

README for the HP Neoview UNIX Drivers (R2.2.6)



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The HP Neoview UNIX drivers are based on the Microsoft Open Database Connectivity (ODBC) standard. These ODBC drivers enable ODBC clients to access the HP Neoview platform from HP-UX, Linux, IBM AIX®, or Sun Solaris for SPARC® based systems. Connectivity is restricted to the HP Neoview platform, which is an enterprise data warehouse for business intelligence.

What's New

Features in Neoview Release 2.3 Update 1

This version of the driver includes defect repairs.

Features in Neoview Release 2.3

This version of the driver offers these new features:

- Support for new schema level privileges.
- Precision for the NUMERIC datatype is extended.

Features in Neoview Release 2.2 Update 5

This version of the driver includes this new feature:

- New 64-bit Linux IA driver

Features in Neoview Release 2.2 Update 4

This version of the driver includes defect repairs.

Features in Neoview Release 2.2 Update 3

This version of the driver includes defect repairs.

Features in Neoview Release 2.2 Update 2

This version of the driver offers these new features:

- New 64 bit HP-UX (PA-RISC) driver

Features in Neoview Release 2.2 Update 1

This version of the driver offers these new features:

- New 64 bit IBM AIX® driver
- New 32 bit Sun Solaris for SPARC® driver
- New 64 bit Sun Solaris for SPARC® driver

Features in Neoview Release 2.2

This version of the driver offers these new features:

- Support for stored procedure in Java (SPJ) result sets
- New 64 bit HP-UX Itanium driver
- New 64 bit Linux driver

Features in Neoview Release 2.1 Update 1

This version of the driver offers the new IBM AIX® driver.

Features in Neoview Release 2.0

This version of the driver offers these new features:

- Support for the INFOSTATS command in ODBC client applications. INFOSTATS collects statistics for a prepared statement.
- The driver can now display password expiration warnings, and you can change your password during the current session.
- You can use the driver with a third-party driver manager.
- You can set `traceFlags` for successive levels of tracing information, such as errors, warnings, configuration calls, details about configuration calls, and detailed contents of calls for debugging purposes.

Choosing a Version to Download

It is important that you select a version of the driver that is supported by the client workstation and compatible with the version of the Neoview platform. For version compatibility and installation requirements, click the installation link at the bottom of this page.

Related Product Documentation

For more information about the ODBC HP-UX/Linux/IBM AIX®/Sun Solaris for SPARC® drivers, see these documents:

- *HP Neoview ODBC Drivers Manual*

These documents are available on the Business Intelligence Solutions page of docs.hp.com: <http://docs.hp.com/en/busintellsol.html>. The README is also available for downloading with the product.

- **Checking Version Compatibility**
- **Installation for Neoview Release 2.3 Update 1**
- **Installation for Neoview Release 2.3**
- **Installation for Neoview Release 2.2 and Later**
- **Installation for Neoview Release 2.2 Update 4**
- **Installation for Neoview Release 2.2 Update 3**
- **Installation for Neoview Release 2.2 Update 2**
- **Installation for Neoview Release 2.2 Update 1**
- **Installation for Neoview Release 2.2**
- **Installation for Neoview Release 2.1 Update 1**
- **Installation for Neoview Release 2.0**
- **Related Product Documentation**

Checking Version Compatibility

Before installing the driver, check the compatibility of the driver with the Neoview platform.

Driver version	Compatible versions of the Neoview platform
Neoview Release 2.0 driver	All versions up to, but not including, Neoview Release 2.2
Neoview Release 2.1 driver	All versions up to, but not including, Neoview Release 2.2
Neoview Release 2.2 driver	Neoview Release 2.2 and later versions
Neoview Release 2.3 driver	Neoview Release 2.2 and later versions

For information about avoiding driver and Neoview platform version incompatibility, see the *HP Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

Getting the Version of the Driver

1. Move to the directory where you installed the library file of the HP Neoview ODBC driver:

```
cd <your library home>
```

<your library home> is the directory where you installed the library file of the HP Neoview ODBC driver. For details, see the installation instructions.

The nm command returns this version information:

```
_###HPODBC_<v.v[v].v>_<yymmdd>
```

The <v.v[v].v> string is the version number (for example, 2.0.0).

The <yymmdd> string is the date, where yy is the year, mm is the month, and dd is the day (for example, 060419).

2. Retrieve the version string:

- On Linux:
nm libhpodbc.so | grep HPODBC
or
nm libhpodbc_drvr.so | grep HPODBC
- On x86_64 Linux:
nm libhpodbc64.so | grep HPODBC
or
nm libhpodbc_drvr64.so | grep HPODBC
- On IA-64 Linux:
nm libhpodbc.so | grep HPODBC
or
nm libhpodbc_drvr.so | grep HPODBC
- On HP-UX (IA-64) and HP-UX (PA-RISC):
nm libhpodbc.sl | grep HPODBC
or
nm libhpodbc_drvr.sl | grep HPODBC
- On HP-UX (IA-64) 64 bit and HP-UX (PA-RISC) 64 bit:
nm libhpodbc64.sl | grep HPODBC
or
nm libhpodbc_drvr64.sl | grep HPODBC
- On IBM AIX®:
nm libhpodbc.a | grep HPODBC
or
nm libhpodbc_drvr.a | grep HPODBC
- On IBM AIX®: 64 bit
nm libhpodbc64.a | grep HPODBC
or
nm libhpodbc_drvr64.a | grep HPODBC
- On Sun SPARC®:
nm libhpodbc.so | grep HPODBC
or
nm libhpodbc_drvr.so | grep HPODBC
- On Sun SPARC® 64 bit:
nm libhpodbc64.so | grep HPODBC
or
nm libhpodbc_drvr64.so | grep HPODBC

Installation for Neoview Release 2.3 Update 1

- **Installation Package**
- **Installation Instructions**

Installation Package

The HP Neoview UNIX driver software is available in these downloadable distribution files:

Distribution File	Supported Platform	File Contents
hpodbc_<v.v[v].v>_Linux_pkg.tar.gz	Linux	libhpodbc_l.so.<x> libhpodbc_drvr_l.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_Linux64_pkg.tar.gz	x86_64 Linux	libhpodbc_164.so.<x> libhpodbc_drvr_164.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz	HP-UX IA-64	libhpodbc_i.sl.<x> libhpodbc_drvr_i.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz	HP-UX (IA-64) 64 bit	libhpodbc_i64.sl.<x> libhpodbc_i64_drvr.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz	HP-UX PA-RISC	libhpodbc_p.sl.<x> libhpodbc_drvr_p.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

Distribution File	Supported Platform	File Contents
hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz	HP-UX PA-RISC 64 bit	libhpodbc_p64.sl.<x> libhpodbc_drvr_p64.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_AIX_pkg.tar.gz	IBM AIX®	libhpodbc.a.<x>.gcc libhpodbc.a.<x>.xlc libhpodbc_drvr.a.<x>.gcc libhpodbc_drvr.a.<x>.xlc MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz	IBM AIX® 64 bit	libhpodbc64.a.<x>.gcc libhpodbc64.a.<x>.xlc libhpodbc64_drvr.a.<x>.gcc libhpodbc64_drvr.a.<x>.xlc MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz	Sun SPARC®	libhpodbc_ss.so.<x> libhpodbc_drvr_ss.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz	Sun SPARC® 64 bit	libhpodbc_ss64.so.<x> libhpodbc_drvr_ss64.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

By default, a new version of the HP Neoview ODBC driver is installed in these directories unless you specify different directories during installation:

- /usr/lib

Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20_64.

- /usr/include/hpodbcc
- /etc/hpodbcc
- /etc/hpodbcc/sample

Installation Instructions

Installing or Reinstalling the HP Neoview UNIX Drivers

Note: You must have root access to install the HP Neoview UNIX drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site:
www.software.hp.com.
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX/LINUX/ IBM AIX®/Sun Solaris for SPARC® Drivers link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, HP-UX PA-RISC 64-bit, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
 - Linux: hpodbcc_<v.v[v].v>_LINUX_pkg.tar.gz
 - x86_64 Linux: hpodbcc_<v.v[v].v>_LINUX64_pkg.tar.gz
 - HP-UX (IA-64): hpodbcc_<v.v[v].v>_HPUX_I_pkg.tar.gz
 - HP-UX (IA-64) 64 bit: hpodbcc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): hpodbcc_<v.v[v].v>_HPUX_P_pkg.tar.gz
 - HP-UX (PA-RISC) 64 bit: hpodbcc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz
 - IBM AIX®: hpodbcc_<v.v[v].v>_AIX_pkg.tar.gz
 - IBM AIX® 64 bit: hpodbcc_<v.v[v].v>_AIX64_pkg.tar.gz
 - Sun SPARC®: hpodbcc_<v.v[v].v>_SPARC_pkg.tar.gz
 - Sun SPARC® 64 bit: hpodbcc_<v.v[v].v>_SPARC64_pkg.tar.gz
7. Expand the installation and product files:
 - Linux: gunzip hpodbcc_<v.v[v].v>_LINUX_pkg.tar.gz
 - x86_64 Linux: gunzip hpodbcc_<v.v[v].v>_LINUX64_pkg.tar.gz
 - HP-UX (IA-64): gunzip hpodbcc_<v.v[v].v>_HPUX_I_pkg.tar.gz
 - HP-UX (IA-64) 64 bit: gunzip hpodbcc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): gunzip hpodbcc_<v.v[v].v>_HPUX_P_pkg.tar.gz
 - HP-UX (PA-RISC) 64 bit: gunzip hpodbcc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz
 - IBM AIX®: gunzip hpodbcc_<v.v[v].v>_AIX_pkg.tar.gz
 - IBM AIX® 64 bit: gunzip hpodbcc_<v.v[v].v>_AIX64_pkg.tar.gz
 - Sun SPARC®: gunzip hpodbcc_<v.v[v].v>_SPARC_pkg.tar.gz
 - Sun SPARC® 64 bit: gunzip hpodbcc_<v.v[v].v>_SPARC64_pkg.tar.gz
8. Extract the installation and product files. A directory called PkgTmp is created.
 - Linux: tar -xvf hpodbcc_<v.v[v].v>_LINUX_pkg.tar
 - x86_64 Linux: tar -xvf hpodbcc_<v.v[v].v>_LINUX64_pkg.tar
 - HP-UX (IA-64): tar -xvf hpodbcc_<v.v[v].v>_HPUX_I_pkg.tar
 - HP-UX (IA-64) 64 bit: tar -xvf hpodbcc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): tar -xvf hpodbcc_<v.v[v].v>_HPUX_P_pkg.tar

- HP-UX (PA-RISC) 64 bit: tar -xvf hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz
 - IBM AIX®: tar -xvf hpodbc_<v.v[v].v>_AIX_pkg.tar
 - IBM AIX® 64 bit: tar -xvf hpodbc_<v.v[v].v>_AIX64_pkg.tar
 - Sun SPARC®: tar -xvf hpodbc_<v.v[v].v>_SPARC_pkg.tar
 - Sun SPARC® 64 bit: tar -xvf hpodbc_<v.v[v].v>_SPARC64_pkg.tar
9. Install the product:
- ```
cd PkgTmp
./install.sh
```
- Note: Except for the sample file, the install.sh script saves a copy (.SAV) of your previous installation files if they exist.
10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (/usr/lib).  
Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.  
Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.  
Note: For the AIX drivers, a prompt will ask if you want to install the HP ODBC library that was compiled, the AIX xlc/xlc++ compilers or the gcc/g++ compiler for AIX.
12. Enter a directory for the data source template file, or press Enter to use the default directory (/etc/hpodbc).
13. Enter a directory for the include files, or press Enter to use the default directory (/usr/include/hpodbc).
14. Enter a directory for the sample program, or press Enter to use the default directory (/etc/hpodbc/sample).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (\*.h) files are in the /usr/include/hpodbc directory.
- An MXODSN file is in the /etc/hpodbc directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodbc/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodbc) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to libhpodbc\_drvr and not to libhpodbc.
- The driver (libhpodbc\_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:

<http://www.iodbc.org/>

<http://www.unixodbc.org/>

- The three environment variables that control tracing are:
  - HPODBC\_TRACE\_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
  - HPODBC\_TRACEFILE\_NAME — specifies the name of the log file
  - HPODBC\_TRACEFILE\_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to `odbc.ini`). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the `hpodbc` driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:
 

```
cd /etc/hpodbc/sample
```
2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX(IA-64) and the `x86_64` Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an `x86-64` machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On `x86_64` Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lhpodbc lstd_v2 -lCsup -lunwind -lm -o connect_test
```

Note: Multi-threaded applications should use the “`-mt`” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the `pthread` library is linked in and it is linked in ahead of the `libc` library.

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/hpux64 -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`
- Run this command:  
`cc connect_test.c +DD64 -I/usr/include/hpodbcc -L/usr/lib/hpux64 \`  
`-lhpodbc64 -lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test`

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc -lhppa -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:  
`cc connect_test.c -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test`

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/pa20_64 -I/usr/include/hpodbcc \
-lhpodbcc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:  
`cc +DD64 connect_test.c -L/usr/lib/pa20_64 -I/usr/include/hpodbcc \`  
`-lstd_v2 -lCsup_v2 -lcl -lm -lhpodbc64 -o connect_test`

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On IBM AIX®:

```
g++ -maix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc -o connect_test
```

or, if the xlc/xlc++ compiled HP ODBC library is installed:

```
xlc++ -q32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc -o connect_test
```

- On IBM AIX® 64 bit:

```
g++ -maix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc64 -o connect_test
```

or, if the xlc/xlc++ compiled HP ODBC library is installed:

```
xlc++ -q64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc64 -o connect_test
```

- On Sun SPARC®:  
cc connect\_test.cpp -I/usr/include/hpodbcc -L/usr/lib \  
-lhpodbc -o connect\_test
  - On Sun SPARC® 64 bit:  
cc -xarch=v9a connect\_test.cpp -I/usr/include/hpodbcc -L/usr/lib \  
-lhpodbc64 -o connect\_test
3. If needed, modify the /etc/hpodbc/MXODSN file.
  4. Run the sample program:  
./connect\_test -d <datasource> -u <userid> -p <password>

## Installation for Neoview Release 2.3

- **Installation Package**
- **Installation Instructions**

### Installation Package

The HP Neoview UNIX driver software is available in these downloadable distribution files:

| Distribution File                     | Supported Platform | File Contents                                                                                                                                               |
|---------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbcc_<v.v[v].v>_Linux_pkg.tar.gz   | Linux              | libhpodbcc_1.so.<x><br>libhpodbcc_drvr_1.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbccext.h<br>install.h<br>connect_test.cpp     |
| hpodbcc_<v.v[v].v>_Linux64_pkg.tar.gz | x86_64 Linux       | libhpodbcc_164.so.<x><br>libhpodbcc_drvr_164.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbccext.h<br>install.h<br>connect_test.cpp |
| hpodbcc_<v.v[v].v>_HPUX_I_pkg.tar.gz  | HP-UX IA-64        | libhpodbcc_i.sl.<x><br>libhpodbcc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbccext.h<br>install.h<br>connect_test.cpp     |

| Distribution File                      | Supported Platform   | File Contents                                                                                                                                              |
|----------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz | HP-UX (IA-64) 64 bit | libhpodbc_i64.sl.<x><br>libhpodbc_i64_drvr.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbcext.h<br>install.h<br>connect_test.cpp   |
| hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz    | HP-UX PA-RISC        | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbcext.h<br>install.h<br>connect_test.cpp       |
| hpodbc_<v.v[v].v>_AIX_pkg.tar.gz       | IBM AIX®             | libhpodbc.a.<x><br>libhpodbc_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbcext.h<br>install.h<br>connect_test.cpp             |
| hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz     | IBM AIX® 64 bit      | libhpodbc64.a.<x><br>libhpodbc64_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbcext.h<br>install.h<br>connect_test.cpp         |
| hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz     | Sun SPARC®           | libhpodbc_ss.so.<x><br>libhpodbc_drvr_ss.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbcext.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz   | Sun SPARC® 64 bit    | libhpodbc_ss64.so.<x><br>libhpodbc_drvr_ss64.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpodbcext.h<br>install.h<br>connect_test.cpp |



By default, a new version of the HP Neoview ODBC driver is installed in these directories unless you specify different directories during installation:

- /usr/lib  
Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview UNIX Drivers

Note: You must have root access to install the HP Neoview UNIX drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site:  
[www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX/LINUX/ IBM AIX®/Sun Solaris for SPARC® Drivers link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
  - Linux: hpodbc\_<v.v[v].v>\_LINUX\_pkg.tar.gz
  - x86\_64 Linux: hpodbc\_<v.v[v].v>\_LINUX64\_pkg.tar.gz
  - HP-UX (IA-64): hpodbc\_<v.v[v].v>\_HPUX\_I\_pkg.tar.gz
  - HP-UX (IA-64) 64 bit: hpodbc\_<v.v[v].v>\_HPUX\_I\_64\_pkg.tar.gz
  - HP-UX (PA-RISC): hpodbc\_<v.v[v].v>\_HPUX\_P\_pkg.tar.gz
  - IBM AIX®: hpodbc\_<v.v[v].v>\_AIX\_pkg.tar.gz
  - IBM AIX® 64 bit: hpodbc\_<v.v[v].v>\_AIX64\_pkg.tar.gz
  - Sun SPARC®: hpodbc\_<v.v[v].v>\_SPARC\_pkg.tar.gz
  - Sun SPARC® 64 bit: hpodbc\_<v.v[v].v>\_SPARC64\_pkg.tar.gz
7. Expand the installation and product files:
  - Linux: gunzip hpodbc\_<v.v[v].v>\_LINUX\_pkg.tar.gz
  - x86\_64 Linux: gunzip hpodbc\_<v.v[v].v>\_LINUX64\_pkg.tar.gz
  - HP-UX (IA-64): gunzip hpodbc\_<v.v[v].v>\_HPUX\_I\_pkg.tar.gz
  - HP-UX (IA-64) 64 bit: gunzip hpodbc\_<v.v[v].v>\_HPUX\_I\_64\_pkg.tar.gz
  - HP-UX (PA-RISC): gunzip hpodbc\_<v.v[v].v>\_HPUX\_P\_pkg.tar.gz
  - IBM AIX®: gunzip hpodbc\_<v.v[v].v>\_AIX\_pkg.tar.gz
  - IBM AIX® 64 bit: gunzip hpodbc\_<v.v[v].v>\_AIX64\_pkg.tar.gz
  - Sun SPARC®: gunzip hpodbc\_<v.v[v].v>\_SPARC\_pkg.tar.gz
  - Sun SPARC® 64 bit: gunzip hpodbc\_<v.v[v].v>\_SPARC64\_pkg.tar.gz
8. Extract the installation and product files. A directory called PkgTmp is created.
  - Linux: tar -xvf hpodbc\_<v.v[v].v>\_LINUX\_pkg.tar
  - x86\_64 Linux: tar -xvf hpodbc\_<v.v[v].v>\_LINUX64\_pkg.tar
  - HP-UX (IA-64): tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_I\_pkg.tar
  - HP-UX (IA-64) 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_I\_64\_pkg.tar.gz
  - HP-UX (PA-RISC): tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_P\_pkg.tar

- IBM AIX®: tar -xvf hpodbc\_<v.v[v].v>\_AIX\_pkg.tar
  - IBM AIX® 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_AIX64\_pkg.tar
  - Sun SPARC®: tar -xvf hpodbc\_<v.v[v].v>\_SPARC\_pkg.tar
  - Sun SPARC® 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_SPARC64\_pkg.tar
9. Install the product:
- ```
cd PkgTmp
./install.sh
```
- Note: Except for the sample file, the install.sh script saves a copy (.SAV) of your previous installation files if they exist.
10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (/usr/lib).
Note: For the HPUX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.
12. Enter a directory for the data source template file, or press Enter to use the default directory (/etc/hpodbc).
13. Enter a directory for the include files, or press Enter to use the default directory (/usr/include/hpodbc).
14. Enter a directory for the sample program, or press Enter to use the default directory (/etc/hpodbc/sample).

Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (*.h) files are in the /usr/include/hpodbc directory.
- An MXODSN file is in the /etc/hpodbc directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodbc/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

For the HPUX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodbc) or the current working directory (CWD) of the application.

Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to libhpodbc_drvr and not to libhpodbc.
- The driver (libhpodbc_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:

<http://www.iodbc.org/>

<http://www.unixodbc.org/>

- The three environment variables that control tracing are:
 - HPODBC_TRACE_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
 - HPODBC_TRACEFILE_NAME — specifies the name of the log file
 - HPODBC_TRACEFILE_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to `odbc.ini`). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the `hpodbc` driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:


```
cd /etc/hpodbc/sample
```
2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX(IA-64) and the `x86_64` Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an `x86-64` machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On `x86_64` Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lhpodbc lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: When linking in the `pthread` library, it should be linked in ahead of `-lhpodbc`.

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/hpux64 -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`
- Run this command:

```
cc connect_test.c +DD64 -I/usr/include/hpodbcc -L/usr/lib/hpux64 \  
-lhpodbc64 -lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: When linking in the `pthread` library, it should be linked in ahead of `-lhpodbc`.

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \  
-lhpodbc -lhppa -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbcc \  
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```

Note: When linking in the `pthread` library, it should be liked in ahead of `-lhpodbc`.

- On IBM AIX®:

```
g++ -mxaix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \  
-lhpodbc -o connect_test
```

- On IBM AIX® 64 bit:

```
g++ -mxaix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \  
-lhpodbc64 -o connect_test
```

- On Sun SPARC®:

```
cc connect_test.cpp -I/usr/include/hpodbcc -L/usr/lib \  
-lhpodbc -o connect_test
```

- On Sun SPARC® 64 bit:

```
cc -xarch=v9a connect_test.cpp -I/usr/include/hpodbcc -L/usr/lib \  
-lhpodbc64 -o connect_test
```

3. If needed, modify the `/etc/hpodbcc/MXODSN` file.

4. Run the sample program:

```
./connect_test -d <datasource> -u <userid> -p <password>
```

Installation for Neoview Release 2.2 and Later

- **Installation Package**
- **Installation Instructions**

Installation Package

The HP Neoview UNIX driver software is available in these downloadable distribution files:

Distribution File	Supported Platform	File Contents
hpodbc_<v.v[v].v>_Linux_pkg.tar.gz	Linux	libhpodbc_l.so.<x> libhpodbc_drvr_l.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_Linux64_pkg.tar.gz	x86_64 Linux	libhpodbc_164.so.<x> libhpodbc_drvr_164.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_LinuxIA64_pkg.tar.gz	IA64 Linux	libhpodbc_lia64.so.<x> libhpodbc_drvr_lia64.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz	HP-UX IA-64	libhpodbc_i.sl.<x> libhpodbc_drvr_i.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz	HP-UX (IA-64) 64 bit	libhpodbc_i64.sl.<x> libhpodbc_i64_drvr.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

Distribution File	Supported Platform	File Contents
hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz	HP-UX PA-RISC	libhpodbc_p.sl.<x> libhpodbc_drvr_p.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz	HP-UX PA-RISC 64 bit	libhpodbc_p64.sl.<x> libhpodbc_drvr_p64.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_AIX_pkg.tar.gz	IBM AIX®	libhpodbc.a.<x>.gcc libhpodbc.a.<x>.xlc libhpodbc_drvr.a.<x>.gcc libhpodbc_drvr.a.<x>.xlc MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz	IBM AIX® 64 bit	libhpodbc64.a.<x>.gcc libhpodbc64.a.<x>.xlc libhpodbc64_drvr.a.<x>.gcc libhpodbc64_drvr.a.<x>.xlc MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

Distribution File	Supported Platform	File Contents
hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz	Sun SPARC®	libhpodbc_ss.so.<x> libhpodbc_drvr_ss.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz	Sun SPARC® 64 bit	libhpodbc_ss64.so.<x> libhpodbc_drvr_ss64.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

By default, a new version of the HP Neoview ODBC driver is installed in these directories unless you specify different directories during installation:

- /usr/lib
 - Note: For the HPUX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.
 - Note: For the HPUX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20_64.
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

Installation Instructions

Installing or Reinstalling the HP Neoview UNIX Drivers

Note: You must have root access to install the HP Neoview UNIX drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: www.software.hp.com.
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX/LINUX/IBM AIX®/Sun Solaris for SPARC® Drivers link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, Linux IA-64, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, HP-UX PA-RISC 64-bit, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
 - Linux: hpodbc_<v.v[v].v>_LINUX_pkg.tar.gz
 - x86_64 Linux: hpodbc_<v.v[v].v>_LINUX64_pkg.tar.gz
 - IA-64 Linux: hpodbc_<v.v[v].v>_LINUXIA64_pkg.tar.gz
 - HP-UX (IA-64): hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz
 - HP-UX (IA-64) 64 bit: hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz

- HP-UX (PA-RISC) 64 bit: `hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz`
 - IBM AIX®: `hpodbc_<v.v[v].v>_AIX_pkg.tar.gz`
 - IBM AIX® 64 bit: `hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz`
 - Sun SPARC®: `hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz`
 - Sun SPARC® 64 bit: `hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz`
7. Expand the installation and product files:
 - Linux: `gunzip hpodbc_<v.v[v].v>_LINUX_pkg.tar.gz`
 - x86_64 Linux: `gunzip hpodbc_<v.v[v].v>_LINUX64_pkg.tar.gz`
 - IA-64 Linux: `gunzip hpodbc_<v.v[v].v>_LINUXIA64_pkg.tar.gz`
 - HP-UX (IA-64): `gunzip hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz`
 - HP-UX (IA-64) 64 bit: `gunzip hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz`
 - HP-UX (PA-RISC): `gunzip hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz`
 - HP-UX (PA-RISC) 64 bit: `gunzip hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz`
 - IBM AIX®: `gunzip hpodbc_<v.v[v].v>_AIX_pkg.tar.gz`
 - IBM AIX® 64 bit: `gunzip hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz`
 - Sun SPARC®: `gunzip hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz`
 - Sun SPARC® 64 bit: `gunzip hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz`
 8. Extract the installation and product files. A directory called `PkgTmp` is created.
 - Linux: `tar -xvf hpodbc_<v.v[v].v>_LINUX_pkg.tar`
 - x86_64 Linux: `tar -xvf hpodbc_<v.v[v].v>_LINUX64_pkg.tar`
 - IA-64 Linux: `tar -xvf hpodbc_<v.v[v].v>_LINUXIA64_pkg.tar`
 - HP-UX (IA-64): `tar -xvf hpodbc_<v.v[v].v>_HPUX_I_pkg.tar`
 - HP-UX (IA-64) 64 bit: `tar -xvf hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz`
 - HP-UX (PA-RISC): `tar -xvf hpodbc_<v.v[v].v>_HPUX_P_pkg.tar`
 - HP-UX (PA-RISC) 64 bit: `tar -xvf hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz`
 - IBM AIX®: `tar -xvf hpodbc_<v.v[v].v>_AIX_pkg.tar`
 - IBM AIX® 64 bit: `tar -xvf hpodbc_<v.v[v].v>_AIX64_pkg.tar`
 - Sun SPARC®: `tar -xvf hpodbc_<v.v[v].v>_SPARC_pkg.tar`
 - Sun SPARC® 64 bit: `tar -xvf hpodbc_<v.v[v].v>_SPARC64_pkg.tar`
 9. Install the product:


```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the `install.sh` script saves a copy (`.SAV`) of your previous installation files if they exist.
 10. Accept the terms of the license agreement.
 11. Enter a directory for the library files, or press Enter to use the default directory (`/usr/lib`).

Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is `/usr/lib/hpux64`.

Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is `/usr/lib/pa20_64`.

Note: For the AIX drivers, a prompt will ask if you want to install the HP ODBC library that was compiled, the AIX `xlc/xlc++` compilers or the `gcc/g++` compiler for AIX.
 12. Enter a directory for the data source template file, or press Enter to use the default directory (`/etc/hpodbc`).
 13. Enter a directory for the include files, or press Enter to use the default directory (`/usr/include/hpodbc`).
 14. Enter a directory for the sample program, or press Enter to use the default directory (`/etc/hpodbc/sample`).

Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (*.h) files are in the /usr/include/hpodbc directory.
- An MXODSN file is in the /etc/hpodbc directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodbc/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

Note: For the HPUX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

Note: For the HPUX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20_64.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodbc) or the current working directory (CWD) of the application.

Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to libhpodbc_drvr and not to libhpodbc.
- The driver (libhpodbc_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:
<http://www.iodbc.org/>
<http://www.unixodbc.org/>
- The three environment variables that control tracing are:
 - HPODBC_TRACE_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
 - HPODBC_TRACEFILE_NAME — specifies the name of the log file
 - HPODBC_TRACEFILE_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to odbc.ini). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the hpodbc driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:

```
cd /etc/hpodbc/sample
```

2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX(IA-64) and the x86_64 Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:
g++ connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test

Note: The Linux driver is a 32-bit driver. If you are using an x86-64 machine, you need to explicitly compile your application as a 32-bit application. For example:

```
g++ connect_test.cpp -m32 -L/usr/lib \  
-I/usr/include/hpodb -lhpodbc -o connect_test
```

- On x86_64 Linux:

```
g++ connect_test.cpp -L/usr/lib -I/usr/include/hpodb \  
-lhpodbc64 -o connect_test
```

- On IA-64 Linux:

```
g++ connect_test.cpp -L/usr/lib -I/usr/include/hpodb \  
-lhpodbc -o connect_test
```

On IA-64 Linux, you will occasionally see warning messages like “unaligned access to 0xa00000020065805f, ip=0xa0000001002a48d1”

This warning can be ignored. To disable these warning messages, enter:

```
prctl --unaligned=silent
```

This turns off all unaligned access warnings for that session.

For more information, see: http://kbase.redhat.com/faq/FAQ_105_9111.shtm

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodb \  
-lhpodbc -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect_test.cpp to connect_test.c.

- Run this command:

```
cc connect_test.c -I/usr/include/hpodb -L/usr/lib \  
-lhpodbc lstd_v2 -lCsup -lunwind -lm -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/hpux64 -I/usr/include/hpodb \  
-lhpodbc64 -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect_test.cpp to connect_test.c

- Run this command:

```
cc connect_test.c +DD64 -I/usr/include/hpodb -L/usr/lib/hpux64 \  
-lhpodbc64 -lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodb \  
-lhpodbc -lhppa -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbc \  
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the `pthread` library is linked in and it is linked in ahead of the `libc` library.

- On HP-UX (PA-RISC) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/pa20_64 -I/usr/include/hpodbc \  
-lhpodbc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:

```
cc +DD64 connect_test.c -L/usr/lib/pa20_64 -I/usr/include/hpodbc \  
-lstd_v2 -lCsup_v2 -lcl -lm -lhpodbc64 -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the `pthread` library is linked in and it is linked in ahead of the `libc` library.

- On IBM AIX®:

```
g++ -maix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \  
-lhpodbc -o connect_test
```

or, if the `xlc/xlc++` compiled HP ODBC library is installed:

```
xlc++ -q32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \  
-lhpodbc -o connect_test
```

- On IBM AIX® 64 bit:

```
g++ -maix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \  
-lhpodbc64 -o connect_test
```

or, if the `xlc/xlc++` compiled HP ODBC library is installed:

```
xlc++ -q64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \  
-lhpodbc64 -o connect_test
```

- On Sun SPARC®:

```
cc connect_test.cpp -I/usr/include/hpodbc -L/usr/lib \  
-lhpodbc -o connect_test
```

- On Sun SPARC® 64 bit:

```
cc -xarch=v9a connect_test.cpp -I/usr/include/hpodbc -L/usr/lib \  
-lhpodbc64 -o connect_test
```

3. If needed, modify the `/etc/hpodbc/MXODSN` file.

4. Run the sample program:

```
./connect_test -d <datasource> -u <userid> -p <password>
```

Installation for Neoview Release 2.2 Update 4

- Installation Package
- Installation Instructions

Installation Package

The HP Neoview UNIX driver software is available in these downloadable distribution files:

Distribution File	Supported Platform	File Contents
hpodbc_<v.v[v].v>_Linux_pkg.tar.gz	Linux	libhpodbc_l.so.<x> libhpodbc_drvr_l.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_Linux64_pkg.tar.gz	x86_64 Linux	libhpodbc_l64.so.<x> libhpodbc_drvr_l64.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz	HP-UX IA-64	libhpodbc_i.sl.<x> libhpodbc_drvr_i.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz	HP-UX (IA-64) 64 bit	libhpodbc_i64.sl.<x> libhpodbc_i64_drvr.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz	HP-UX PA-RISC	libhpodbc_p.sl.<x> libhpodbc_drvr_p.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

Distribution File	Supported Platform	File Contents
hpodbc_<v[v].v>_HPUX_P_64_pkg.tar.gz	HP-UX PA-RISC 64 bit	libhpodbc_p64.sl.<x> libhpodbc_drvr_p64.sl.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v[v].v>_AIX_pkg.tar.gz	IBM AIX®	libhpodbc.a.<x>.gcc libhpodbc.a.<x>.xlc libhpodbc_drvr.a.<x>.gcc libhpodbc_drvr.a.<x>.xlc MXODSN MD5SUM sql.h sqlext.h sqltypes.h install.h hpsqlext.h connect_test.cpp
hpodbc_<v[v].v>_AIX64_pkg.tar.gz	IBM AIX® 64 bit	libhpodbc64.a.<x>.gcc libhpodbc64.a.<x>.xlc libhpodbc64_drvr.a.<x>.gcc libhpodbc64_drvr.a.<x>.xlc MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v[v].v>_SPARC_pkg.tar.gz	Sun SPARC®	libhpodbc_ss.so.<x> libhpodbc_drvr_ss.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp
hpodbc_<v[v].v>_SPARC64_pkg.tar.gz	Sun SPARC® 64 bit	libhpodbc_ss64.so.<x> libhpodbc_drvr_ss64.so.<x> MXODSN MD5SUM sql.h sqlext.h sqltypes.h hpsqlext.h install.h connect_test.cpp

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib

Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20_64.

- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

Installation Instructions

Installing or Reinstalling the HP Neoview UNIX Drivers

Note: You must have root access to install the HP Neoview UNIX drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: www.software.hp.com.
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX/LINUX/IBM AIX(R)/Sun Solaris for SPARC(R) Drivers link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, HP-UX PA-RISC 64-bit, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
 - Linux: hpodbc_<v.v[v].v>_LINUX_pkg.tar.gz
 - x86_64 Linux: hpodbc_<v.v[v].v>_LINUX64_pkg.tar.gz
 - HP-UX (IA-64): hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz
 - HP-UX (IA-64) 64 bit: hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz
 - HP-UX (PA-RISC) 64 bit: hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz
 - IBM AIX®: hpodbc_<v.v[v].v>_AIX_pkg.tar.gz
 - IBM AIX® 64 bit: hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz
 - Sun SPARC®: hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz
 - Sun SPARC® 64 bit: hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz
7. Expand the installation and product files:
 - Linux: gunzip hpodbc_<v.v[v].v>_LINUX_pkg.tar.gz
 - x86_64 Linux: gunzip hpodbc_<v.v[v].v>_LINUX64_pkg.tar.gz
 - HP-UX (IA-64): gunzip hpodbc_<v.v[v].v>_HPUX_I_pkg.tar.gz
 - HP-UX (IA-64) 64 bit: gunzip hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): gunzip hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz
 - HP-UX (PA-RISC) 64 bit: gunzip hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz
 - IBM AIX®: gunzip hpodbc_<v.v[v].v>_AIX_pkg.tar.gz
 - IBM AIX® 64 bit: gunzip hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz
 - Sun SPARC®: gunzip hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz
 - Sun SPARC® 64 bit: gunzip hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz
8. Extract the installation and product files. A directory called PkgTmp is created.
 - Linux: tar -xvf hpodbc_<v.v[v].v>_LINUX_pkg.tar
 - x86_64 Linux: tar -xvf hpodbc_<v.v[v].v>_LINUX64_pkg.tar
 - HP-UX (IA-64): tar -xvf hpodbc_<v.v[v].v>_HPUX_I_pkg.tar
 - HP-UX (IA-64) 64 bit: tar -xvf hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz
 - HP-UX (PA-RISC): tar -xvf hpodbc_<v.v[v].v>_HPUX_P_pkg.tar

- HP-UX (PA-RISC) 64 bit: `tar -xvf hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar`
 - IBM AIX®: `tar -xvf hpodbc_<v.v[v].v>_AIX_pkg.tar`
 - IBM AIX® 64 bit: `tar -xvf hpodbc_<v.v[v].v>_AIX64_pkg.tar`
 - Sun SPARC®: `tar -xvf hpodbc_<v.v[v].v>_SPARC_pkg.tar`
 - Sun SPARC® 64 bit: `tar -xvf hpodbc_<v.v[v].v>_SPARC64_pkg.tar`
9. Install the product:
- ```
cd PkgTmp
./install.sh
```
- Note: Except for the sample file, the `install.sh` script saves a copy (`.SAV`) of your previous installation files if they exist.
10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (`/usr/lib`).
- Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is `/usr/lib/hpux64`.
- Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is `/usr/lib/pa20_64`.
- Note: For the AIX drivers, you will be prompted asking if you want to install the HP ODBC library, which was compiled with the AIX `xlc/xlc++` compilers or the `gcc/g++` compiler for AIX.
12. Enter a directory for the data source template file, or press Enter to use the default directory (`/etc/hpodbc`).
13. Enter a directory for the include files, or press Enter to use the default directory (`/usr/include/hpodbc`).
14. Enter a directory for the sample program, or press Enter to use the default directory (`/etc/hpodbc/sample`).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (`*.h`) files are in the `/usr/include/hpodbc` directory.
- An `MXODSN` file is in the `/etc/hpodbc` directory.

Note: By default, the `MXODSN` file in the package will be installed as `/etc/hpodbc/MXODSN.template`. Rename it to `MXODSN`, and make necessary changes to the file before using the driver.

- The libraries are located in the `/usr/lib` directory.

Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is `/usr/lib/hpux64`.

Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is `/usr/lib/pa20_64`.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the `MXODSN` file to be present in either the default location (`/etc/hpodbc`) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to `libhpodbc_drvr` and not to `libhpodbc`.
- The driver (`libhpodbc_drvr.so`) has been verified with `iODBC` and `unixODBC` driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:

<http://www.iodbc.org/>

<http://www.unixodbc.org/>

- The three environment variables that control tracing are:
  - HPODBC\_TRACE\_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
  - HPODBC\_TRACEFILE\_NAME — specifies the name of the log file
  - HPODBC\_TRACEFILE\_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to `odbc.ini`). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the `hpodbc` driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:

```
cd /etc/hpodbc/sample
```

2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX (IA-64) and the `x86_64` Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an `x86_64` machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On `x86_64` Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.

- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: Multi-threaded applications should use the “`-mt`” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the `pthread` library is linked in and it is linked in ahead of the `libc` library.

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/hpux64 -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```



To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c
- Run this command:  
cc connect\_test.c +DD64 -I/usr/include/hpodbcc -L/usr/lib/hpux64 \  
-lhpodbc64 -lstd\_v2 -lCsup -lunwind -lm -lhpodbc -o connect\_test

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -lhppa -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:  
cc connect\_test.c -L/usr/lib -I/usr/include/hpodbcc \  
-lhppa -lstd\_v2 -lCsup\_v2 -lm -lhpodbc -o connect\_test

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC) 64 bit

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/pa20_64 -I/usr/nclude/hpodbcc \
-lhpodbc64 -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:  
cc +DD64 connect\_test.c -L/usr/lib/pa20\_64 -I/usr/include/hpodbcc \  
-lstd\_v2 -lCsup\_v2 -lcl lm -lhpodbc64 -o connect\_test

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On IBM AIX®:

```
g++ -maix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -o connect_test
```

or, if the xlc/xlc++ compiled HP ODBC library is installed:

```
xlc++ -q32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -o connect_test
```

- On IBM AIX®: 64 bit

```
g++ -maix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc64 -o connect_test
```

or, if the xlc/xlc++ compiled HP ODBC library is installed:

```
xlc++ -q64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc64 -o connect_test
```

- On Sun SPARC®:  
CC connect\_test.cpp -I/usr/include/hpodbcc -L/usr/lib \  
-lhpodbc -o connect\_test
  - On Sun SPARC®: 64 bit  
CC -xarch=v9a connect\_test.cpp -L/usr/lib -I/usr/include/hpodbcc -L/usr/lib \  
-lhpodbc64 -o connect\_test
3. If needed, modify the /etc/hpodbc/MXODSN file.
  4. Run the sample program:  
./connect\_test -d <datasource> -u <userid> -p <password>

## Installation for Neoview Release 2.2 Update 3

- [Installation Package](#)
- [Installation Instructions](#)

### Installation Package

The HP Neoview UNIX driver software is available in these downloadable distribution files:

| Distribution File                     | Supported Platform | File Contents                                                                                                                                             |
|---------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbcc_<v.v[v].v>_Linux_pkg.tar.gz   | Linux              | libhpodbcc_1.so.<x><br>libhpodbcc_drvr_1.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |
| hpodbcc_<v.v[v].v>_Linux64_pkg.tar.gz | x86_64 Linux       | libhpodbcc_164.so.<x><br>libhpodbcc_drvr_164.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |
| hpodbcc_<v.v[v].v>_HPUX_I_pkg.tar.gz  | HP-UX IA-64        | libhpodbcc_i.sl.<x><br>libhpodbcc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |

| Distribution File                      | Supported Platform   | File Contents                                                                                                                                                                                                    |
|----------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<v.v[v].v>_HPUX_I_64_pkg.tar.gz | HP-UX (IA-64) 64 bit | libhpodbc_i64.sl.<x><br>libhpodbc_i64_drvr.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp                                                          |
| hpodbc_<v.v[v].v>_HPUX_P_pkg.tar.gz    | HP-UX PA-RISC        | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp                                                              |
| hpodbc_<v.v[v].v>_HPUX_P_64_pkg.tar.gz | HP-UX PA-RISC 64 bit | libhpodbc_p64.sl.<x><br>libhpodbc_drvr_p64.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp                                                          |
| hpodbc_<v.v[v].v>_AIX_pkg.tar.gz       | IBM AIX®             | libhpodbc.a.<x>.gcc<br>libhpodbc.a.<x>.xlc<br>libhpodbc_drvr.a.<x>.gcc<br>libhpodbc_drvr.a.<x>.xlc<br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>hpsqlext.h<br>connect_test.cpp         |
| hpodbc_<v.v[v].v>_AIX64_pkg.tar.gz     | IBM AIX® 64 bit      | libhpodbc64.a.<x>.gcc<br>libhpodbc64.a.<x>.xlc<br>libhpodbc64_drvr.a.<x>.gcc<br>libhpodbc64_drvr.a.<x>.xlc<br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |

| Distribution File                    | Supported Platform | File Contents                                                                                                                                             |
|--------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<v.v[v].v>_SPARC_pkg.tar.gz   | Sun SPARC®         | libhpodbc_ss.so.<x><br>libhpodbc_drvr_ss.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<v.v[v].v>_SPARC64_pkg.tar.gz | Sun SPARC® 64 bit  | libhpodbc_ss64.so.<x><br>libhpodbc_drvr_ss64.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib  
Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.  
Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview UNIX Drivers

Note: You must have root access to install the HP Neoview UNIX drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: [www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX/LINUX/IBM AIX(R)/Sun Solaris for SPARC(R) Drivers link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, HP-UX PA-RISC 64-bit, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
  - Linux: hpodbc\_<v.v[v].v>\_LINUX\_pkg.tar.gz
  - x86\_64 Linux: hpodbc\_<v.v[v].v>\_LINUX64\_pkg.tar.gz
  - HP-UX (IA-64): hpodbc\_<v.v[v].v>\_HPUX\_I\_pkg.tar.gz
  - HP-UX (IA-64) 64 bit: hpodbc\_<v.v[v].v>\_HPUX\_I\_64\_pkg.tar.gz
  - HP-UX (PA-RISC): hpodbc\_<v.v[v].v>\_HPUX\_P\_pkg.tar.gz
  - HP-UX (PA-RISC) 64 bit: hpodbc\_<v.v[v].v>\_HPUX\_P\_64\_pkg.tar.gz

- IBM AIX®: hpodbc\_<v.v[v].v>\_AIX\_pkg.tar.gz
  - IBM AIX® 64 bit: hpodbc\_<v.v[v].v>\_AIX64\_pkg.tar.gz
  - Sun SPARC®: hpodbc\_<v.v[v].v>\_SPARC\_pkg.tar.gz
  - Sun SPARC® 64 bit: hpodbc\_<v.v[v].v>\_SPARC64\_pkg.tar.gz
7. Expand the installation and product files:
    - Linux: gunzip hpodbc\_<v.v[v].v>\_LINUX\_pkg.tar.gz
    - x86\_64 Linux: gunzip hpodbc\_<v.v[v].v>\_LINUX64\_pkg.tar.gz
    - HP-UX (IA-64): gunzip hpodbc\_<v.v[v].v>\_HPUX\_I\_pkg.tar.gz
    - HP-UX (IA-64) 64 bit: gunzip hpodbc\_<v.v[v].v>\_HPUX\_I\_64\_pkg.tar.gz
    - HP-UX (PA-RISC): gunzip hpodbc\_<v.v[v].v>\_HPUX\_P\_pkg.tar.gz
    - HP-UX (PA-RISC) 64 bit: gunzip hpodbc\_<v.v[v].v>\_HPUX\_P\_64\_pkg.tar.gz
    - IBM AIX®: gunzip hpodbc\_<v.v[v].v>\_AIX\_pkg.tar.gz
    - IBM AIX® 64 bit: gunzip hpodbc\_<v.v[v].v>\_AIX64\_pkg.tar.gz
    - Sun SPARC®: gunzip hpodbc\_<v.v[v].v>\_SPARC\_pkg.tar.gz
    - Sun SPARC® 64 bit: gunzip hpodbc\_<v.v[v].v>\_SPARC64\_pkg.tar.gz
  8. Extract the installation and product files. A directory called PkgTmp is created.
    - Linux: tar -xvf hpodbc\_<v.v[v].v>\_LINUX\_pkg.tar
    - x86\_64 Linux: tar -xvf hpodbc\_<v.v[v].v>\_LINUX64\_pkg.tar
    - HP-UX (IA-64): tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_I\_pkg.tar
    - HP-UX (IA-64) 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_I\_64\_pkg.tar.gz
    - HP-UX (PA-RISC): tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_P\_pkg.tar
    - HP-UX (PA-RISC) 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_HPUX\_P\_64\_pkg.tar
    - IBM AIX®: tar -xvf hpodbc\_<v.v[v].v>\_AIX\_pkg.tar
    - IBM AIX® 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_AIX64\_pkg.tar
    - Sun SPARC®: tar -xvf hpodbc\_<v.v[v].v>\_SPARC\_pkg.tar
    - Sun SPARC® 64 bit: tar -xvf hpodbc\_<v.v[v].v>\_SPARC64\_pkg.tar
  9. Install the product:
 

```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the install.sh script saves a copy (.SAV) of your previous installation files if they exist.
  10. Accept the terms of the license agreement.
  11. Enter a directory for the library files, or press Enter to use the default directory (/usr/lib).
 

Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.

Note: For the AIX drivers, you will be prompted asking if you want to install the HP ODBC library, which was compiled with the AIX xlc/xlc++ compilers or the gcc/g++ compiler for AIX.
  12. Enter a directory for the data source template file, or press Enter to use the default directory (/etc/hpodbc).
  13. Enter a directory for the include files, or press Enter to use the default directory (/usr/include/hpodbc).
  14. Enter a directory for the sample program, or press Enter to use the default directory (/etc/hpodbc/sample).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (\*.h) files are in the /usr/include/hpodbc directory.
- An MXODSN file is in the /etc/hpodbc directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodbc/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

Note: For the HPUX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.

Note: For the HPUX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodbc) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to libhpodbc\_drvr and not to libhpodbc.
- The driver (libhpodbc\_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:  
<http://www.iodbc.org/>  
<http://www.unixodbc.org/>
- The three environment variables that control tracing are:
  - HPODBC\_TRACE\_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
  - HPODBC\_TRACEFILE\_NAME — specifies the name of the log file
  - HPODBC\_TRACEFILE\_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to odbc.ini). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the hpodbc driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:  
`cd /etc/hpodbc/sample`
2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX (IA-64) and the x86\_64 Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:  
`gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \`  
`-o connect_test`

Note: The Linux driver is a 32-bit driver. If you are using an x86-64 machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbcc -lhpodbc -o connect_test
```

- On x86\_64 Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbcc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/hpux64 -I/usr/include/hpodbcc \
-lhpodbc64 -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c
- Run this command:

```
cc connect_test.c +DD64 -I/usr/include/hpodbcc -L/usr/lib/hpux64 \
-lhpodbc64 -lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -lhppa -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbcc \
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On HP-UX (PA-RISC) 64 bit

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/pa20_64 -I/usr/nclude/hpodbcc \
-lhpodbc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:  

```
cc +DD64 connect_test.c -L/usr/lib/pa20_64 -I/usr/include/hpodbc \
-lstd_v2 -lCsup_v2 -lcl lm -lhpodbc64 -o connect_test
```

Note: Multi-threaded applications should use the “-mt” compiler option. Non multi-threaded applications that use ODBC asynchronous execution should ensure that the pthread library is linked in and it is linked in ahead of the libc library.

- On IBM AIX®:  

```
g++ -maix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test
```

or, if the xlc/xlc++ compiled HP ODBC library is installed:  

```
xlc++ -q32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test
```
  - On IBM AIX®: 64 bit  

```
g++ -maix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

or, if the xlc/xlc++ compiled HP ODBC library is installed:  

```
xlc++ -q64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```
  - On Sun SPARC®:  

```
CC connect_test.cpp -I/usr/include/hpodbc -L/usr/lib \
-lhpodbc -o connect_test
```
  - On Sun SPARC®: 64 bit  

```
CC -xarch=v9a connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -L/usr/lib \
-lhpodbc64 -o connect_test
```
3. If needed, modify the `/etc/hpodbc/MXODSN` file.
  4. Run the sample program:  

```
./connect_test -d <datasource> -u <userid> -p <password>
```

## Installation for Neoview Release 2.2 Update 2

- **Installation Package**
- **Installation Instructions**



## Installation Package

The HP Neoview UNIX driver software is available in these downloadable distribution files:

| Distribution File                 | Supported Platform   | File Contents                                                                                                                                           |
|-----------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_Linux_pkg.tar.gz     | Linux                | libhpodbc_l.so.<x><br>libhpodbc_drvr_l.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<vvv>_Linux64_pkg.tar.gz   | x86_64 Linux         | libhpodbc_l64.so.<x><br>libhpodbc_drvr_l64.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |
| hpodbc_<vvv>_HPUX_I_pkg.tar.gz    | HP-UX IA-64          | libhpodbc_i.sl.<x><br>libhpodbc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<vvv>_HPUX_I_64_pkg.tar.gz | HP-UX (IA-64) 64 bit | libhpodbc_i64.sl.<x><br>libhpodbc_i64_drvr.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |
| hpodbc_<vvv>_HPUX_P_pkg.tar.gz    | HP-UX PA-RISC        | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |

| Distribution File                 | Supported Platform   | File Contents                                                                                                                                             |
|-----------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_HPUX_P_64_pkg.tar.gz | HP-UX PA-RISC 64 bit | libhpodbc_p64.sl.<x><br>libhpodbc_p64_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |
| hpodbc_<vvv>_AIX_pkg.tar.gz       | IBM AIX®             | libhpodbc.a.<x><br>libhpodbc_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>hpsqlext.h<br>connect_test.cpp             |
| hpodbc_<vvv>_AIX64_pkg.tar.gz     | IBM AIX® 64 bit      | libhpodbc64.a.<x><br>libhpodbc64_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp         |
| hpodbc_<vvv>_SPARC_pkg.tar.gz     | Sun SPARC®           | libhpodbc_ss.so.<x><br>libhpodbc_drvr_ss.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<vvv>_SPARC64_pkg.tar.gz   | Sun SPARC® 64 bit    | libhpodbc_ss64.so.<x><br>libhpodbc_drvr_ss64.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>hpsqlext.h<br>install.h<br>connect_test.cpp |

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib  
Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.  
Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview UNIX Drivers

Note: You must have root access to install the HP Neoview UNIX drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site:  
[www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX LINUX Driver link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, HP-UX PA-RISC 64-bit, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
  - Linux: `hpodbc_<v>_LINUX_pkg.tar.gz`
  - x86\_64 Linux: `hpodbc_<v>_LINUX64_pkg.tar.gz`
  - HP-UX (IA-64): `hpodbc_<v>_HPUX_I_pkg.tar.gz`
  - HP-UX (IA-64) 64 bit: `hpodbc_<v>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `hpodbc_<v>_HPUX_P_pkg.tar.gz`
  - HP-UX (PA-RISC) 64 bit: `hpodbc_<v>_HPUX_P_64_pkg.tar.gz`
  - IBM AIX®: `hpodbc_<v>_AIX_pkg.tar.gz`
  - IBM AIX® 64 bit: `hpodbc_<v>_AIX64_pkg.tar.gz`
  - Sun SPARC®: `hpodbc_<v>_SPARC_pkg.tar.gz`
  - Sun SPARC® 64 bit: `hpodbc_<v>_SPARC64_pkg.tar.gz`
7. Expand the installation and product files:
  - Linux: `gunzip hpodbc_<v>_LINUX_pkg.tar.gz`
  - x86\_64 Linux: `gunzip hpodbc_<v>_LINUX64_pkg.tar.gz`
  - HP-UX (IA-64): `gunzip hpodbc_<v>_HPUX_I_pkg.tar.gz`
  - HP-UX (IA-64) 64 bit: `gunzip hpodbc_<v>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `gunzip hpodbc_<v>_HPUX_P_pkg.tar.gz`
  - HP-UX (PA-RISC) 64 bit: `gunzip hpodbc_<v>_HPUX_P_64_pkg.tar.gz`
  - IBM AIX®: `gunzip hpodbc_<v>_AIX_pkg.tar.gz`
  - IBM AIX® 64 bit: `gunzip hpodbc_<v>_AIX64_pkg.tar.gz`
  - Sun SPARC®: `gunzip hpodbc_<v>_SPARC_pkg.tar.gz`
  - Sun SPARC® 64 bit: `gunzip hpodbc_<v>_SPARC64_pkg.tar.gz`
8. Extract the installation and product files. A directory called PkgTmp is created.
  - Linux: `tar -xvf hpodbc_<v>_LINUX_pkg.tar`
  - x86\_64 Linux: `tar -xvf hpodbc_<v>_LINUX64_pkg.tar`
  - HP-UX (IA-64): `tar -xvf hpodbc_<v>_HPUX_I_pkg.tar`
  - HP-UX (IA-64) 64 bit: `tar -xvf hpodbc_<v>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `tar -xvf hpodbc_<v>_HPUX_P_pkg.tar`
  - HP-UX (PA-RISC) 64 bit: `tar -xvf hpodbc_<v>_HPUX_P_64_pkg.tar`
  - IBM AIX®: `tar -xvf hpodbc_<v>_AIX_pkg.tar`
  - IBM AIX® 64 bit: `tar -xvf hpodbc_<v>_AIX64_pkg.tar`
  - Sun SPARC®: `tar -xvf hpodbc_<v>_SPARC_pkg.tar`
  - Sun SPARC® 64 bit: `tar -xvf hpodbc_<v>_SPARC64_pkg.tar`

9. Install the product:

```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the install.sh script saves a copy (.SAV) of your previous installation files if they exist.

10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (/usr/lib).  
Note: For the HP-UX (IA-64) 64 bit driver, the default lib location is /usr/lib/hpux64.  
Note: For the HP-UX (PA-RISC) 64 bit driver, the default lib location is /usr/lib/pa20\_64.  
Note: For the AIX drivers, you will be prompted asking if you want to install the HP ODBC library, which was compiled with the AIX xlc/xlc++ compilers or the gcc/g++ compiler for AIX.
12. Enter a directory for the data source template file, or press Enter to use the default directory (/etc/hpodbc).
13. Enter a directory for the include files, or press Enter to use the default directory (/usr/include/hpodbc).
14. Enter a directory for the sample program, or press Enter to use the default directory (/etc/hpodbc/sample).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (\*.h) files are in the /usr/include/hpodbc directory.
- An MXODSN file is in the /etc/hpodbc directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodbc/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodbc) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to libhpodbc\_drvr and not to libhpodbc.
- The driver (libhpodbc\_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:  
<http://www.iodbc.org/>  
<http://www.unixodbc.org/>

- The three environment variables that control tracing are:
  - HPODBC\_TRACE\_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
  - HPODBC\_TRACEFILE\_NAME — specifies the name of the log file
  - HPODBC\_TRACEFILE\_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to `odbc.ini`). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the `hpodbc` driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:
 

```
cd /etc/hpodbc/sample
```
2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX (IA-64) and the `x86_64` Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an `x86_64` machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On `x86_64` Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

Note: when linking in the `pthread` library, it should be linked in ahead of `-lhpodbc`.

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib/hpux64 -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`
- Run this command:  
`cc connect_test.c +DD64 -I/usr/include/hpodbcc -L/usr/lib/hpux64 \`  
`-lhpodbc64 -lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test`

Note: when linking in the pthread library, it should be linked in ahead of `-lhpodbc64`

- On HP-UX (PA-RISC):

`aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhpodbc -lhppa -o connect_test -lm`

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:  
`cc connect_test.c -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test`

Note: when linking in the pthread library, it should be linked in ahead of `-lhpodbc`.

- On HP-UX (PA-RISC) 64 bit

`aCC +DD64 -AA connect_test.cpp -L/usr/lib/pa20_64 -I/usr/nclude/hpodbcc \`  
`-lhpodbc64 -o connect_test -lm`

To use `cc` for compiling and linking:

- Rename `connect_test.cpp` to `connect_test.c`.
- Run this command:  
`cc +DD64 connect_test.c -L/usr/lib/pa20_64 -I/usr/include/hpodbcc \`  
`-lstd_v2 -lCsup_v2 -lcl lm -lhpodbc64 -o connect_test`

Note: when linking in the pthread library, it should be linked in ahead of `-lhpodbc64`.

- On IBM AIX®:

`g++ -maix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhpodbc -o connect_test`

or

If the `xlc/xlc++` compiled HP ODBC library is installed:

`xlc++ -q32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhpodbc -o connect_test`

- On IBM AIX®: 64 bit

`g++ -maix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhpodbc64 -o connect_test`

or

If the `xlc/xlc++` compiled HP ODBC library is installed:

`xlc++ -q64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \`  
`-lhpodbc64 -o connect_test`

- On Sun SPARC®:

`CC connect_test.cpp -I/usr/include/hpodbcc -L/usr/lib \`

- lhpodbc -o connect\_test
  - On Sun SPARC®: 64 bit  
 CC -xarch=v9a connect\_test.cpp -L/usr/lib -I/usr/include/hpodbc -L/usr/lib \
 -lhpodbc64 -o connect\_test
3. If needed, modify the /etc/hpodbc/MXODSN file.
  4. Run the sample program:  
 ./connect\_test -d <datasource> -u <userid> -p <password>

## Installation for Neoview Release 2.2 Update 1

- [Installation Package](#)
- [Installation Instructions](#)

### Installation Package

The HP Neoview ODBC Linux, HP-UX, IBM AIX®, and Sun Solaris for SPARC® driver software is available in these downloadable distribution files:

| Distribution File                 | Supported Platform   | File Contents                                                                                                                                  |
|-----------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_Linux_pkg.tar.gz     | Linux                | libhpodbc_l.so.<x><br>libhpodbc_drvr_l.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp          |
| hpodbc_<vvv>_Linux64_pkg.tar.gz   | x86_64 Linux         | libhpodbc_l64.so.<x><br>libhpodbc_drvr_l64.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp      |
| hpodbc_<vvv>_HPUX_I_pkg.tar.gz    | HP-UX IA-64          | libhpodbc_i.sl.<x><br>libhpodbc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp          |
| hpodbc_<vvv>_HPUX_I_64_pkg.tar.gz | HP-UX (IA-64) 64 bit | libhpodbc_i64.sl.<x><br>libhpodbc_drvr_i64_drvr.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |

| Distribution File               | Supported Platform | File Contents                                                                                                                               |
|---------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_HPUX_P_pkg.tar.gz  | HP-UX PA-RISC      | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp       |
| hpodbc_<vvv>_AIX_pkg.tar.gz     | IBM AIX®           | libhpodbc.a.<x><br>libhpodbc_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp             |
| hpodbc_<vvv>_AIX64_pkg.tar.gz   | IBM AIX® 64 bit    | libhpodbc64.a.<x><br>libhpodbc64_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp         |
| hpodbc_<vvv>_SPARC_pkg.tar.gz   | Sun SPARC®         | libhpodbc_ss.so.<x><br>libhpodbc_drvr_ss.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<vvv>_SPARC64_pkg.tar.gz | Sun SPARC® 64 bit  | libhpodbc_ss64.so.<x><br>libhpodbc_drvr_ss64.so.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview ODBC Drivers for Linux, HP-UX, IBM AIX®, and Sun Solaris

Note: You must have root access to install the HP Neoview ODBC drivers at the default system locations.



1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: [www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX LINUX Driver link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, IBM AIX®, IBM AIX® 64 bit, Sun Solaris for SPARC® or Sun Solaris for SPARC® 64 bit and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
  - Linux: `hpodbc_<v>_LINUX_pkg.tar.gz`
  - x86\_64 Linux: `hpodbc_<v>_LINUX64_pkg.tar.gz`
  - HP-UX (IA-64): `hpodbc_<v>_HPUX_I_pkg.tar.gz`
  - HP-UX (IA-64) 64 bit: `hpodbc_<v>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `hpodbc_<v>_HPUX_P_pkg.tar.gz`
  - IBM AIX®: `hpodbc_<v>_AIX_pkg.tar.gz`
  - IBM AIX® 64 bit: `hpodbc_<v>_AIX64_pkg.tar.gz`
  - Sun SPARC®: `hpodbc_<v>_SPARC_pkg.tar.gz`
  - Sun SPARC® 64 bit: `hpodbc_<v>_SPARC64_pkg.tar.gz`
7. Expand the installation and product files:
  - Linux: `gunzip hpodbc_<v>_LINUX_pkg.tar.gz`
  - x86\_64 Linux: `gunzip hpodbc_<v>_LINUX64_pkg.tar.gz`
  - HP-UX (IA-64): `gunzip hpodbc_<v>_HPUX_I_pkg.tar.gz`
  - HP-UX (IA-64) 64 bit: `gunzip hpodbc_<v>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `gunzip hpodbc_<v>_HPUX_P_pkg.tar.gz`
  - IBM AIX®: `gunzip hpodbc_<v>_AIX_pkg.tar.gz`
  - IBM AIX® 64 bit: `gunzip hpodbc_<v>_AIX64_pkg.tar.gz`
  - Sun SPARC®: `gunzip hpodbc_<v>_SPARC_pkg.tar.gz`
  - Sun SPARC® 64 bit: `gunzip hpodbc_<v>_SPARC64_pkg.tar.gz`
8. Extract the installation and product files. A directory called PkgTmp is created.
  - Linux: `tar -xvf hpodbc_<v>_LINUX_pkg.tar`
  - x86\_64 Linux: `tar -xvf hpodbc_<v>_LINUX64_pkg.tar`
  - HP-UX (IA-64): `tar -xvf hpodbc_<v>_HPUX_I_pkg.tar`
  - HP-UX (IA-64) 64 bit: `tar -xvf hpodbc_<v>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `tar -xvf hpodbc_<v>_HPUX_P_pkg.tar`
  - IBM AIX®: `tar -xvf hpodbc_<v>_AIX_pkg.tar`
  - IBM AIX® 64 bit: `tar -xvf hpodbc_<v>_AIX64_pkg.tar`
  - Sun SPARC®: `tar -xvf hpodbc_<v>_SPARC_pkg.tar`
  - Sun SPARC® 64 bit: `tar -xvf hpodbc_<v>_SPARC64_pkg.tar`
9. Install the product:
 

```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the install.sh script saves a copy (.SAV) of your previous installation files if they exist.
10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (/usr/lib).
12. Enter a directory for the data source template file, or press Enter to use the default directory (/etc/hpodbc).

13. Enter a directory for the include files, or press Enter to use the default directory (/usr/include/hpodb).  
(/usr/include/hpodb).
14. Enter a directory for the sample program, or press Enter to use the default directory (/etc/hpodb/sample).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (\*.h) files are in the /usr/include/hpodb directory.
- An MXODSN file is in the /etc/hpodb directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodb/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodb) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- If you are using an external driver manager, you must point to libhpodb\_drvr and not to libhpodb.
- The driver (libhpodb\_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:  
<http://www.iodbc.org/>  
<http://www.unixodbc.org/>
- The three environment variables that control tracing are:
  - HPODBC\_TRACE\_LEVEL — sets trace level (ERROR, WARNING, CONFIG, INFO, or DEBUG)
  - HPODBC\_TRACEFILE\_NAME — specifies the name of the log file
  - HPODBC\_TRACEFILE\_SIZE — specifies the maximum files size of the log files
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (for example, to odbc.ini). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the hpodb driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:

```
cd /etc/hpodb/sample
```

2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX(IA-64) and the x86\_64 Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an x86-64 machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On x86\_64 Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -lhppa -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbc \
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```

- On IBM AIX®:

```
g++ -maix32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test
```

- On IBM AIX®: 64 bit

```
g++ -maix64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-
```

- lhpodbc64 -o connect\_test
  - On Sun SPARC®:
 

```
g++ -m32 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test
```
  - On Sun SPARC®: 64 bit
 

```
g++ -m64 connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```
3. If needed, modify the /etc/hpodbc/MXODSN file.
  4. Run the sample program:
 

```
./connect_test -d <datasource> -u <userid> -p <password>
```

## Installation for Neoview Release 2.2

- [Installation Package](#)
- [Installation Instructions](#)

### Installation Package

The HP Neoview ODBC Linux, HP-UX, and IBM AIX® driver software is available in these downloadable distribution files:

| Distribution File               | Supported Platform | File Contents                                                                                                                                     |
|---------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_Linux_pkg.tar.gz   | Linux              | libhpodbc_l.so.<x>.0.0<br>libhpodbc_drvr_l.so.<x>.0.0<br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<vvv>_Linux64_pkg.tar.gz | x86_64 Linux       | libhpodbc_164.so.<x>.0.0<br>libhpodbc_drvr_164.so.<x>.0.0<br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |
| hpodbc_<vvv>_HPUX_I_pkg.tar.gz  | HP-UX IA-64        | libhpodbc_i.sl.<x><br>libhpodbc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp             |

| Distribution File                 | Supported Platform   | File Contents                                                                                                                             |
|-----------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_HPUX_I_64_pkg.tar.gz | HP-UX (IA-64) 64 bit | libhpodbc_i64.sl.<x><br>libhpodbc_i64_drvr.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |
| hpodbc_<vvv>_HPUX_P_pkg.tar.gz    | HP-UX PA-RISC        | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp     |
| hpodbc_<vvv>_AIX_pkg.tar.gz       | IBM AIX®             | libhpodbc.a.<x><br>libhpodbc_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp           |

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview ODBC Drivers for Linux, HP-UX, and IBM AIX®

Note: You must have root access to install the HP Neoview ODBC drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: [www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX LINUX Driver link that appears in the search results.
5. Depending on your need, select Linux, Linux 64-bit, HP-UX Itanium, HP-UX Itanium 64-bit, HP-UX PA-RISC, or IBM AIX® and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
  - Linux: hpodbc\_<vvv>\_LINUX\_pkg.tar.gz
  - x86\_64 Linux: hpodbc\_<vvv>\_LINUX64\_pkg.tar.gz
  - HP-UX (IA-64): hpodbc\_<vvv>\_HPUX\_I\_pkg.tar.gz
  - HP-UX (IA-64) 64 bit: hpodbc\_<vvv>\_HPUX\_I\_64\_pkg.tar.gz
  - HP-UX (PA-RISC): hpodbc\_<vvv>\_HPUX\_P\_pkg.tar.gz
  - IBM AIX®: hpodbc\_<vvv>\_AIX\_pkg.tar.gz

7. Expand the installation and product files:
  - Linux: `gunzip hpodbc_<vvv>_LINUX_pkg.tar.gz`
  - x86\_64 Linux: `gunzip hpodbc_<vvv>_LINUX64_pkg.tar.gz`
  - HP-UX (IA-64): `gunzip hpodbc_<vvv>_HPUX_I_pkg.tar.gz`
  - HP-UX (IA-64) 64 bit: `gunzip hpodbc_<vvv>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `gunzip hpodbc_<vvv>_HPUX_P_pkg.tar.gz`
  - IBM AIX®: `gunzip hpodbc_<vvv>_AIX_pkg.tar.gz`
8. Extract the installation and product files. A directory called PkgTmp is created.
  - Linux: `tar -xvf hpodbc_<vvv>_LINUX_pkg.tar`
  - x86\_64 Linux: `tar -xvf hpodbc_<vvv>_LINUX64_pkg.tar`
  - HP-UX (IA-64): `tar -xvf hpodbc_<vvv>_HPUX_I_pkg.tar`
  - HP-UX (IA-64) 64 bit: `tar -xvf hpodbc_<vvv>_HPUX_I_64_pkg.tar.gz`
  - HP-UX (PA-RISC): `tar -xvf hpodbc_<vvv>_HPUX_P_pkg.tar`
  - IBM AIX®: `tar -xvf hpodbc_<vvv>_AIX_pkg.tar`
9. Install the product:
 

```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the `install.sh` script saves a copy (`.SAV`) of your previous installation files if they exist.
10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (`/usr/lib`).
12. Enter a directory for the data source template file, or press Enter to use the default directory (`/etc/hpodbc`).
13. Enter a directory for the include files, or press Enter to use the default directory (`/usr/include/hpodbc`).
14. Enter a directory for the sample program, or press Enter to use the default directory (`/etc/hpodbc/sample`).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (`*.h`) files are in the `/usr/include/hpodbc` directory.
- An `MXODSN` file is in the `/etc/hpodbc` directory.

Note: By default, the `MXODSN` file in the package will be installed as `/etc/hpodbc/MXODSN.template`. Rename it to `MXODSN`, and make necessary changes to the file before using the driver.

- The libraries are located in the `/usr/lib` directory.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the `MXODSN` file to be present in either the default location (`/etc/hpodbc`) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- The driver (`libhpodbc_drvr.so`) has been verified with `iODBC` and `unixODBC` driver managers.
- These driver managers, as well as documentation, can be found at these Web sites:  
<http://www.iodbc.org/>

<http://www.unixodbc.org/>

- For information on the necessary data source configuration options, you will need to add to the respective configuration files (odbc.ini). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the hpodbc driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:

```
cd /etc/hpodbc/sample
```

2. Compile the sample program.

Note: All drivers, other than the 64-bit driver for HP-UX(IA-64) and the x86\_64 Linux driver, are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc -lhpodbc \
-o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an x86-64 machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On x86\_64 Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

- On HP-UX (IA-64) 64 bit:

```
aCC +DD64 -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc64 -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib \
-lstd_v2 -lCsup -lunwind -lm -lhpodbc -o connect_test
```

- On HP-UX (PA-RISC):  

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc -lhppa -o connect_test -lm
```

 To use cc for compiling and linking:
    - Rename connect\_test.cpp to connect\_test.c.
    - Run this command:  

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbcc \
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```
  - On IBM AIX®:  

```
g++ connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbcc -o connect_test
```
3. If needed, modify the /etc/hpodbcc/MXODSN file.
  4. Run the sample program:  

```
./connect_test -d <datasource> -u <userid> -p <password>
```

## Installation for Neoview Release 2.1 Update 1

- [Installation Package](#)
- [Installation Instructions](#)

### Installation Package

The HP Neoview ODBC Linux, HP-UX, and IBM AIX® driver software is available in these downloadable distribution files:

| Distribution File              | Supported Platform | File Contents                                                                                                                                   |
|--------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbcc_<vvv>_Linux_pkg.tar.gz | Linux              | libhpodbcc_l.so.<x>.0.0<br>libhpodbcc_drvr_l.so.<x>.0.0<br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |
| hpodbcc_<vvv>_HPUX_I_pkg.targz | HP-UX IA-64        | libhpodbcc_i.sl.<x><br>libhpodbcc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp         |



| Distribution File              | Supported Platform | File Contents                                                                                                                         |
|--------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<vvv>_HPUX_P_pkg.tar.gz | HP-UX PA-RISC      | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |
| hpodbc_<vvv>_AIX_pkg.tar.gz    | IBM AIX®           | libhpodbc.a.<x><br>libhpodbc_drvr.a.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp       |

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview ODBC Drivers for Linux, HP-UX, and IBM AIX®

Note: You must have root access to install the HP Neoview ODBC drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: [www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX LINUX Driver link that appears in the search results.
5. Depending on your need, select Linux, HP-UX Itanium, HP-UX PA-RISC, or IBM AIX® and follow the instructions to download the driver.
6. Move the distribution file into the temporary directory:
  - Linux: hpodbc\_vvv\_LINUX\_pkg.tar.gz
  - HP-UX (IA-64): hpodbc\_vvv\_hpux\_I\_pkg.tar.gz
  - HP-UX (PA-RISC): hpodbc\_vvv\_hpux\_P\_pkg.tar.gz
  - IBM AIX®: hpodbc\_<vvv>\_AIX\_pkg.tar.gz
7. Expand the installation and product files:
  - Linux: gunzip hpodbc\_vvv\_LINUX\_pkg.tar.gz
  - HP-UX (IA-64): gunzip hpodbc\_vvv\_hpux\_I\_pkg.tar.gz
  - HP-UX (PA-RISC): gunzip hpodbc\_vvv\_hpux\_P\_pkg.tar.gz
  - IBM AIX®: gunzip hpodbc\_<vvv>\_AIX\_pkg.tar.gz
8. Extract the installation and product files. A directory called PkgTmp is created.
  - Linux: tar -xvf hpodbc\_vvv\_LINUX\_pkg.tar.gz
  - HP-UX (IA-64): tar -xvf hpodbc\_vvv\_hpux\_I\_pkg.tar.gz

- HP-UX (PA-RISC): `tar -xvf hpodbc_vvv_hpux_P_pkg.tar.gz`
  - IBM AIX®: `tar -xvf hpodbc_<vvv>_AIX_pkg.tar`
9. Install the product:
 

```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the `install.sh` script saves a copy (`.SAV`) of your previous installation files if they exist.
  10. Accept the terms of the license agreement.
  11. Enter a directory for the library files, or press Enter to use the default directory (`/usr/lib`).
  12. Enter a directory for the data source template file, or press Enter to use the default directory (`/etc/hpodbc`).
  13. Enter a directory for the include files, or press Enter to use the default directory (`/usr/include/hpodbc`).
  14. Enter a directory for the sample program, or press Enter to use the default directory (`/etc/hpodbc/sample`).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (`*.h`) files are in the `/usr/include/hpodbc` directory.
- An MXODSN file is in the `/etc/hpodbc` directory.

Note: By default, the MXODSN file in the package will be installed as `/etc/hpodbc/MXODSN.template`. Rename it to `MXODSN`, and make necessary changes to the file before using the driver.

- The libraries are located in the `/usr/lib` directory.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (`/etc/hpodbc`) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- The driver (`libhpodbc_drvr.so`) has been verified with iODBC and unixODBC driver managers.
- These drivers, as well as documentation, can be found at these Web sites:
  - <http://www.iodbc.org/>
  - <http://www.unixodbc.org/>
- For information on the necessary data source configuration options, you will need to add to the respective configuration files (`odbc.ini`). For more information, see the *Neoview ODBC Drivers Manual* at [docs.hp.com: http://docs.hp.com/en/busintellsol.html](http://docs.hp.com/en/busintellsol.html).

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the `hpodbc` driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:
 

```
cd /etc/hpodbc/sample
```

2. Compile the sample program.

Note: All drivers are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an x86-64 machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbcc -lhpodbc -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -I/usr/include/hpodbcc -L/usr/lib -lstd_v2 \
\
-lCsup -lunwind -lm -lhpodbc -o connect_test
```

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -lhppa -o connect_test -lm
```

To use cc for compiling and linking:

- Rename connect\_test.cpp to connect\_test.c.
- Run this command:

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbcc \
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```

- On IBM AIX®:

```
g++ connect_test.cpp -L/usr/lib -I/usr/include/hpodbcc \
-lhpodbc -o connect_test
```

3. If needed, modify the /etc/hpodbcc/MXODSN file.

4. Run the sample program:

```
./connect_test -d <datasource> -u <userid> -p <password>
```

## Installation for Neoview Release 2.0

- **Installation Package**
- **Installation Instructions**

## Installation Package

The HP Neoview ODBC Linux and HP-UX driver software is available in these downloadable distribution files:

| Distribution File               | Supported Platform | File Contents                                                                                                                                 |
|---------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| hpodbc_<v><v>_Linux_pkg.tar.gz  | Linux              | libhpodbc_l.so.<x>.0.0<br>libhpodbc_drvr_l.so.<x>.0.0<br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp |
| hpodbc_<v><v>_HPUX_I_pkg.tar.gz | HP-UX IA-64        | libhpodbc_i.sl.<x><br>libhpodbc_drvr_i.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp         |
| hpodbc_<v><v>_HPUX_P_pkg.tar.gz | HP-UX PA-RISC      | libhpodbc_p.sl.<x><br>libhpodbc_drvr_p.sl.<x><br>MXODSN<br>MD5SUM<br>sql.h<br>sqlext.h<br>sqltypes.h<br>install.h<br>connect_test.cpp         |

By default, a new version of the HP Neoview ODBC driver will be installed in these directories unless you specify different directories during installation:

- /usr/lib
- /usr/include/hpodbc
- /etc/hpodbc
- /etc/hpodbc/sample

## Installation Instructions

### Installing or Reinstalling the HP Neoview ODBC Drivers for Linux and HP-UX

Note: You must have root access to install the HP Neoview ODBC drivers at the default system locations.

1. Create a temporary directory.
2. From the client workstation, start a browser and navigate to the download site: [www.software.hp.com](http://www.software.hp.com).
3. Search for “Neoview ODBC” in the Software Depot.
4. Click the HP Neoview ODBC HP-UX LINUX Driver link that appears in the search results.
5. Depending on your need, select Linux, HP-UX Itanium, or HP-UX PA-RISC and follow the instructions to download the driver.

6. Move the distribution file into the temporary directory:
  - Linux: hpodbc\_vvv\_LINUX\_pkg.tar.gz
  - HP-UX (IA-64): hpodbc\_vvv\_hpux\_I\_pkg.tar.gz
  - HP-UX (PA-RISC): hpodbc\_vvv\_hpux\_P\_pkg.tar.gz
7. Expand the installation and product files:
  - Linux: gunzip hpodbc\_vvv\_LINUX\_pkg.tar.gz
  - HP-UX (IA-64): gunzip hpodbc\_vvv\_hpux\_I\_pkg.tar.gz
  - HP-UX (PA-RISC): gunzip hpodbc\_vvv\_hpux\_P\_pkg.tar.gz
8. Extract the installation and product files. A directory called PkgTmp is created.
  - Linux: tar -xvf hpodbc\_vvv\_LINUX\_pkg.tar.gz
  - HP-UX (IA-64): tar -xvf hpodbc\_vvv\_hpux\_I\_pkg.tar.gz
  - HP-UX (PA-RISC): tar -xvf hpodbc\_vvv\_hpux\_P\_pkg.tar.gz
9. Install the product:
 

```
cd PkgTmp
./install.sh
```

Note: Except for the sample file, the install.sh script saves a copy (.SAV) of your previous installation files if they exist.
10. Accept the terms of the license agreement.
11. Enter a directory for the library files, or press Enter to use the default directory (/usr/lib).
12. Enter a directory for the data source template file, or press Enter to use the default directory (/etc/hpodbc).
13. Enter a directory for the include files, or press Enter to use the default directory (/usr/include/hpodbc).
14. Enter a directory for the sample program, or press Enter to use the default directory (/etc/hpodbc/sample).

## Setting Up the Client Environment

If you selected default options during installation, ensure that:

- The include (\*.h) files are in the /usr/include/hpodbc directory.
- An MXODSN file is in the /etc/hpodbc directory.

Note: By default, the MXODSN file in the package will be installed as /etc/hpodbc/MXODSN.template. Rename it to MXODSN, and make necessary changes to the file before using the driver.

- The libraries are located in the /usr/lib directory.

If you select nondefault locations during installation, ensure that the files are installed in the directories that you specified during installation.

Note: The driver expects the MXODSN file to be present in either the default location (/etc/hpodbc) or the current working directory (CWD) of the application.

## Using a Third Party Driver Manager

- The driver (libhpodbc\_drvr.so) has been verified with iODBC and unixODBC driver managers.
- These drivers, as well as documentation, can be found at these Web sites:

<http://www.iodbc.org/>

<http://www.unixodbc.org/>

- For information on the necessary data source configuration options, you will need to add to the respective configuration files (odbc.ini). For more information, see the *Neoview ODBC Drivers Manual* at docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

## Running the Sample Program

Note: the examples after each step assume that you have default installation directories.

If you have a previous version of the hpodbc driver installed, you need to relink your existing application to ensure that you pick up the correct version of the driver. If you are unsure of the version, check the version of your application with this command:

```
ldd <object file>
```

1. Move to the directory where you installed the sample program:

```
cd /etc/hpodbc/sample
```

2. Compile the sample program.

Note: All drivers are 32-bit drivers; therefore, applications need to be compiled accordingly.

- On Linux:

```
gcc connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test
```

Note: The Linux driver is a 32-bit driver. If you are using an x86-64 machine, you need to explicitly compile your application as a 32-bit application. For example:

```
gcc connect_test.cpp -m32 -L/usr/lib \
-I/usr/include/hpodbc -lhpodbc -o connect_test
```

- On HP-UX (IA-64):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -o connect_test -lm
```

To use cc for compiling and linking:

– Rename connect\_test.cpp to connect\_test.c.

– Run this command:

```
cc connect_test.c -I/usr/include/hpodbc -L/usr/lib -lstd_v2 \
\
-lCsup -lunwind -lm -lhpodbc -o connect_test
```

- On HP-UX (PA-RISC):

```
aCC -AA connect_test.cpp -L/usr/lib -I/usr/include/hpodbc \
-lhpodbc -lhppa -o connect_test -lm
```

To use cc for compiling and linking:

– Rename connect\_test.cpp to connect\_test.c.

– Run this command:

```
cc connect_test.c -L/usr/lib -I/usr/include/hpodbc \
-lhppa -lstd_v2 -lCsup_v2 -lm -lhpodbc -o connect_test
```

3. If needed, modify the /etc/hpodbc/MXODSN file.

4. Run the sample program:

```
./connect_test -d <datasource> -u <userid> -p <password>
```

## Related Product Documentation

For more information about the ODBC Linux, HP-UX, and IBM AIX® drivers, see the *HP Neoview ODBC Drivers Manual*. This manual is available on the Business Intelligence Solutions page of docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.

