

Connect:Direct for UNIX

How to change the node name

© 2014 IBM Corporation



This video shows you how to change the node name in Connect:Direct® for UNIX®.

Table of contents

- Make a backup copy of the installation directory
- Create new directories for the new node name
- Copy configuration files from old node name to new node name directories
- Edit configuration files within the installation
- Update Secure Plus with the new node name
- Update start scripts for Connect:Direct for UNIX
- Other considerations

This presentation shows you how to make a backup copy of the current installation, create new directories for the new node name, and copy configuration files from the old node name to the new node name directories. This presentation also describes how to edit key configuration files within the installation, update Secure Plus with the new node name, and update start scripts for Connect:Direct for UNIX. This presentation will also highlight other considerations that might be applicable to your environment.

Before you start

- This procedure needs to be performed with Connect:Direct stopped
- Be sure that you are logged in as the owner of the application -- the user ID that installed the product

Before you start, this procedure needs to be performed with Connect:Direct stopped. Be sure that you are logged in as the owner of the application, the user ID that installed the product.

Copy the Connect:Direct installation directory

- As a safety precaution, make a backup copy of the Connect:Direct installation directory and subdirectories
Example: `cp -R cdunix cdunix.bkp`
- It is OK to get Permission denied on these files and directories when you do the copy/backup step. They are not vital for changing the node name.

```
cp: cannot open cdunix/ndm/bin/ndmcmgr: Permission denied
cp: cannot open cdunix/ndm/bin/ndmsmgr: Permission denied
cp: cannot open cdunix/ndm/bin/ndmumgr: Permission denied
cp: cannot open cdunix/ndm/bin/cdstatm: Permission denied
cp: cdunix/ndm/SACL: Permission denied
cp: cannot open cdunix/work/node_name/.rnd: Permission denied
```

As a safety precaution, make a backup copy of the Connect:Direct installation directory and subdirectories. An example is to run the copy command, as shown on this slide. When you run the copy command, it is OK to get Permission denied errors for the files and directories that are shown on this slide. These files are not vital for changing the node name.

Create new directories for the new node name

- Go to the <install_dir>/work directory and create a new directory with the new node name, but do not copy any files here
- Go to the <install_dir>/ndm/cfg directory and create a new directory with the new node name

The next step is to go to the installation directory, /work directory, and create a new subdirectory with the new node name. Do not copy any files here. Next, go to the installation directory, /ndm/cfg directory, and create a new subdirectory with the new node name.

Copy configuration files from old node name to new node name

- Copy the configuration files that are shown here from the <install_dir>/ndm/cfg/<old_node_name> directory to the <install_dir>/ndm/cfg/<new_node_name> directory:

initparm.cfg
msgfile.cfg
netmap.cfg
userfile.cfg
license.key (If you are running version 4.0)

After creating the new directories, copy the configuration files that are shown on this slide from the directory with the old node name to the directory with the new node name.

Edit configuration files within the installation (1 of 3)

- Edit the <install_dir>/ndm/cfg/<new_node_name>/initparm.cfg file:
 - Change the value of the ndm.node:name parameter to the new node name
 - If running Connect:Direct V4.0, change the value of the asset.protection:keyfile parameter to the new <install_dir>/ndm/cfg/<new_node_name>/license.key
 - Change the value of the :recid parameter to the new node name
 - Save the initparm.cfg file

The next step is to edit the initparm.cfg file in the new node name directory. Change the value of the ndm.node:name parameter to be the new node name. Next, for Connect:Direct version 4.0, change the value of the asset.protection:keyfile parameter to be the location of the license.key file in the new node name directory. This change is not necessary if you are running a version of Connect:Direct that is greater than 4.0. Finally, change the value of the :recid parameter to be the new node name. Be sure to save your changes to the initparm.cfg file.

Edit configuration files within the installation (2 of 3)

- Edit the <install_dir>/ndm/cfg/<new_node_name>/netmap.cfg file:
 - Change only the old node name definition to the new node name; do not change the other node names
 - Save the netmap.cfg file
- Edit the <install_dir>/ndm/cfg/<new_node_name>/userfile.cfg file:
 - Change any references to the old node name to the new node name
 - Save the userfile.cfg file

The second configuration file to edit is the netmap.cfg file in the new node name directory. Only change the old node name definition to the new node name. Do not change the other node names. Save your change to the netmap.cfg file. Next, edit the userfile.cfg file in the new node name directory and change any reference to the old node name to the new node name. Save your changes the userfile.cfg file.

Edit configuration files within the installation (3 of 3)

- If running Connect:Direct V4.0, edit the <install_dir>/etc/hostid.sh file:
 - Change the value for the CD_NODE_NAME variable to the new node name
 - Save your change to the hosted.sh file
 - This change is not necessary if you are running a Connect:Direct version greater than 4.0
- Edit the <install_dir>/ndm/bin/sample.cd file:
 - Change the value of the snode parameter to the new node name
 - Save your change to the sample.cd file
 - sample_cd is a sample process script that is used for loopback tests; it is a good idea to change it now in case a loopback test is needed in the future

If you are running Connect:Direct version 4.0, then you need to edit the installation directory /etc/hostid.sh file and change the value of the CD_NODE_NAME variable to be the new node name. Save your change to the hostid.sh file. This change is not necessary if you are running a Connect:Direct version greater than 4.0.

Finally, edit the installation directory /ndm/bin/sample.cd file and change the value of the snode parameter to be the new node name. The sample_cd script is a sample process script that is used for doing loopback tests. It is a good idea to change it now in case a loopback test is needed in the future. Save your change to the sample.cd file.

Update Secure Plus with the new node name

These steps can be omitted if Secure Plus is not installed or is not being used

1. Start the spadmin.sh GUI
2. Select File, then Sync with Netmap
 - Browse for the <install_dir>/ndm/cfg/<new_node_name>/netmap.cfg file. Select the netmap.cfg file; then push Sync.
 - Push the Add All button, then the Delete All button
3. Still in the spadmin.sh GUI, double-click the .Local node name. Change the "Base Record" field to the new node name.
4. End the spadmin.sh GUI:
 - Click File then Exit

This slide lists the steps for updating Secure Plus with the new node name. These steps can be omitted if Secure Plus is not installed or is not being used. Start the spadmin.sh graphical user interface. Select File, then Sync with Netmap. Browse to locate the netmap.cfg file in the new node name directory. Select the netmap.cfg file and push the Sync button. Next, push the Add All button and then the Delete All button. Still in the spadmin.sh graphical user interface, double-click the .Local node name and change the value for the "Base Record" field to be the new node name. To exit the spadmin.sh graphical user interface, click File then Exit.

Update start scripts for Connect:Direct

- Change all custom start scripts for Connect:Direct so that they point to the initparm.cfg file in the new node name directory

Example:

```
#!/bin/ksh
```

```
#
```

```
/sci/cdu40/cdunix/ndm/bin/cdpmgr -i /sci/cdu40/cdunix/ndm/cfg/<new_node_name>/initparm.cfg &
```

The last step is to change all custom start scripts for Connect:Direct so that they point to the initparm.cfg file in the new node name directory. The example on this slide shows how you might change the node name in a custom start script.

Other considerations

Here are some other considerations that might be applicable to your environment:

- Check any process scripts that reference the old node name, including any .cdp files for file agent
- Check for any aliases that are defined in the user profile that might direct the user to the old node name configuration path
- After Connect:Direct runs for a while with the new node name, the old node name directories in the <install_dir>/work and <install_dir>/ndm/cfg directories can be deleted

Here are some other considerations that might be applicable to your environment. Check any process scripts that might reference the old node name, including any .cdp files for file agent. Check for any aliases that are defined in the user profile that might direct the user to the old node name configuration path.

After Connect:Direct runs for a while with the new node name, you can delete the old node name directories shown here.

Trademarks, disclaimer, and copyright information

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of other IBM trademarks is available on the web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at <http://www.ibm.com/legal/copytrade.shtml>

UNIX is a registered trademark of The Open Group in the United States and other countries.

Connect.Direct, is a registered trademark of IBM International Group B.V., an IBM Company.

Other company, product, or service names may be trademarks or service marks of others.

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2014. All rights reserved.