

# IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX

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Tivoli

IBM

## IBM Tivoli Netcool/OMNibus V7.3.1



JDBC gateway V3.0 installation on UNIX



This is a self-running demonstration that shows you how to complete a task.  
Controls are available at the bottom of the screen.

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## **IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX**

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### Objectives

When you complete this module, you can perform these tasks:

- Unpack the JDBC gateway installation package
- Back up the Deployment Engine before installation
- Install the JDBC gateway in console mode
- Verify successful installation

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## JDBC gateway introduction

- JDBC gateway is a historical gateway
- The JDBC gateway uses IBM Java that is supplied with Netcool/OMNibus
- JDBC gateway can receive Insert, Delete or Update notifications
- Audit mode
- Reporter mode

The IBM Tivoli Netcool/OMNibus JDBC gateway is a historical gateway that archives event information sent from the Netcool/OMNibus ObjectServer to a destination database.

The JDBC gateway uses the IBM Java supplied with OMNibus to connect to the database. It connects through Java Type 4 JDBC drivers. These drivers are supplied by the database vendors.

When the JDBC gateway is operating in REPORTER mode, the gateway inserts and updates one row in the historical database for every row in the Object Server.

When the JDBC gateway is operating in AUDIT mode, the gateway inserts multiple rows for every insert, update, or delete in the historical database. One row is for every IDUC cycle where the event is modified in the Object Server.

During each IDUC cycle (default of 60 seconds), the JDBC gateway can receive Insert, Delete, and Update notifications. These notifications are sent to the alerts status, alerts details, and alerts journal tables.

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## Prerequisites



- Check the JDBC gateway guide
- Download the JDBC driver
- Determine to run in either AUDIT or REPORTER mode
- Download the JDBC gateway package
- Check the description.txt file

Download the JDBC gateway from IBM Passport Advantage

Check the JDBC gateway guide to determine whether the destination database is supported.

Download the JDBC driver from the database vendor as listed in the JDBC gateway guide.

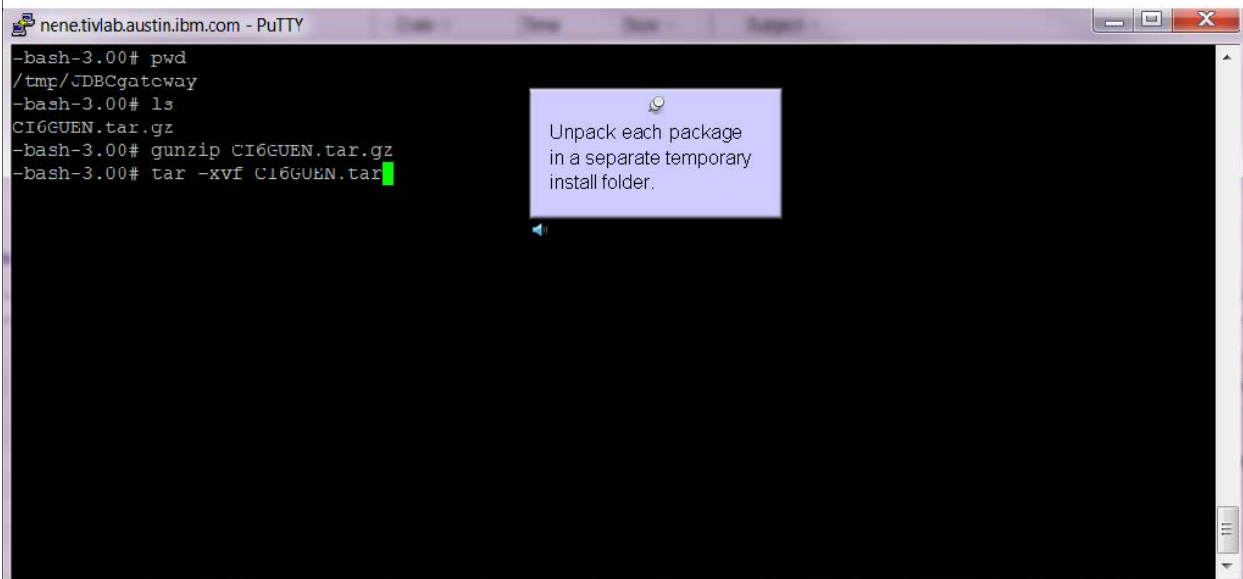
Determine if you will be running in AUDIT or REPORTER mode and download the JDBC gateway configuration scripts from IBM Passport Advantage.

Check the description.txt file within the JDBC gateway package for any other prerequisite software requirements. The pre-installation requirements can change in new gateway releases.

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Unpack configuration scripts and packages



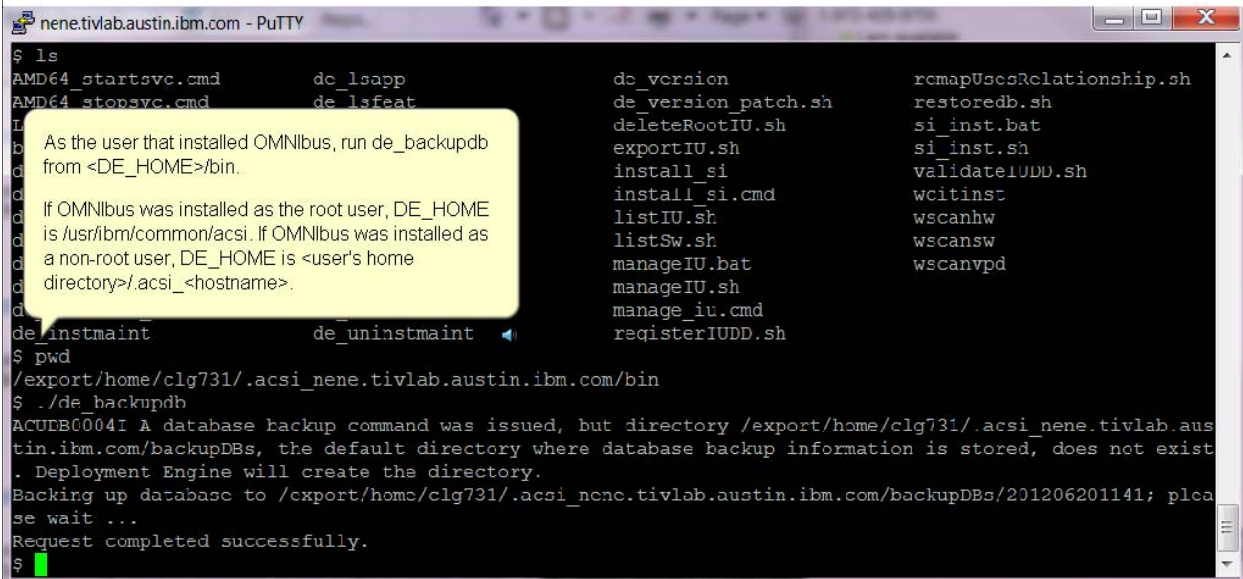
```
nene.tivlab.austin.ibm.com - PuTTY
-bash-3.00# pwd
/tmp/JDBCgateway
-bash-3.00# ls
CI6GUEN.tar.gz
-bash-3.00# gunzip CI6GUEN.tar.gz
-bash-3.00# tar -xvf CI6GUEN.tar
```

Unpack each package in a separate temporary install folder.

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### Deployment engine registry backup



```
nene.tivlab.austin.ibm.com - PuTTY
$ ls
AMD64_startsvc.cmd      de_lsapp                de_version              rcmapUsesRelationship.sh
AMD64_stopsvc.cmd      de_lsfeat              de_version_patch.sh    restoredb.sh
de_instmaint           de_uninstmaint         deleteRootIU.sh        si_inst.bat
de_instmaint           de_uninstmaint         exportIU.sh             si_inst.sh
de_instmaint           de_uninstmaint         install_si              validateIUDD.sh
de_instmaint           de_uninstmaint         install_si.cmd          wcitinst
de_instmaint           de_uninstmaint         listIU.sh               wscanhw
de_instmaint           de_uninstmaint         listSw.sh               wscansw
de_instmaint           de_uninstmaint         manageIU.bat            wscanvpd
de_instmaint           de_uninstmaint         manageIU.sh
de_instmaint           de_uninstmaint         manage_iu.cmd
de_instmaint           de_uninstmaint         registerIUDD.sh
$ pwd
/export/home/clg731/.acsi_nene.tivlab.austin.ibm.com/bin
$ ./de_backupdb
ACUDB0004I A database backup command was issued, but directory /export/home/clg731/.acsi_nene.tivlab.austin.ibm.com/backupDBs, the default directory where database backup information is stored, does not exist. Deployment Engine will create the directory.
Backing up database to /export/home/clg731/.acsi_nene.tivlab.austin.ibm.com/backupDBs/201206201141; please wait ...
Request completed successfully.
$
```

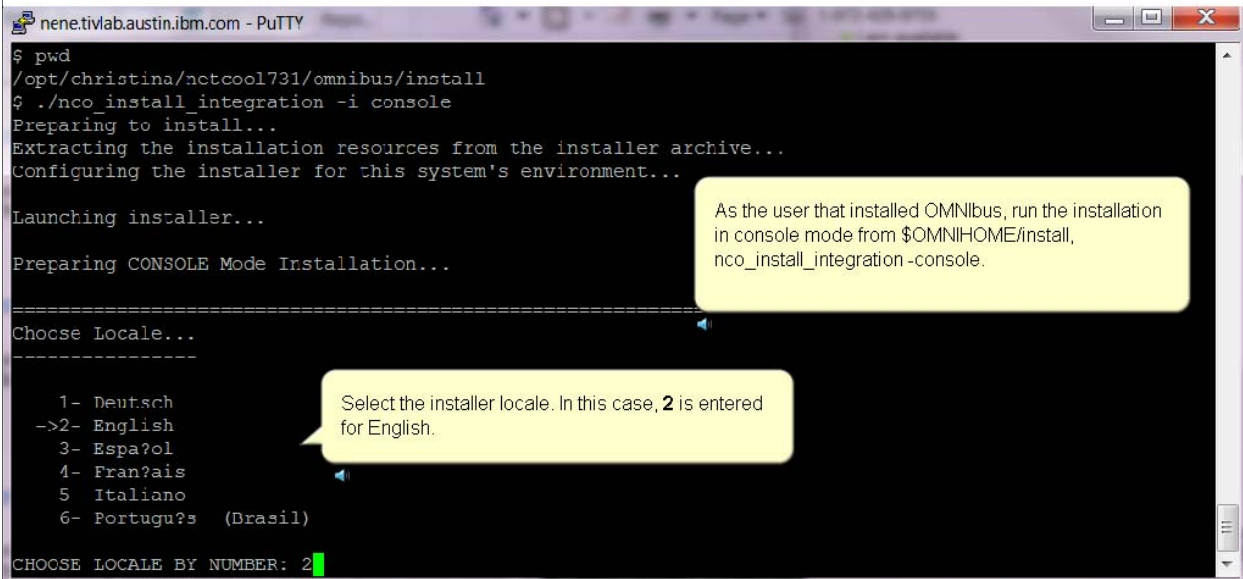
As the user that installed OMNibus, run de\_backupdb from <DE\_HOME>/bin.

If OMNibus was installed as the root user, DE\_HOME is /usr/ibm/common/acsi. If OMNibus was installed as a non-root user, DE\_HOME is <user's home directory>/.acsi\_<hostname>.

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### JDBC gateway configuration script installations



```
nene.tivlab.austin.ibm.com - PuTTY
$ pwd
/opt/christina/nctcool731/omnibus/install
$ ./nco_install_integration -i console
Preparing to install...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...
Preparing CONSOLE Mode Installation...

=====
Choose Locale...
-----
  1- Deutsch
->2- English
  3- Espa?ol
  4- Fran?ais
  5- Italiano
  6- Portugu?s (Brasil)

CHOOSE LOCALE BY NUMBER: 2
```

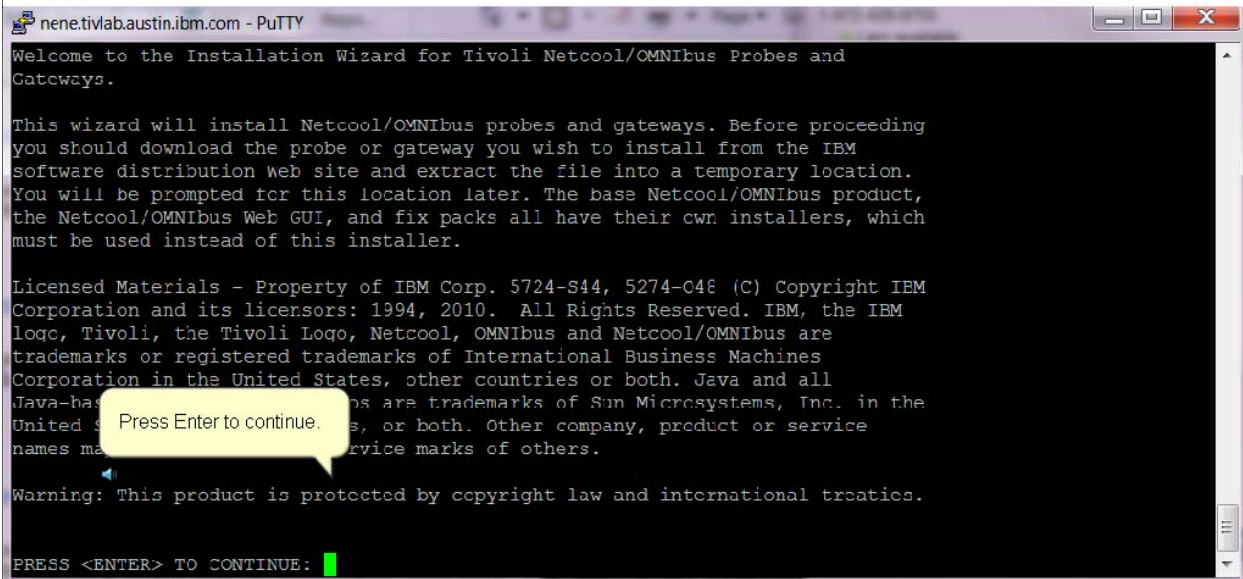
As the user that installed OMNibus, run the installation in console mode from \$OMNIHOME/install, nco\_install\_integration -console.

Select the installer locale. In this case, 2 is entered for English.

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### Probe and gateway installation



```
nene.tivlab.austin.ibm.com - PuTTY
Welcome to the Installation Wizard for Tivoli Netcool/OMNIBus Probes and Gateways.

This wizard will install Netcool/OMNIBus probes and gateways. Before proceeding you should download the probe or gateway you wish to install from the IBM software distribution web site and extract the file into a temporary location. You will be prompted for this location later. The base Netcool/OMNIBus product, the Netcool/OMNIBus Web GUI, and fix packs all have their own installers, which must be used instead of this installer.

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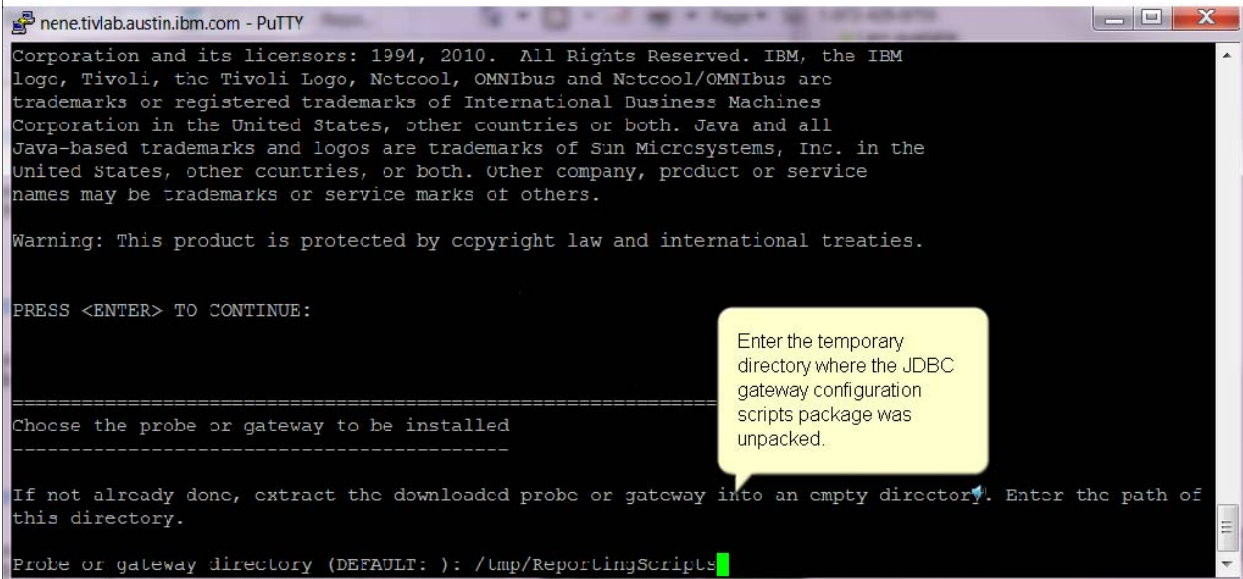
PRESS <ENTER> TO CONTINUE: █
```



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### Probe and gateway installation



```
nene.tivlab.austin.ibm.com - PuTTY
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Java-based trademarks and logos are trademarks of Sun Microsystems, Inc. in the
United States, other countries, or both. Other company, product or service
names may be trademarks or service marks of others.

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PRESS <ENTER> TO CONTINUE:

=====
Choose the probe or gateway to be installed
=====

If not already done, extract the downloaded probe or gateway into an empty directory. Enter the path of
this directory.

Probe or gateway directory (DEFAULT: ): /tmp/ReportingScripts
```

Enter the temporary directory where the JDBC gateway configuration scripts package was unpacked.

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## Probe and gateway installation

```
nene.tivlab.austin.ibm.com - PuTTY
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TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY,
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- PROMPTLY RETURN THE PROGRAM AND PROOF OF ENTITLEMENT TO THE PARTY
FROM WHOM YOU ACQUIRED IT TO OBTAIN A REFUND OF THE AMOUNT YOU PAID.
IF YOU DOWNLOADED THE PROGRAM, CONTACT THE PARTY FROM WHOM YOU
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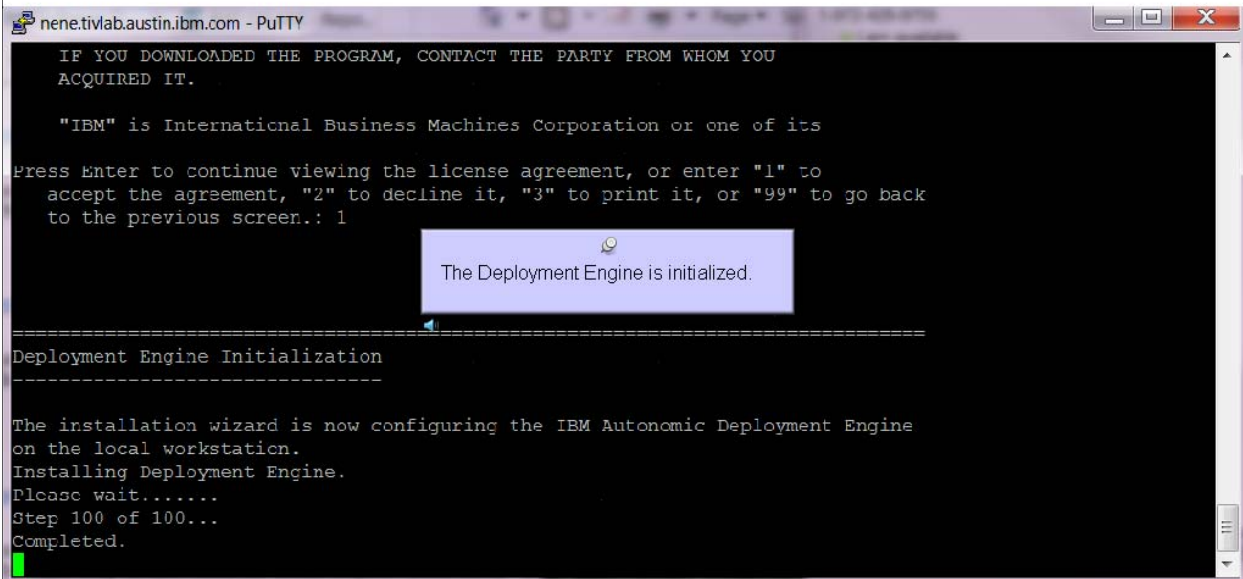
Press Enter to continue viewing the license agreement, or enter "1" to
accept the agreement, "2" to decline it, "3" to print it, or "99" to go back
to the previous screen.: 1
```

Enter 1 to accept the license agreement.

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### Deployment engine configuration



```
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Press Enter to continue viewing the license agreement, or enter "1" to
accept the agreement, "2" to decline it, "3" to print it, or "99" to go back
to the previous screen.: 1

The Deployment Engine is initialized.

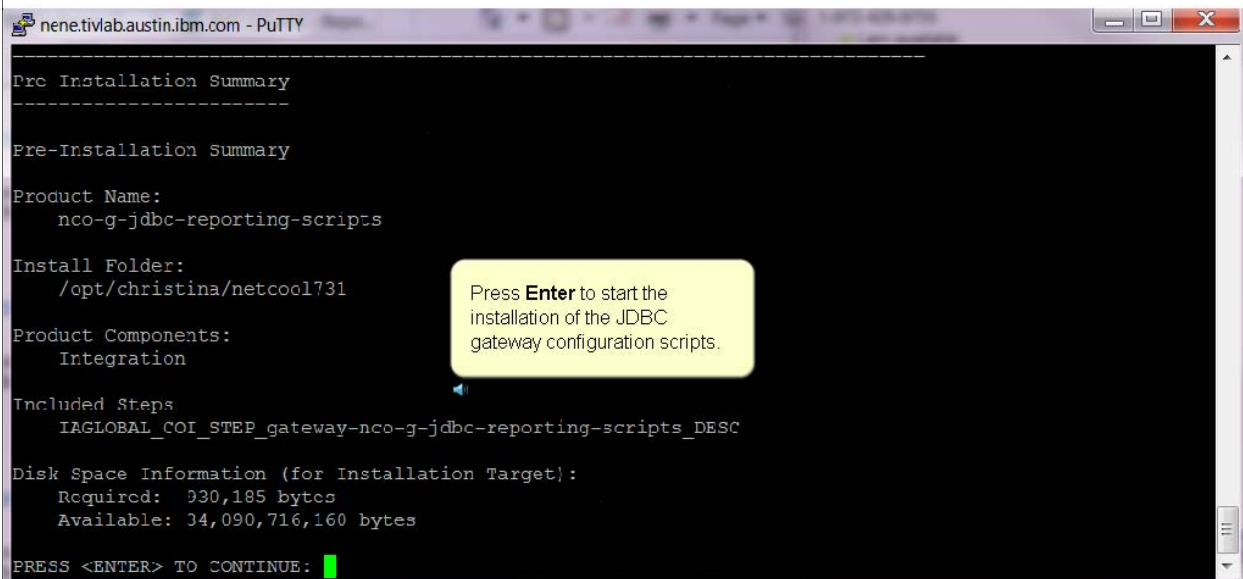
=====
Deployment Engine Initialization
=====

The installation wizard is now configuring the IBM Autonomic Deployment Engine
on the local workstation.
Installing Deployment Engine.
Please wait.....
Step 100 of 100...
Completed.
```

## IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX

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### Pre-installation summary



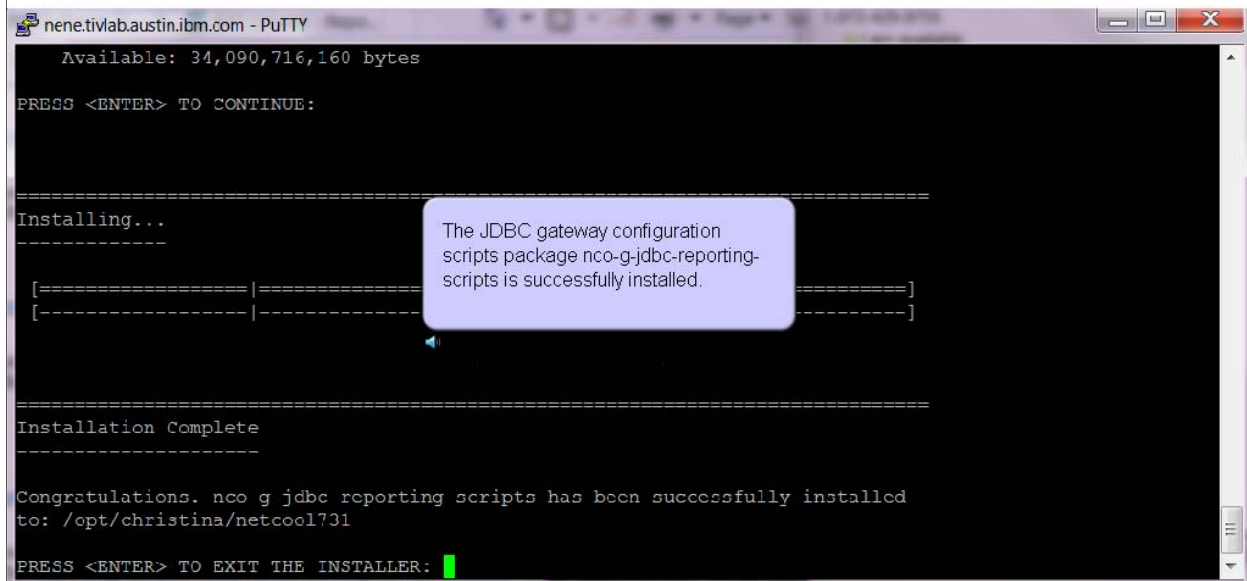
```
nene.tivlab.austin.ibm.com - PuTTY
-----
Pre Installation Summary
-----
Pre-Installation Summary
Product Name:
  nco-g-jdbc-reporting-scripts
Install Folder:
  /opt/christina/netcool731
Product Components:
  Integration
Included Steps
  IAGLOBAL_COI_STEP_gateway-nco-g-jdbc-reporting-scripts_DESC
Disk Space Information (for Installation Target):
  Required:  930,185 bytes
  Available: 34,090,716,160 bytes
PRESS <ENTER> TO CONTINUE: █
```

Press **Enter** to start the installation of the JDBC gateway configuration scripts.

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### Configuration scripts package installation complete



```
nene.tivlab.austin.ibm.com - PuTTY
Available: 34,090,716,160 bytes
PRESS <ENTER> TO CONTINUE:

=====
Installing...
-----
[=====|=====]
[-----|-----]
[-----|-----]
-----

Installation Complete
-----

Congratulations. nco g jdbc reporting scripts has been successfully installed
to: /opt/christina/netcool731

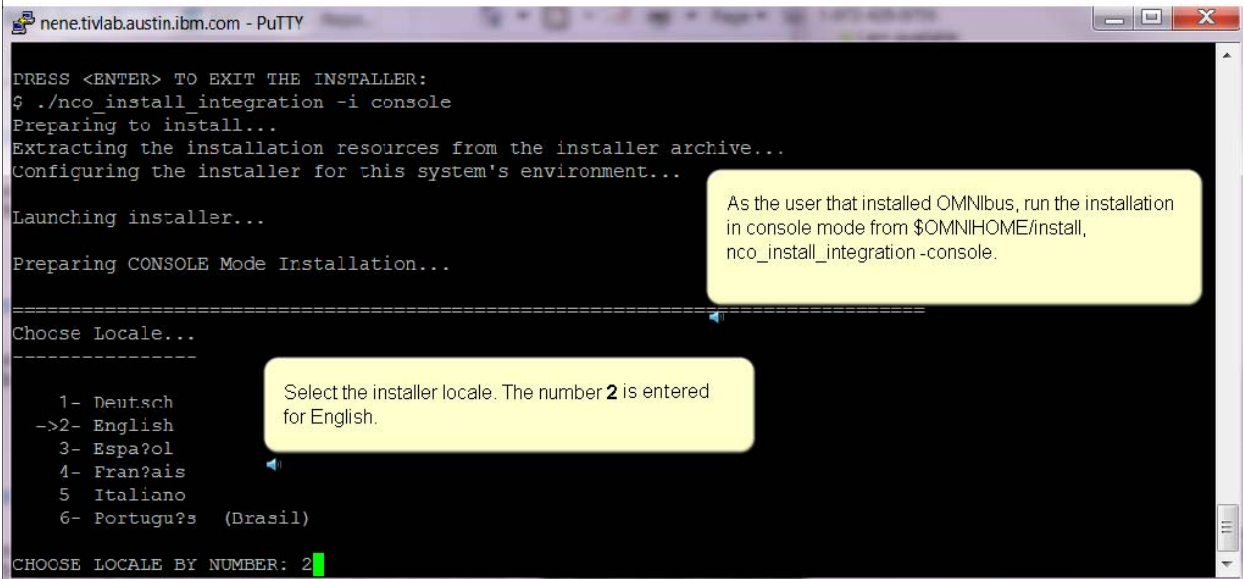
PRESS <ENTER> TO EXIT THE INSTALLER: █
```

The JDBC gateway configuration scripts package nco-g-jdbc-reporting-scripts is successfully installed.

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### Begin JDBC gateway installation



```
nene.tivlab.austin.ibm.com - PuTTY
PRESS <ENTER> TO EXIT THE INSTALLER:
$ ./nco_install_integration -i console
Preparing to install...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

Preparing CONSOLE Mode Installation...

=====
Choose Locale...
-----
  1- Deutsch
->2- English
  3- Espa?ol
  4- Fran?ais
  5- Italiano
  6- Portugu?s (Brasil)

CHOOSE LOCALE BY NUMBER: 2
```

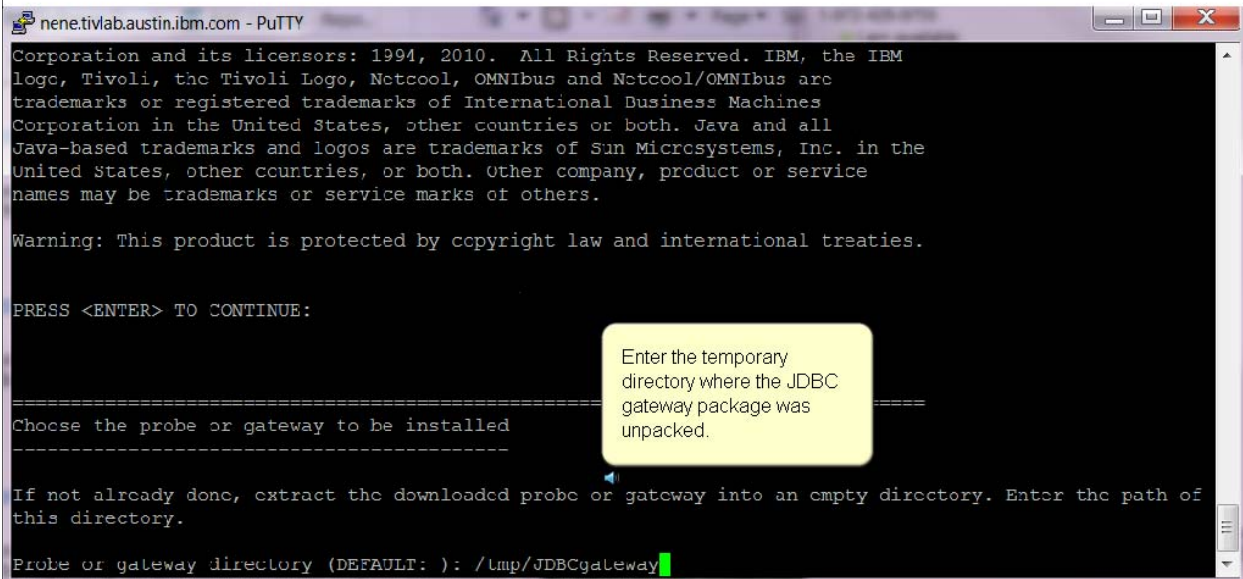
As the user that installed OMNibus, run the installation in console mode from \$OMNIBUSHOME/install, nco\_install\_integration -console.

Select the installer locale. The number 2 is entered for English.

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Change to probe or gateway installation directory



```
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PRESS <ENTER> TO CONTINUE:

=====
Choose the probe or gateway to be installed
=====

If not already done, extract the downloaded probe or gateway into an empty directory. Enter the path of
this directory.

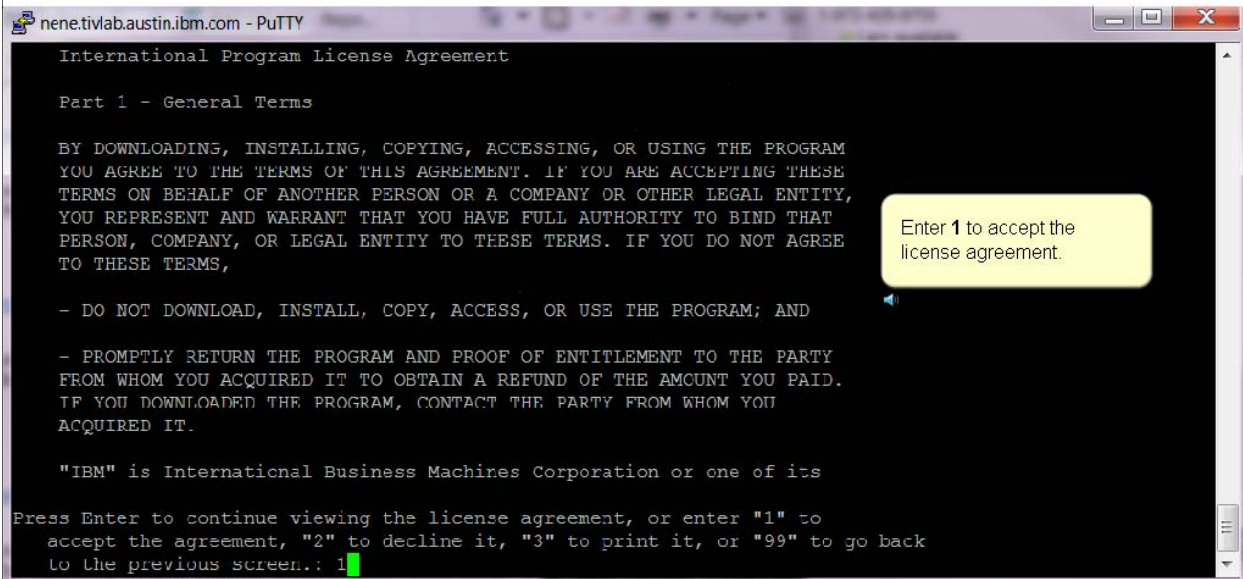
Probe or gateway directory (DEFAULT: ): /tmp/JDBCgateway
```

Enter the temporary directory where the JDBC gateway package was unpacked.

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### View and accept license agreement



```
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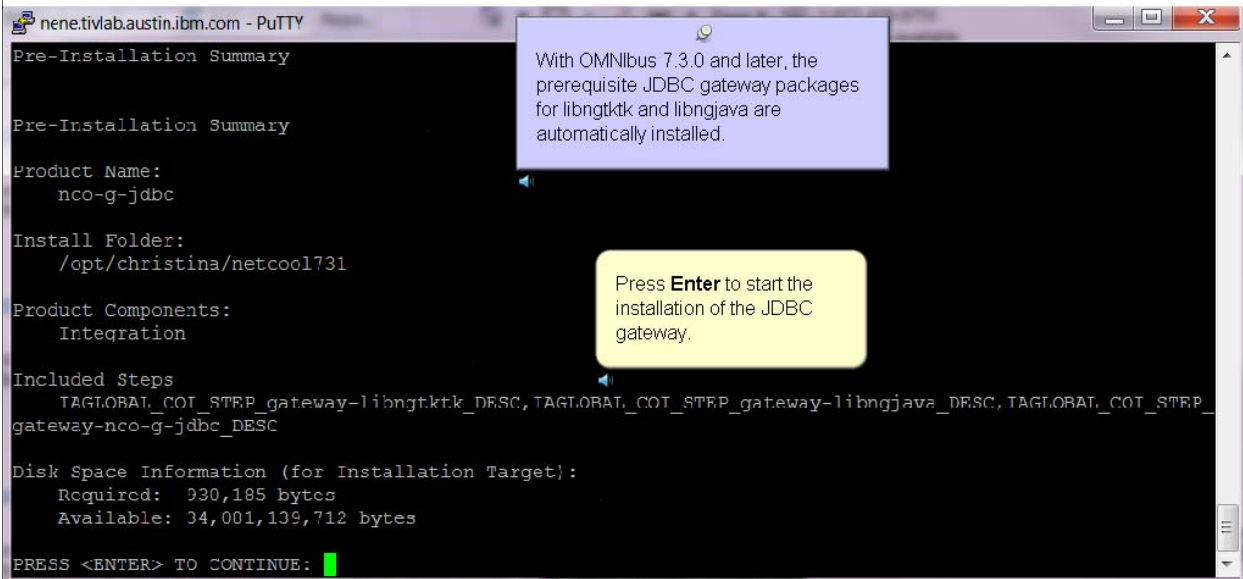
Press Enter to continue viewing the license agreement, or enter "1" to
accept the agreement, "2" to decline it, "3" to print it, or "99" to go back
to the previous screen.: 1
```



## IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX

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### Begin JDBC gateway installation



```
nene.tivlab.austin.ibm.com - PuTTY
Pre-Installation Summary
Pre-Installation Summary
Product Name:
  nco-g-jdbc
Install Folder:
  /opt/christina/netcool731
Product Components:
  Inteqration
Included Steps
  TAGLOBAT_COT_STEP_gateway-libngtktk_DESC, TAGLOBAT_COT_STEP_gateway-libngjava_DESC, TAGLOBAT_COT_STEP_gateway-nco-g-jdbc_DESC
Disk Space Information (for Installation Target):
  Required:  930,185 bytes
  Available: 34,001,139,712 bytes
PRESS <ENTER> TO CONTINUE: █
```

With OMNibus 7.3.0 and later, the prerequisite JDBC gateway packages for libngtktk and libngjava are automatically installed.

Press **Enter** to start the installation of the JDBC gateway.

## IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX

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JDBC gateway installation complete



```
nene.tivlab.austin.ibm.com - PuTTY
PRESS <ENTER> TO CONTINUE:

-----
Installing...
-----
[=====|=====|=====|=====]
[-----|-----|-----|-----]

-----
Installation Complete
-----

Congratulations. nco-g-jdbc has been successfully installed to:
/opt/christina/netcool731

PRESS <ENTER> TO EXIT THE INSTALLER:
$ █
```

## **IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX**

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### Summary

Now that you completed this module, you can perform these tasks:

- Unpack the JDBC gateway installation package
- Back up the Deployment Engine before installation
- Install the JDBC gateway in console mode
- Verify successful installation

## **IBM Tivoli Netcool/OMNibus V7.3.1, JDBC Gateway V3.0 installation on UNIX**

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