

README for HP Neoview Command Interface (NCI)

Part number: 544809-001

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1.1 The Installation Package

The Neoview Command Interface (NCI) is available as a downloadable installer file, `hpnciInstaller.jar`.

The location of the installer jar file (`hpnciInstaller.jar`) has changed. The file now resides within a ZIP file, `hpnci_<v.v[v].v>.zip`.

Files contained in the installer file (by default, these files are installed in the `/lib` directory):

- o `hpnci.jar`

Files contained in the installer file (by default, these files are installed in the `/bin` directory):

- o `hpnci.cmd`
- o `hpnci.sh`
- o `hpnci.pl`
- o `hpnci-perl.pl`

- o hpnci-python.py

File contained in the installer file (by default, these files are installed in the /samples directory):

- o arrayDML.pl
- o arrayIQ.pl
- o README
- o sample.pl
- o sample.sql
- o sample-beta.pl
- o sampleTables.pl
- o sampleTables.py
- o sampleDDL.py
- o sampleDML.py
- o sample-deprecated.py

1.2 Pre-Installation Instructions

You must have a Java Runtime Environment (JRE) version of 1.5, 1.4.2 or later installed on the client workstation. You must also have the HP Neoview JDBC Type 4 Driver for Neoview Release 2.3 installed on the client workstation before installing NCI. To install the JDBC driver, see the "README for HP Neoview JDBC Type 4 Driver." If the JDBC driver is not installed:

1. Locate or create a directory or folder for the JDBC TAR file anywhere on the client workstation.
2. On the client workstation, start a Web browser and navigate to the download site: <http://www.software.hp.com>.
3. Enter "Neoview JDBC Type 4 Driver" in the search box in the upper right corner of the Software Depot home page.
4. Click the "HP Neoview JDBC Type 4 Driver" link that appears in the search results.
5. Follow the instructions to download the HP Neoview JDBC Type 4 Driver, which includes the hpt4jdbc_<v.v[v].v>.tar file, to the directory or folder in Step 1.
6. Dearchive the hpt4jdbc_<v.v[v].v>.tar file using the tar command (or the WinZip Extract tool):

```
tar -xvf hpt4jdbc_<v.v[v].v>.tar
```

7. In the section "Setting Up the Client," provide the location where the hpt4jdbc.jar file has been extracted.

1.3 Installing Neoview Command Interface (NCI)

Follow these steps to install NCI:

1. Locate or create a directory or folder for the installer file anywhere on the client workstation.
2. On the client workstation, start a Web browser and navigate to the download site: <http://www.software.hp.com>.
3. Enter "Neoview Command Interface" in the search box in the upper right corner of the Software Depot home page.
4. Click the "HP Neoview Command Interface" link that appears in the search results.
5. Follow instructions to download NCI, which includes the hpnciInstaller.jar file (located within the hpnci_<v.v[v].v>.zip file), to the directory or folder in Step 1.
6. Run the NCI Installer Wizard by entering this command on the client workstation:

```
java -jar hpnciInstaller.jar
```

Note: On Linux or UNIX, to run the Installer Wizard, you must have the X Window system installed on the client workstation. If the client workstation does not have the X Window system, launch the command-line installer by entering:

```
java -jar hpnciInstaller.jar cm
```

If you are installing NCI on a mainframe system (e.g., os/390), you must also launch the command-line installer. The pre-requisites are the same as JRE 1.4.2 and above.

7. Click "Standard Installation" to begin the Installer Wizard. The standard installation installs both the core NCI components and optional source extensions.
8. In the Installer Wizard (or at the command prompt), select (or enter) the location of the JAR file of the installed HP Neoview JDBC Type 4 Driver. See the section "Installing Neoview Command Interface (NCI)."
9. In the Installer Wizard (or at the command prompt), select (or enter) the location where you want to install the NCI software files.
10. In the Installer Wizard, after selecting the locations of the JDBC driver JAR file and the NCI software files, click "Next."
11. Review the disclaimer and click "Next."
12. In the Installer Wizard, the optional components are displayed. Select

the optional components to be downloaded and installed. You may also configure the proxy settings.

13. Click "Install" to start the installation and verify that the NCI software files are installed correctly:

<installation-directory>/nci/bin
hpnci.cmd
hpnci.sh
hpnci.py
hpnci-perl.pl
hpnci-python.py
<installation-directory>/nci/lib
hpnci.jar
<installation-directory>/nci/samples
README
arrayDML.pl
arrayIQ.pl
sample.pl
sample.sql
sample-beta.pl
sampleTables.pl
sampleTables.py
sampleDDL.py
sampleDML.py
sample-deprecated.py

<installation-directory> is the directory that you selected in the Installer Wizard when installing the NCI software files.

1.4 Setting Up the Client

To configure NCI, such as choosing the look and feel of the interface or presetting launch parameters, see the "Neoview Command Interface (NCI) Guide" at: <http://docs.hp.com/en/busintellsol.html>.

1.5 Getting the Version of NCI

To display the version of the downloaded installer file:

1. Change to the directory where you downloaded the hpnciInstaller.jar file:

```
cd <installer directory>
```

2. Enter this command to return version information:

```
java -jar hpnciInstaller.jar v
```

The command displays this version information:

```
T0774_N26_AAD(R2.3)_<ddmmmyy>_HP_NCI_<yyyy>_<mm>_<dd>
```

<ddmmmyy> is the date, where <dd> is the day, <mmm> is the month, and <yy> is the year (for example, 01JAN08). The second part is <yyyy>_<mm>_<dd> where <yyyy> is the year, <mm> is the month, and <dd> is the day (for example, 2008_01_15).

To display the installed version of NCI without launching Neoview Command Interface and connecting to the database platform:

1. Change to the lib directory, which contains the NCI JAR file. On Windows, enter:

```
cd <installer directory>\Neoview Command Interface\lib
```

On Linux or UNIX, enter

```
cd <installer directory>/nci/lib
```

<installer directory> is the directory where you installed the NCI software files.

2. Enter this command to return version information:

```
java -jar hpnci.jar
```

The command displays this version information:

```
T0774_N26_AAD(R2.3)_<ddmmmyy>_HP_NCI_<yyyy>_<mmm>_<dd>
```

<ddmmmyy> is the date, where <dd> is the day, <mmm> is the month, and <yy> is the year (for example, 01JAN08). The second part is <yyyy>_<mm>_<dd> where <yyyy> is the year, <mm> is the month, and <dd> is the day (for example, 2008_01_15).

To display installed versions of NCI and the Neoview JDBC Type 4 Driver in the Neoview Command Interface:

- * Launch NCI with the -version option. On Windows, enter:

```
<installer directory>\Neoview Command Interface\bin\hpnci.cmd -version
```

On Linux or UNIX, enter

```
<installer directory>/nci/bin/hpnci.sh -version
```

<installation-directory> is the directory where you installed the NCI software files.

The command displays this version information:

```
Neoview JDBC Type 4 Driver      :  
T1249_N26(R2.3)_AAQ_<ddmmmyy>_HP_JDBC4_<yyyy>_<mmm>_<dd>
```

```
NCI Command Interface          :  
T0774_N26_AAD(R2.3)_<ddmmmyy>_HP_NCI_<yyyy>_<mmm>_<dd>
```

<ddmmmyy> is the date, where <dd> is the day, <mmm> is the month, and <yy> is the year (for example, 01JAN08). The second part is <yyyy>_<mm>_<dd> where <yyyy> is the year, <mm> is the month, and <dd> is the day (for example, 2008_01_15).

1.6 Using Conditional Statements

This section describes new conditional features of NCI. In addition, the EXIT command has been enhanced. Note: These commands will not appear in the Neoview Command Interface Guide for R2.3, but will be included in the next release.

- o LABEL Command
- o GOTO Command
- o IF...THEN Command
- o SHOW ACTIVITYCOUNT Command
- o SHOW ERRORCODE Command
- o EXIT Command (enhanced)

LABEL Command

The LABEL command marks a point in the command history that can be jumped to using the GOTO command. See the GOTO command for more information.

Syntax:

```
LABEL { Label }
```

Label is a string of characters without quotes and spaces, or a quoted string.

This command has to be entered on a single line.

Example:

```
SQL> LABEL MyNewLabel SQL> LABEL "Neoview Label"
```

GOTO Command

All commands executed after a GOTO statement are ignored until the specified label is set. The GOTO command cannot currently jump back in the command history; it is a forward-only command. To set a label, use the LABEL command.

Syntax:

```
GOTO { Label }
```

Label is a string of characters without quotes and spaces, or a quoted string.

This command has to be entered on a single line.

Example:

```
SQL> GOTO ViewManagers
SQL> SELECT * FROM Employees;           -- skipped
SQL> SHOW RECCOUNT; -- skipped
SQL> LABEL ViewManagers
SQL> SELECT * FROM Managers;
SQL> GOTO "View Customers"
SQL> SELECT * FROM Invoices; -- skipped
SQL> LABEL "View Customers"
SQL> SELECT * FROM Customers;
```

IF...THEN Command

IF...THEN statements allow for conditional execution of actions. If the condition is met then the action is executed, otherwise no action is taken.

Syntax:

```
IF { condition } THEN { action } { SQLTERMINATOR }
```

The condition parameter is a Boolean statement structured as follows:

```
condition
  { variable-name | value } { operator } { variable-name | value }
```

```
variable-name
  { LASTERROR | RECCOUNT | ACTIVITYCOUNT | ERRORCODE |
    [%] any ENV variable | any SQL parameter }
```

```
value
  { any-integer | quoted-string }
```

quoted-string

"any non-quote character" [\] is the optional escape character

operator

The following is a list of valid operators and their meanings

==		=		equal to			
<>		!=		~=		^=	not equal to

>	greater than
>=	greater than or equal to
<	less than
<=	less than or equal to

The action parameter is any NCI or SQL Command

```
action
  {SQL Command | Neoview Script Command}
```

IF...THEN is itself an <action> thus nested IF...THEN statements are allowed. action must end in the SQL terminator, even if the action is an interface command.

Example:

```
SQL> INVOKE Employees

SQL> -- ERROR 4082 means the table does not exist

SQL> IF ERRORCODE != 4082 THEN GOTO BeginPrepare

SQL> CREATE TABLE Employees(SSN INT PRIMARY KEY NOT NULL NOT DROPPABLE, FName
    VARCHAR(50),LName VARCHAR(50), HireDate DATE DEFAULT CURRENT_DATE);

SQL> LABEL BeginPrepare

SQL> PREPARE empSelect FROM
+> SELECT * FROM
+> Employees
+> WHERE SSN=?empSSN;

SQL> IF USER == "alice" THEN SET PARAM ?empSSN 987654321;

SQL> IF %USER == "bob" THEN SET PARAM ?empSSN 123456789;

SQL> execute empSelect

SQL> IF USER == "alice" THEN
+> IF ACTIVITYCOUNT == 0 THEN GOTO insertAlice;

SQL> IF USER == "bob" THEN IF ACTIVITYCOUNT == 0 THEN GOTO insertBob;

SQL> EXIT

SQL> LABEL insertAlice

SQL> INSERT INTO Employees(SSN, FName, LName) VALUES(987654321, 'Alice',
    'Smith');

SQL> EXIT

SQL> LABEL insertBob

SQL> INSERT INTO Employees(SSN, FName, LName) VALUES(123456789, 'Bob',
    'Smith');
```

SQL> EXIT

SHOW ACTIVITYCOUNT

ACTIVITYCOUNT is an alias for RECCOUNT. For more information, see SHOW RECCOUNT.

Example:

SHOW ACTIVITYCOUNT

SHOW ERRORCODE

ERRORCODE is an alias for LASTERROR. For more information, see SHOW LASTERROR.

Example:

SHOW ERRORCODE

EXIT

The EXIT command disconnects from and exits NCI. EXIT can return a status code. If no status code is specified, zero is returned by default. In addition, a conditional statement can be appended to the command.

Syntax:

```
EXIT [ WITH ] [ status ] [ IF { condition } ]
```

status any 1 byte integer.

For more information, see IF...THEN about condition. status is a shell return value and the range of allowable values is platform dependent. These examples are equivalent:

Example:

```
SQL> EXIT -1 IF LASTERROR <> 0
```

```
SQL> EXIT WITH -1 IF LASTERROR != 0
```

```
SQL> EXIT WITH 82 IF LASTERROR == 4082
```

```
SQL> EXIT -- default status is 0
```

QUIT

The QUIT command is an alias for the EXIT command. See the EXIT command for more information.

1.7 Related Product Documentation

For more information about the Neoview Command Interface (NCI), see this manual:

- o Neoview Command Interface (NCI) Guide

This manual is available on the Business Intelligence Solutions page of docs.hp.com: <http://docs.hp.com/en/busintellsol.html>.