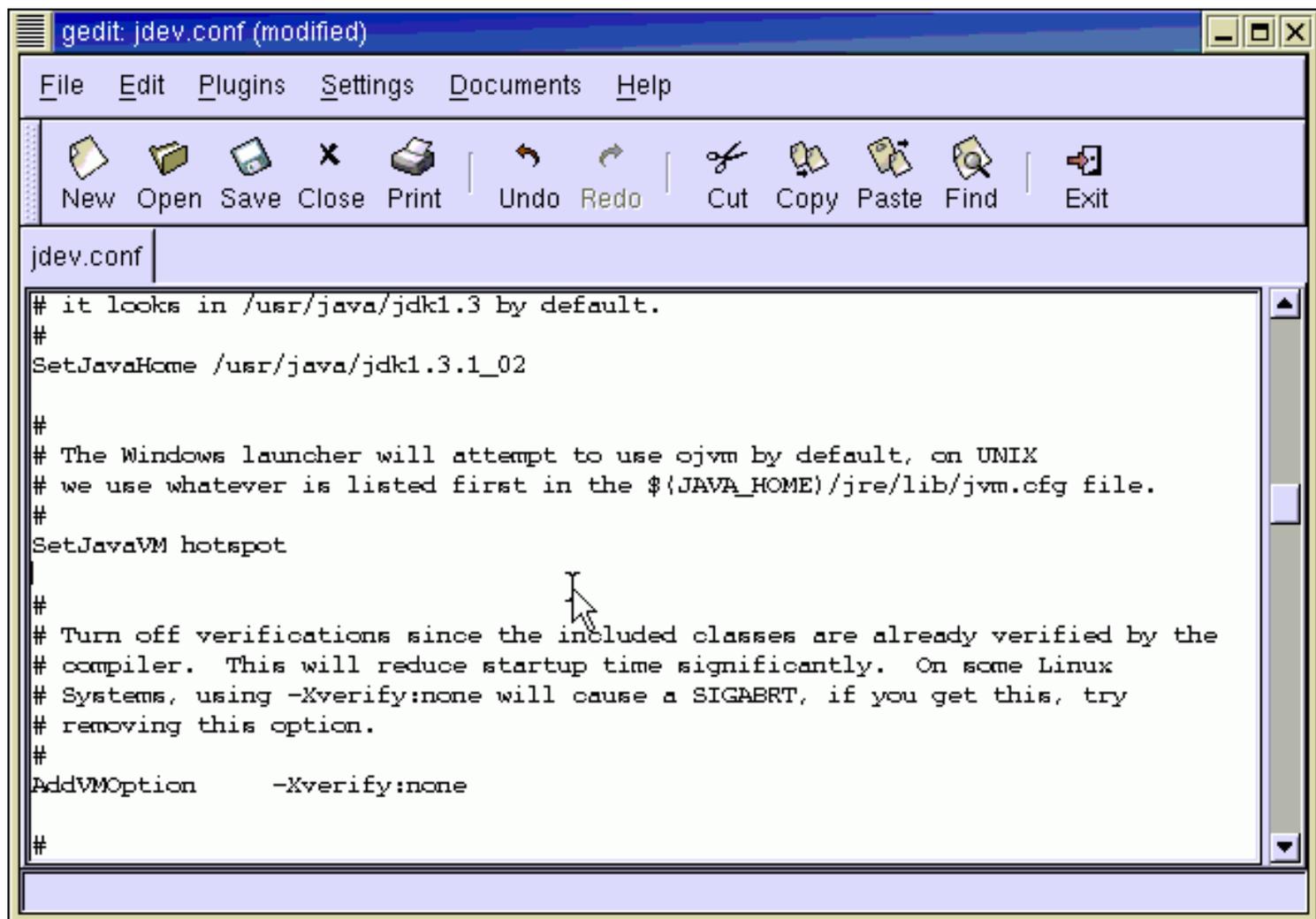
2.

```
SetJavaHome /usr/java/jdk1.3.1_02
```

Find the SetJavaVM parameter and add a line containing the name of the Java Virtual Machine you want to use ("Hotspot" is an example):

3.

```
SetJavaVM hotspot
```



Save the `jdev.conf` file and exit gedit.

4.

Modifying your `.bash_profile`

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Now that you have installed JDeveloper, you need to update the `/home/oracle/.bash_profile` and change your path accordingly. Perform the following steps:

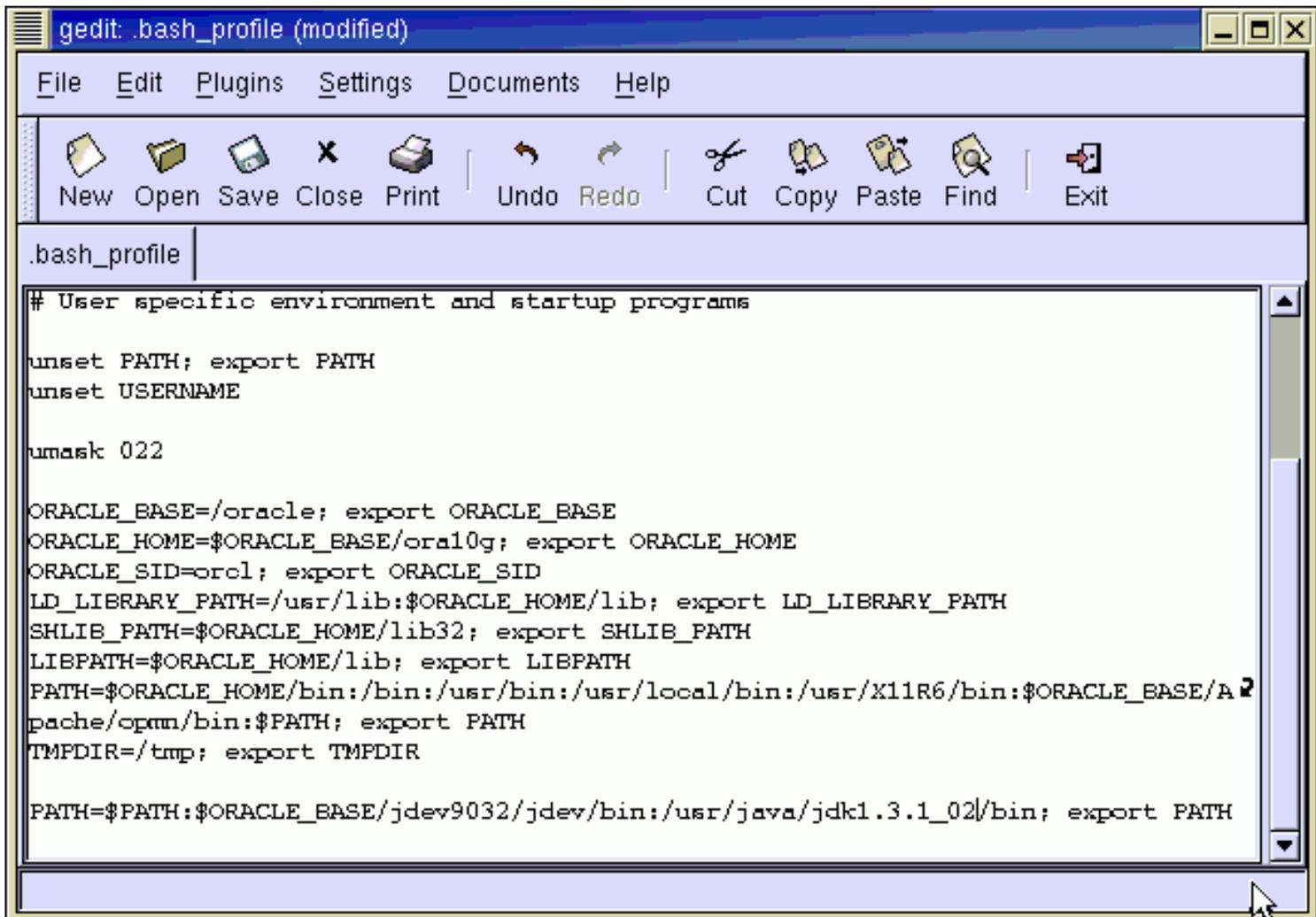
Open gedit and open the `/home/oracle/.bash_profile` file.

1.

Make sure the PATH is set to the following:

2.

```
PATH=$PATH:$ORACLE_BASE/jdev9032/jdev/bin:/usr/java/jdk1.3.1_02/bin;  
export PATH
```



Save the `.bash_profile` file and exit gedit.

3.

You now need to source the file. Open a terminal window and execute the following commands:

4.

```
cd
. ~/.bash_profile
```

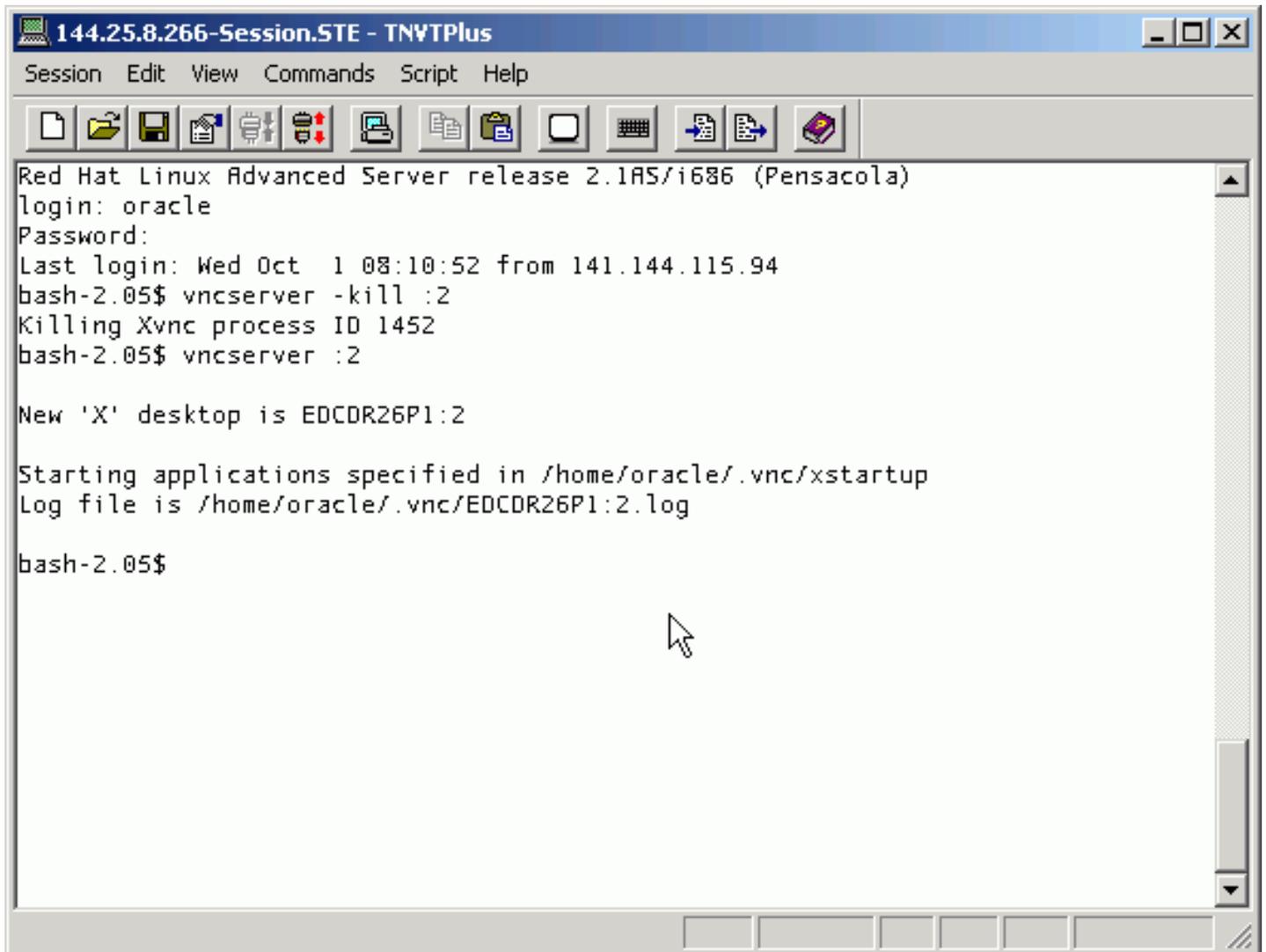
Stopping and Starting VNC (Optional)

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In order for your changes to take effect, you may need to stop and start VNC. This step is only needed if you are accessing the Linux machine remotely. Perform the following steps:

1. From a **telnet** window logged in as the oracle user, execute the following commands:

```
vncserver -kill :2  
vncserver :2
```



The screenshot shows a terminal window titled "144.25.8.266-Session.STE - TNVTPlus". The terminal output is as follows:

```
Red Hat Linux Advanced Server release 2.1AS/i686 (Pensacola)  
login: oracle  
Password:  
Last login: Wed Oct 1 08:10:52 from 141.144.115.94  
bash-2.05$ vncserver -kill :2  
Killing Xvnc process ID 1452  
bash-2.05$ vncserver :2  
  
New 'X' desktop is EDCDR26P1:2  
  
Starting applications specified in /home/oracle/.vnc/xstartup  
Log file is /home/oracle/.vnc/EDCDR26P1:2.log  
  
bash-2.05$
```

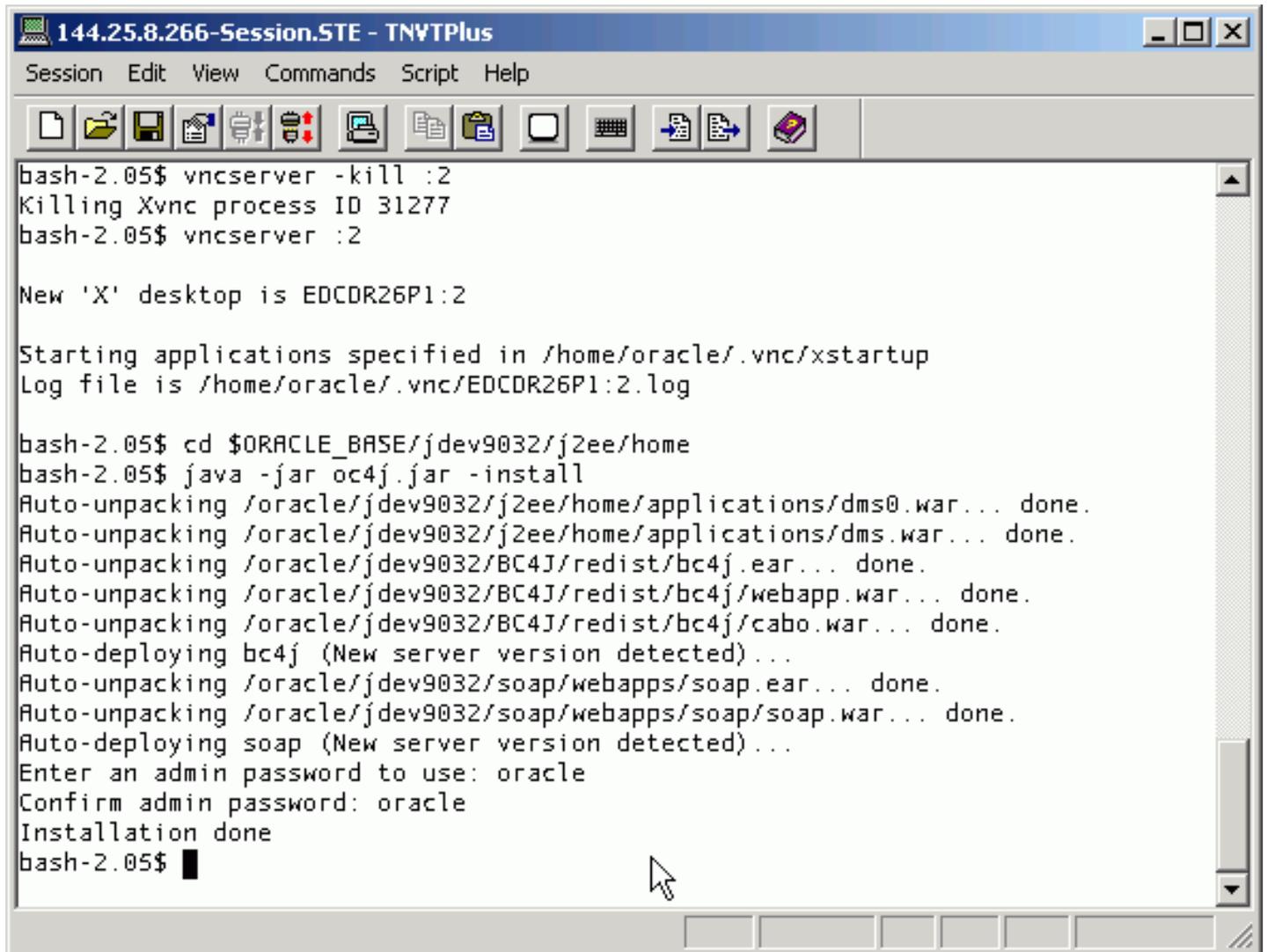
Configuring OC4J

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In order to deploy applications in JDeveloper, you need to configure OC4J. Perform the following steps:

1. From your terminal window, execute the following:

```
cd $ORACLE_BASE/jdev9032/j2ee/home
java -jar oc4j.jar -install
```



```
bash-2.05$ vncserver -kill :2
Killing Xvnc process ID 31277
bash-2.05$ vncserver :2

New 'X' desktop is EDCDR26P1:2

Starting applications specified in /home/oracle/.vnc/xstartup
Log file is /home/oracle/.vnc/EDCDR26P1:2.log

bash-2.05$ cd $ORACLE_BASE/jdev9032/j2ee/home
bash-2.05$ java -jar oc4j.jar -install
Auto-unpacking /oracle/jdev9032/j2ee/home/applications/dms0.war... done.
Auto-unpacking /oracle/jdev9032/j2ee/home/applications/dms.war... done.
Auto-unpacking /oracle/jdev9032/BC4J/redis/bc4j.ear... done.
Auto-unpacking /oracle/jdev9032/BC4J/redis/bc4j/webapp.war... done.
Auto-unpacking /oracle/jdev9032/BC4J/redis/bc4j/cabo.war... done.
Auto-deploying bc4j (New server version detected)...
Auto-unpacking /oracle/jdev9032/soap/webapps/soap.ear... done.
Auto-unpacking /oracle/jdev9032/soap/webapps/soap/soap.war... done.
Auto-deploying soap (New server version detected)...
Enter an admin password to use: oracle
Confirm admin password: oracle
Installation done
bash-2.05$ █
```

Modifying Permissions of Files on Linux

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There are a few tasks to be performed before you can run JDeveloper. Perform the following steps:

1. All JDeveloper files must have read permissions. Open a terminal window and execut the following command:

```
chmod -R g+r /oracle/jdev9032
```

2. Users (or groups) must have write and execute permissions for the following files:

```
<jdev_install>/jdev/bin/jdev  
<jdev_install>/jdev/bin/ojc  
<jdev_install>/jdev/bin/start_oc4j  
<jdev_install>/jdev/bin/stop_oc4j
```

From your terminal window, execute the following commands:

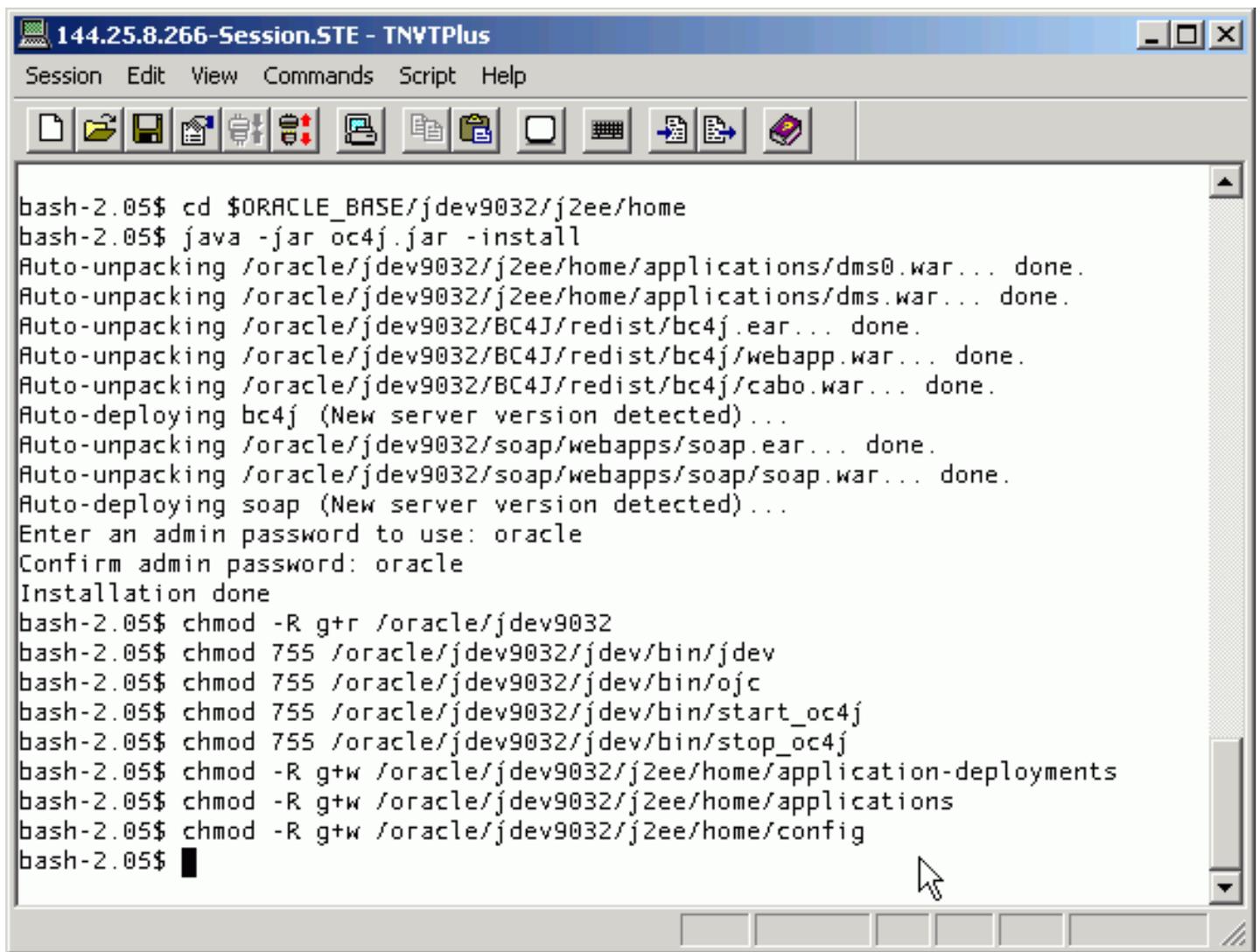
```
chmod 755 /oracle/jdev9032/jdev/bin/jdev  
chmod 755 /oracle/jdev9032/jdev/bin/ojc  
chmod 755 /oracle/jdev9032/jdev/bin/start_oc4j  
chmod 755 /oracle/jdev9032/jdev/bin/stop_oc4j
```

3. In addition, users (or groups) must have write permissions for the following (required for deployment):

```
<jdev_install>/j2ee/home/application-deployments  
<jdev_install>/j2ee/home/applications  
<jdev_install>/j2ee/home/config
```

From your terminal window, execute the following commands:

```
chmod -R g+w /oracle/jdev9032/j2ee/home/application-deployments  
chmod -R g+w /oracle/jdev9032/j2ee/home/applications  
chmod -R g+w /oracle/jdev9032/j2ee/home/config
```



```
144.25.8.266-Session.STE - TNVTPlus
Session Edit View Commands Script Help

bash-2.05$ cd $ORACLE_BASE/jdev9032/j2ee/home
bash-2.05$ java -jar oc4j.jar -install
Auto-unpacking /oracle/jdev9032/j2ee/home/applications/dms0.war... done.
Auto-unpacking /oracle/jdev9032/j2ee/home/applications/dms.war... done.
Auto-unpacking /oracle/jdev9032/BC4J/redist/bc4j.ear... done.
Auto-unpacking /oracle/jdev9032/BC4J/redist/bc4j/webapp.war... done.
Auto-unpacking /oracle/jdev9032/BC4J/redist/bc4j/cabo.war... done.
Auto-deploying bc4j (New server version detected)...
Auto-unpacking /oracle/jdev9032/soap/webapps/soap.ear... done.
Auto-unpacking /oracle/jdev9032/soap/webapps/soap/soap.war... done.
Auto-deploying soap (New server version detected)...
Enter an admin password to use: oracle
Confirm admin password: oracle
Installation done
bash-2.05$ chmod -R g+r /oracle/jdev9032
bash-2.05$ chmod 755 /oracle/jdev9032/jdev/bin/jdev
bash-2.05$ chmod 755 /oracle/jdev9032/jdev/bin/ojc
bash-2.05$ chmod 755 /oracle/jdev9032/jdev/bin/start_oc4j
bash-2.05$ chmod 755 /oracle/jdev9032/jdev/bin/stop_oc4j
bash-2.05$ chmod -R g+w /oracle/jdev9032/j2ee/home/application-deployments
bash-2.05$ chmod -R g+w /oracle/jdev9032/j2ee/home/applications
bash-2.05$ chmod -R g+w /oracle/jdev9032/j2ee/home/config
bash-2.05$ █
```

Adding an Icon to your Panel

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When running JDeveloper, it will be helpful to create an icon on your panel. Perform the following steps:

1. Select **Main Menu > Panel > Add to Panel > Launcher** .

2. From the Create Launcher Applet window, enter the following and then click on **No Icon** .

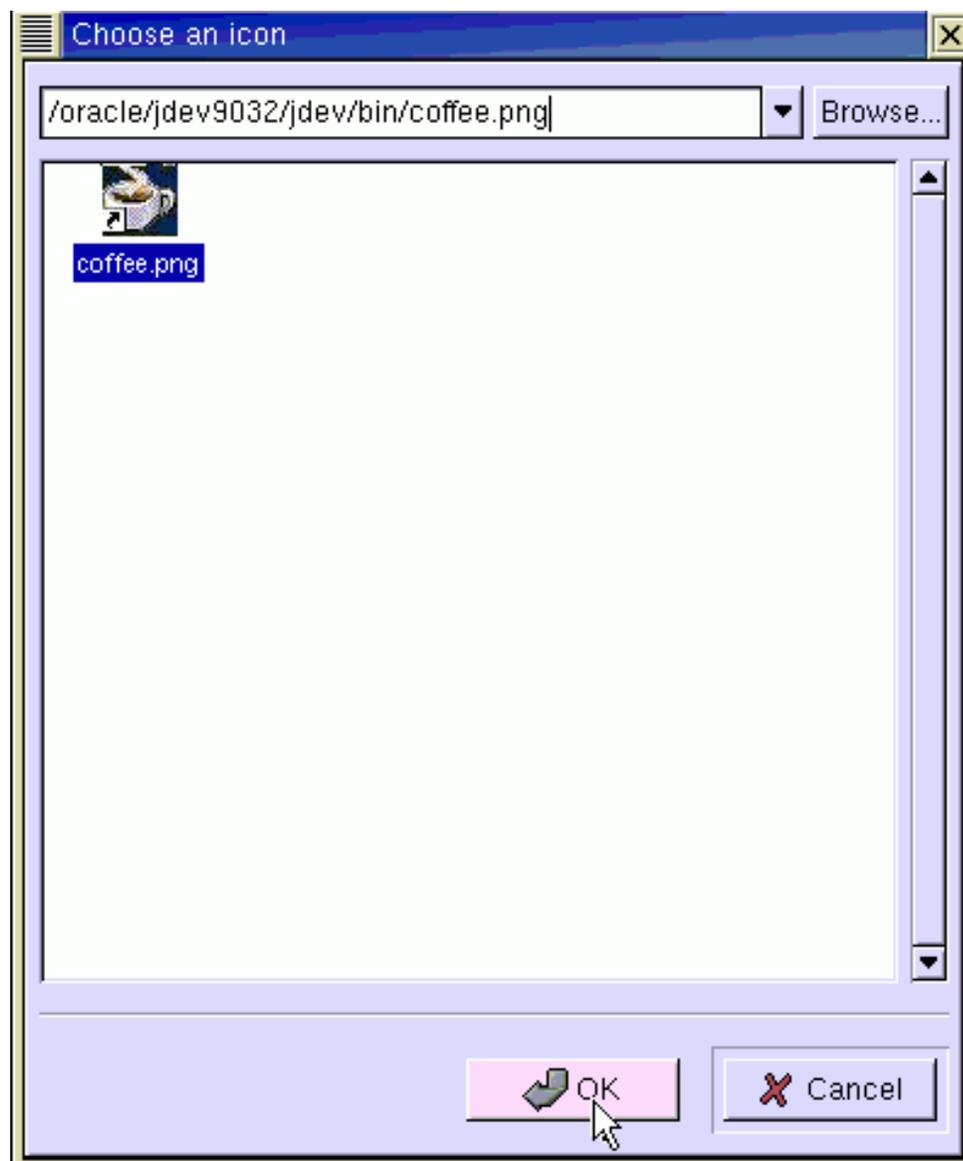
Name: **JDeveloper**

Comment: **JDeveloper**

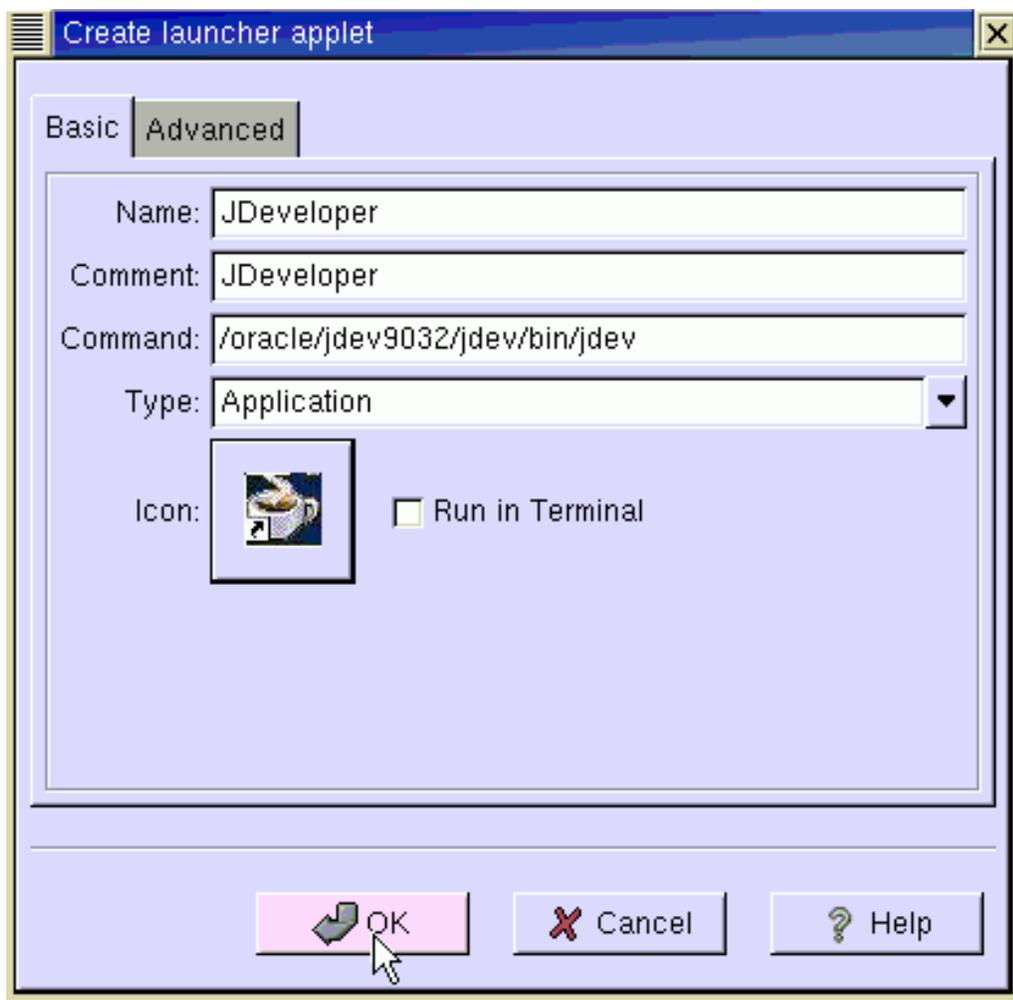
Command: **/oracle/jdev9032/jdev/bin/jdev**



3. Enter **/oracle/jdev9032/jdev/bin** in the directory field and select **coffee.png** , then click **OK** .



4. Click **OK** again to create the icon on the panel.



Running JDeveloper

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To run JDeveloper, perform the following steps:

1. Click on the icon you just created in the panel.

- The first time you run JDeveloper you may get a message stating that your jdevhome directory does not exist, do you want to create it. Click **Yes** .



- The JDeveloper Window will appear.

