

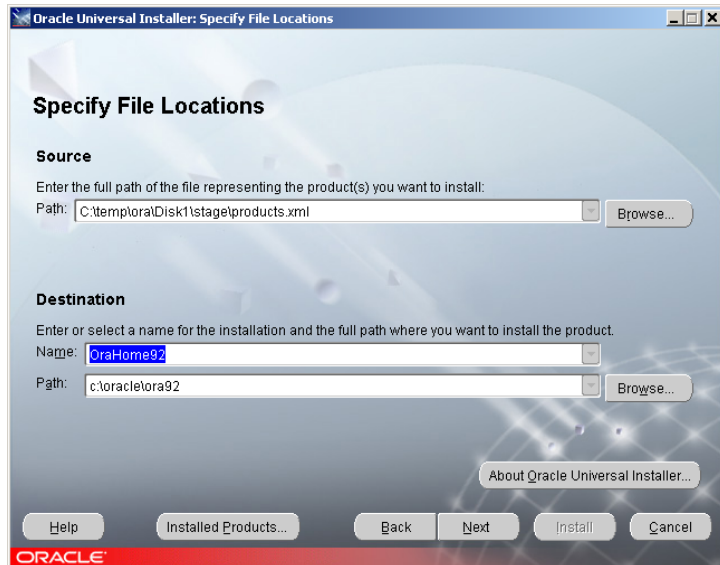
NatureServe Instructions for 9.2.0.6.0 patch.

Server Installation of Oracle 9.2.0.6.0 Patch:

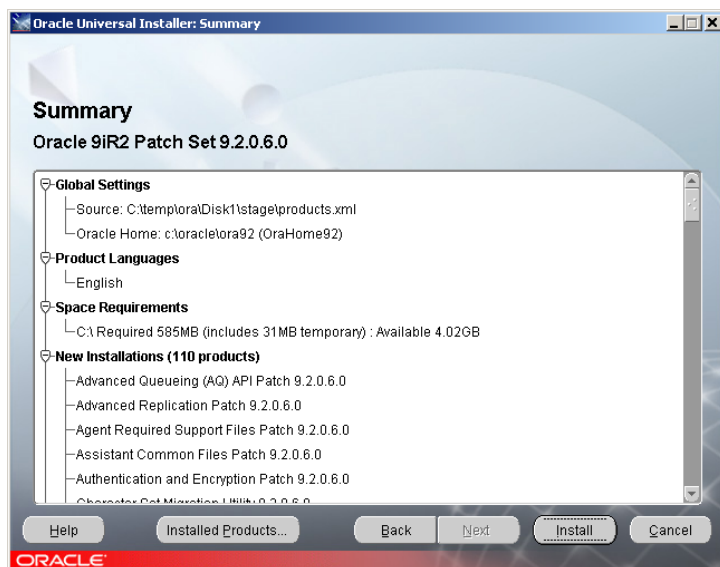
- Before you start this patch you will need to be able to log into the database as the sys user on the database server.
 - Make sure the database is backed up!
1. Unzip the Patch file to the c:\temp directory on the Oracle server
 2. Open a DOS window
c:\>sqlplus /nolog
SQL> conn sys/password@oracle_server as sysdba
 3. Shut down the database:
SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> exit
 4. Exit SQL+
 5. Shut down all Services:
 - a. From the Windows 'Start' menu, choose 'Settings', 'Administrative tools', 'Services'
 - b. Shut down all services that start with the name "Oracle" that say "Started" under the status column.
 - c. Shutdown the "Distributed Transaction Coordinator" Service. Don't forget this or the patch will not be able to overwrite the DLL's.
 6. Now go to the directory where you unzipped the patch (eg. C:\temp) and click on the Disk1/setup.exe file.



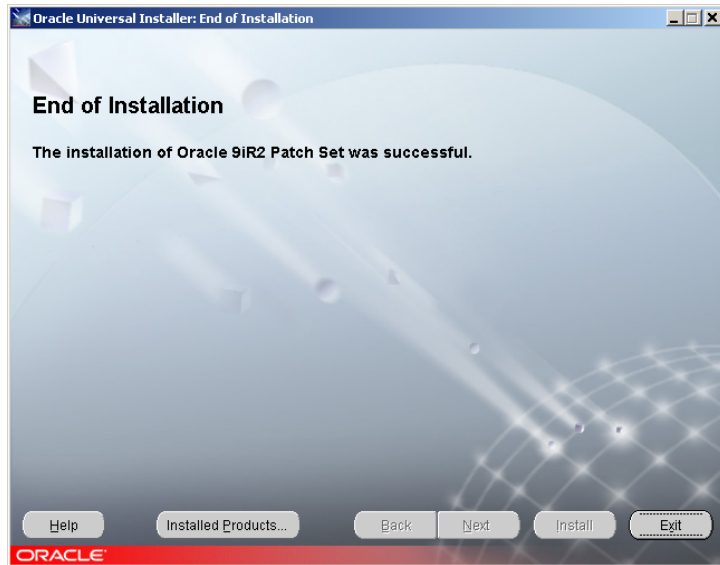
Click next at this screen.



This screen is very important. Make sure in the Name box is the name of your Oracle_home. The path should be where the Oracle software is installed on the server. The default value may not be correct.



Click Install here



OK the patch is installed, hit Exit. However, we are not done yet.

7. Restart the Services: From the Windows 'Start' menu, choose 'Settings', 'Administrative tools', 'Services'
 - a. Start the "Distributed Transaction Coordinator"
 - b. Of the remaining services, start the Oracle listener service first. Start the rest of the Oracle services that you shut down earlier. Don't try to startup any service with startup type of "manual".

Starting the Oracle services will automatically restart the database.

8. Log into the database - at the DOS prompt type:

```
C:\> sqlplus /nolog
SQL> conn sys/password@oracle_server as sysdba
SQL> alter system set shared_pool_size='150M' scope=spfile;
SQL> alter system set java_pool_size='150M' scope=spfile;
```

9. Shutdown the database:

```
SQL> shutdown immediate;
```

10. If you get an error using the next command you will have to reboot the server to get the services to start in the correct order. Start the database in migrate mode:

```
SQL> startup migrate;
```

11. You can put the spool file below anywhere, just make sure it is a real path. It will create a text file called patch.log. Don't use spaces in the directory name:

```
SQL> exec dbms_stats.delete_schema_stats('SYS');
SQL> spool c:\temp\ora\patch.log
```

12. Run the catpatch.sql script as below, it will take about 30-40 min to run:

```
SQL> @c:\oracle\ora92\rdbms\admin\catpatch.sql
SQL> spool off
```

13. Check the spool file for errors. The last part of the spool file gives you the status of your database.

14. Shutdown the database then restart it:

```
SQL> shutdown immediate;
SQL> startup
```

```
SQL> exec dbms_stats.gather_schema_stats('SYS');
```

15. Run this command to compile all the PL/SQL packages

```
SQL> @c:\oracle\ora92\rdbms\admin\utlrp.sql
```

16. Change the java_pool_size back to 32M, we don't use this much for Biotics

```
SQL> alter system set java_pool_size='32M' scope=spfile;
```

17. Exit SQL:

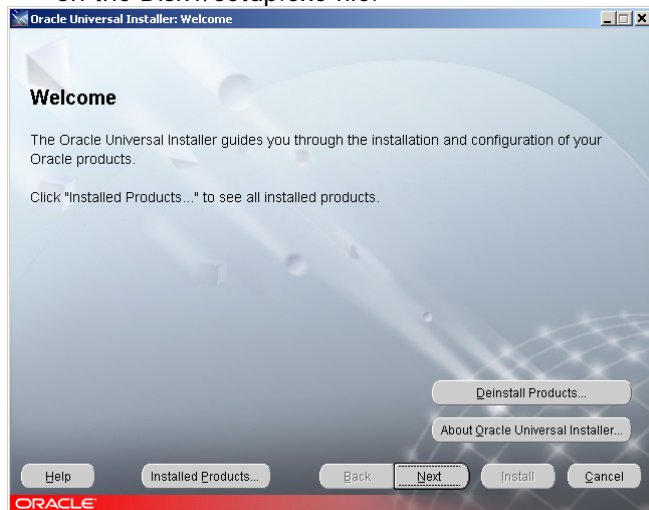
```
SQL> EXIT
```

You are done!

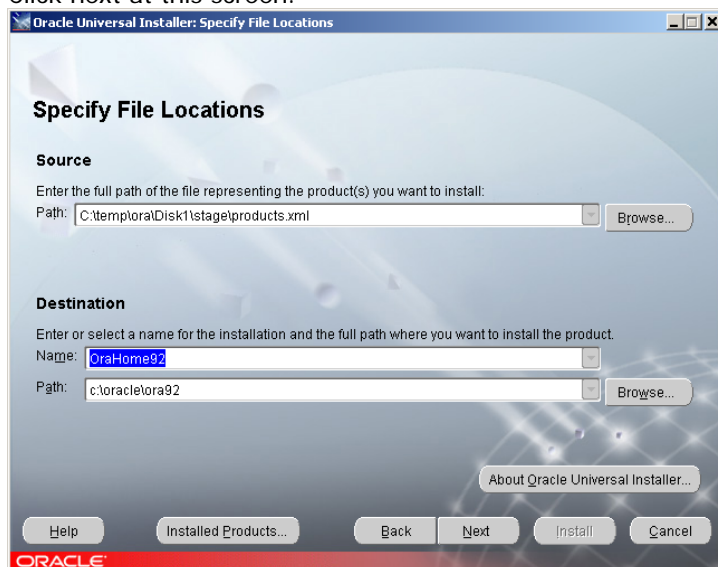
IMPORTANT: Check you daily Oracle export files that we use for the backup. Running patches can break this process sometimes.

Client Installation of Oracle 9.2.0.6.0 Patch:

1. Unzip the Patch file to the c:\temp directory on the Oracle server
2. Shut down all Services:
 - a. From the Windows 'Start' menu, choose 'Settings', 'Control Panel', 'Administrative tools', 'Services'
 - b. Right click on the service called "Distributed Transaction Coordinator" and choose 'Stop' to shutdown the service. Don't forget this or the patch will not be able to overwrite the DLL's.
 - c. For each service that starts with 'Oracle' that say "Started" under the 'Status' column, right click on the service and choose 'Stop'.
3. Install the patch software, found in the directory where you unzipped the patch (eg. C:\temp) and click on the Disk1/setup.exe file.



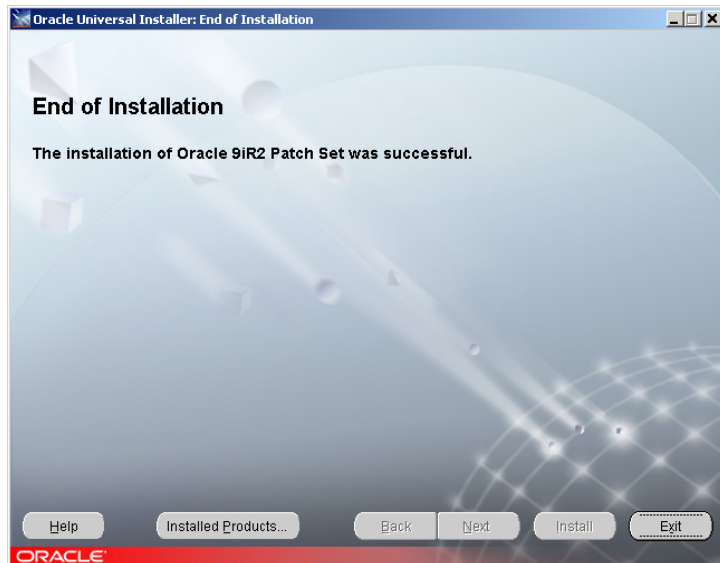
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Click Install here



OK the patch is installed, hit Exit. However, we are not done yet.

4. Restart the services:
 - a. From the Windows 'Start' menu, choose 'Settings', 'Control Panel', 'Administrative tools', 'Services'
 - b. Right click on the service called "Distributed Transaction Coordinator" and choose 'Start' to start the service.
 - c. For each service that starts with 'Oracle' that say "Automatic" under the 'Startup Type' column, right click on the service and choose 'Start'.

You are done!

Steve Moslin