

Using License Server 4.0 with Net Express versions 3.0 and 3.1

Installing the LICENSE SERVER 4.0

1. Make sure that your parallel port, parallel mode is set for input and output in the bios, sometimes the parallel mode is set for output only.
2. Put DONGLE/SECURITY key on LPT1 port (parallel port).
3. You may use IIS (Internet Service Manager) on the server or use the License Server web server, which you may select in the License Server configuration after installing.
4. Insert Net Express 3.1 CD in to CD-ROM. It will autostart the installation. Close the window.
5. Go to Start/Run
6. Browse to the CD-ROM
7. Go to the LICENSE SERVER directory.
8. Double-click on the SETUP.exe under the LICENSE SERVER directory.
9. Click NEXT.
10. Click ACCEPT.
11. Fill out Name: and Company:
12. Click NEXT.
13. Select where you want the install to be located.
 - We recommend you install the License Server on a NTFS drive for security reasons.
14. Click NEXT.
15. Click START INSTALL.
16. Wait for it to finish and then click the Finish button.
17. After installing License Server 4.0, there is a License Server FixPack out on the WebSync web page (under the Updates and Fixes selection on the SupportLine web page) that you must run. Go to the www.MicroFocus.com web site, click on the Support link at the top of the page, and then click on Updates & Fixes link. You will be automatically logged on (or asked for your ID and Password to log on) during this process. (Note: you must be registered in order to logon). Under Micro Focus – Websync, you need to click on License Server / License Server 4.0 links and then download the License Server FixPack. Run the FixPack where you installed the License Server.
At this point you will need to set up and start your web server. The instructions for how to do this appear later in this document.
18. You will need to go to the License Server admin screen in a web browser. If you're running the built-in web server, this is automatic. If you're running IIS, you will need to bring up Microsoft Internet Explorer (This is the only browser that supports License Server admin functions) and specify the URL. The URL is <http://servername/virtualDirectoryName/lsadmin.dll>, where *servername* is the name of your server, and *virtualDirctoryName* is the virtual name you gave to the License Server directory.
19. Once you have the License Server screen up in your browser, click on License Server configuration. Next, click on Additional Licenses. Select Net Express and click OK. You will see a Request Key. E-mail the following information to URK@Microfocus.com to obtain a matching Response Key for your submitted Request Key. (1) Your company name and address; (2) your name and contact information; (3) the Request Key; (4) the product serial number; and (5) the number of licenses you are enabling.

20. When you receive the Response Key, enter it into the Response Key field on the same screen where you got the Request Key, then click the Apply button. This should enable your licenses.
21. Now that you have the license enabled for Net Express, go to Group Manager on the License Server configuration window, and set up a group (you may use the blank group). Click Allow Network licensing. Optionally, leave Allow Permanent Licenses deselected. Enter a value in Days: (usually 1). Under Options Allowed, click Net Express. Provide a number for Max Permanent licenses: (usually 0). Under Max Licenses: enter the total licenses that you will enable. Click apply.

Configuring the License Server in IIS

1. Open IIS (Internet Service Manager)
2. Highlight: Default Web Site directory (in IIS).
3. Right-click and select NEW.
4. Select VIRTUAL DIRECTORY.
5. Now you will be entering the New Virtual Directory Wizard.
 - Fill in the Alias Name:
E.g. NETX or any name of you choice.
6. Still in the wizard.
 - Enter the physical path of the directory containing the content you want to publish.
E.g. F:\Lserver\netex
 - This is the directory where you installed the LICENSE SERVER.
7. Next Screen:
 - What permissions do you want to set for this Virtual Directory?
You **MUST** have the following checked.
 - Allow Read Access
 - Allow Script Access
 - Allow Write Access
8. Highlight: Default Web Site directory (in IIS).
9. Right-click and select STOP.
10. Right-click and select START
 - IIS needs to be STOPPED in order to take the new settings.
11. You're finished. License Server should now be working.

Setting up Web browser and License Server as home page.

1. Start Internet Explorer or Netscape (whichever is your default browser).
2. In the Address, type the following: <http://servername/netx/Lsadmin.dll>
 - Netx – Is the subdirectory under Lserver where the Lsadmin.dll exists.
 - Lsadmin.dll – Is what starts the License Server in the browser.
3. Go to Internet Options under Internet Explorer and Preferences under Netscape.
4. Make the Home page location:
 - <http://servername/netx/Lsadmin.dll>
5. Close Internet Explorer or Netscape.
6. Start Internet Explorer or Netscape back up just to ensure that the home page is set to <http://servername/netx/Lsadmin.dll>
7. Open the STARTUP folder.
8. Create a shortcut for Internet Explorer or Netscape that has the <http://servername/netx/Lsadmin.dll> as the home page.

- This is if your server is rebooted the License Server will continue counting as soon as the server is started.
9. Finished.

Configuring the License Server in the License Server web server

1. Go to the server machine where License Server 4.0 is installed. Start > License Server 4.0
Click on *Use License Server Web Server*. Enter a forward slash / for Virtual Directory.
You may need to select a different Port Number
For example, Port Number: 81
Note: When you start the License Server 4.0 in a web browser you need to select the right Port Number.
For example you will need to add the port number after. [lsadmin.dll](#) :81

Installing the Net Express 3.0 with License Server 4.0

1. If you install Net Express 3.0 , you must run the clu02n30.exe FixPack on the WebSync under net Express
3.0 Post Service pack 1 before attempting to get a 1 day license from License Server 4.0
2. On your workstation where you install Net Express 3.0 :
Start -> Programs -> Micro Focus Net Express 3.0 -> Configuration -> Protection System
Under Network licensing : check Use Network licensing
Use the Connection Wizard to put in your servername where you installed License Server 4.0 and group name that
You setup in License Server and port number (default is 80).
3. Now, under License Details, highlight Net Express 3.0 and at the bottom, click on Request 1-day license.

Installing the Net Express 3.1 with License Server 4.0

1. If you install Net Express 3.1, you must run the clu01n31.exe FixPack on the WebSync under Net Express
3.1 before attempting to get a 1 day license from License Server 4.0
2. On your workstation where you install Net Express 3.1 :
Start -> Programs -> Net Express 3.1 -> Configuration -> License Management System
Under Network licensing : check Use Network licensing
Use the Connection Wizard to put in your servername where you installed License Server 4.0 and group name that
you setup in License Server and port number (default is 80).
3. Now, under License Details, highlight Net Express 3.1 and at the bottom, click on Request 1-day license.

Trouble Shooting the License Server and Net Express product

1) License Server 4.0, Net Express 3.1 and Solo

Problem:

On Windows NT 4.0 server:

 Installed License Server 4.0

 Installed Net Express 3.1

When tried to startup solo in Net Express 3.1, socket 80 was already in use.

Reason:

License Server 4.0 – When you go to License Server-> Configuration and you check Use License Server Web Server, you are defaulting to using Solo (port 80).

Action:

Look at the help in the License Server configuration window.

If you check Use License Server Web Server then you need to change the following:

Uncheck Use License Server Web server and change the Server name to the machine name, change the Virtual Directory to "/" only and port to 81 (or some other number different from the default 80) and Reboot the server.

Now, when you go into Net Express 3.1 license management – use network licensing – connection wizard and make sure it goes to the settings above Server name, virtual directory and port.

2) Net Express 3.0, Net Express 3.1 and Daylight Savings issue.

Steps to take to resolve the license corrupt problem in Net Express 3.0 or Net Express 3.1

First try the clu02n30.exe for Net Express 3.0 or clu01n31.exe for Net Express 3.1 FixPack from the WebSync

Second, if this does not fix the license corrupt, then

from NetExpress/base/bin run

```
>protcfg.exe /force_reset
```

this will reset the license to 30 days and get request key

run again

```
>protcfg.exe
```

and click on the full license at the bottom of window and get request key for full license.

The final step if all else above fails

1. Uninstall the product through ADD/REMOVE programs in the control panel
2. GOTO Start->Run and type in *regedit*. For windows 2000 type in regedt32
Do edit -> find and look for Net Express
delete wherever you see [Net Express](#). Make sure that you get all of them. Take the cursor on the vertical scroll bar back to the top and highlight My computer. Do find next and if it reaches the bottom, then you have them all.

3. Reboot the machine.

4. Reinstall Net Express 3.0 or Net Express 3.1

5. Go to Programs-> Net Express 3.0-> Configuration ->Protection System.

Go to Programs-> Net Express 3.1-> Configuration ->License Management System.

Highlight Net Express 3.0 or Net Express 3.1 down in license details and generate full license.

You will get a request key for full license.

Note: customer may also be using License Server, then they would check Use network licensing and then highlight Net Express 3.0 or Net Express 3.1 in license details and click on request 1-day license.

3) Notes on License Server 4.0 and Windows NT 4.0 server.

Here is one customer's problem with License Server 4.0 and Net Express 3.1 not being able to find License Server. The problem was with settings on their pc in the control panel >
Network:

Installed software on client machine. (Micro Focus 3.1)
Customer wanted to use the license (1 day) on the server.
Customer went to "system", "start", "settings", "control panel", "NETWORK"
Customer went to "protocols", "TCP/IP", and "properties".
Customer checked "obtain IP address from DHCP"
In the WINS Addresses we put a primary and secondary address. (site unique).
Customer checked "enable DNS for windows resolution".
Customer checked "enable lmhosts lookup".
Customer then went to "DNS", and "Search order" and put in The appropriate IP address.
After we did the instructions below. We rebooted and things worked fine.

On the client PC. Under the following nodes:

C:\Winnt\System32/drivers/etc

We copied the following files from a PC that was currently working. A person could create these files new as well. We are not sure which of the files did the job.

Lmhosts

(ip address of server) (server name) (#PRE)
(ip address of server) (server name) (#PRE)

another purpose

Lmhosts.sam

(same as above)

Hosts

(ip address of local host)
(same as above)

Customer then went to the following:

"start", "programs", "merant", "configuration",
"license Management system"

checked "use network licensing", "connection wizard", "next" and entered :

Server name, virtual directory, port 80, group id = n/a, days = 1

Then highlighted "net express", clicked on "one day license"

4) Notes on License Server 4.0 and Windows 2000 server.

Please be aware that win2000 does have harsher protection on the registry, and LS4 does need to write out to the registry. The web user (IUSR_<machine_name>) needs to have at least power_user privilege. If they dont want to do that then micro focus can supply the registry trees that this user needs write access to.

Another point is that win2000 seems to be a bit stricter on security under IIS, so again you need to change the IIS user (IUSR_<MACHINE_NAME>) so that it is part of the administrator group.

The symptoms of the problem include:

Not being able to set groups. Change some group attributes, press apply, and then refresh. The changes made go away. Mainly, any attributes that need storing can suffer from this symptom.

File permissions on the License Server

1. Load IIS Manager, I'll call that ISM from now on.
2. Open an explorer window into the NETX folder where the license server is installed.
3. change security permissions for LSADMIN.DLL to the user id you want (probably Administrator)
4. Go to ISM.
5. Find the virtual directory you set up, right click it and hit properties
6. Select the Directory Security Tab and click the Edit tab next to Anonymous access.
7. Click the Edit next to Account used for anonymous access.
8. I changed the account to that of the administrator for the machine, you could set up another user/group with the correct access permissions and use that, but I stuck with Administrator. Remember this is only for the NETX directory so security should not be compromised in anyway.
9. Ok all the way back to the main ISM screen.
10. In the right hand pane you should see all the files in the NETX directory, if not, highlight the Virtual directory you set up, then you should.
11. Select lsadmin.dll , right click and choose properties.
12. Select the file security tab, and press the edit button for Anonymous access.
13. Untick the allow anonymous access button. This will mean any access to lsadmin.dll will have to be validated, and only the user(s) you set up in #3 will have access.

14. Ok all the way back to main ISM screen.
Have a coffee break!
The client should now be able to connect , as they will use anonymous, and hence the Admin account.
The client should not be able to get to lsadmin.dll with a correct username/password.