

## **NOD32 v2 in a Network Administrator Guide** (including *mirror setup and configuration file*)

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In this document we will show the **4 steps** involved in deploying and managing NOD32 in a network. The steps are:

- 1. Create Folders (on shared drive) for each for the OS's needed.**
- 2. Install Administrator Version of NOD32 on Administrators PC.**
- 3. Create Config.xml files(s) to manage client settings.**
- 4. Install NOD32 on workstations/servers.**

You will need ...

- Administrator rights on the workstations/servers you are installing on.
- NOD32 for Windows (Commercial Version 2) – Administrator Version. The Administrator version has additional functionality to support the creation of the update "mirror" on the LAN. Note: a multiuser license is needed in order to access the Administrator version.
- NOD32 for Windows (v2) for each OS needed.
- WinRAR or a similar tool to extract files (available from [www.rarlab.com](http://www.rarlab.com)).

All of the NOD32 files can be downloaded from the [www.nod32.com.hk](http://www.nod32.com.hk) website.

## 1. Create Folders for each OS install needed

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### 1.1 Create Network Folders

To manage a central installation and mirror site we suggest the following structure.

- \\ServerName\Path\NOD32

Subdirectories from NOD32 should be created as follows

- \\ServerName\Path\NOD32\9x - OS type
- \\ServerName\Path\NOD32\NT - OS type
- \\ServerName\Path\NOD32\Mirror

The path between the ServerName and NOD32 will depend on your specific environment and network conventions. Also we recommend the NOD32 folder be shared as NOD32 so the additional path details are not required to access the NOD32 location. The administrator workstation must have full rights to this share and its files/subfolders. The users need only have read and execute.

### 1.2 Extract Files and Populate the Network Folder Structure

Download the full version of the NOD32 program from [www.nod32.com.hk](http://www.nod32.com.hk) for the OS types required for your workstations/servers and save them to the correct OS Subdirectories created in 1.1.

Use WinRar or similar tool to extract the contents of downloaded program files and save them to the folder that matches the OS family.

Files contained in \\Servername\path\NOD32\9x should be

- 98baseen.nup
- 98ineten.nup
- 98stden.nup
- advheur.nup
- archs.nups
- engine.nup
- main.dll
- mfc42.dll
- msvcrt.dll
- setup.exe
- setup.xml
- readme.txt

These files are all from the **nd98enst.exe** file and were extracted from the .exe archive earlier and are contained in the nd98enst folder. Copy or move the above files from the nd98enst folder into the \\Servername\path\NOD32\9x folder as created in 1.1. Delete the nd98enst Folder and any remaining files in them.

Files contained in \\Servername\path\NOD32\NT should be

- ntbaseen.nup
- ntineten.nup
- ntstden.nup
- advheur.nup
- archs.nups
- engine.nup
- main.dll
- mfc42u.dll
- msvcrt.dll
- setup.exe
- setup.xml
- readme.txt

These files are all from the **ndNTenst.exe** file and were extracted from the .exe archive earlier and are contained in the ndNTenst folder. Copy or move the above files from the ndNTenst folder into the \\Servername\path\NOD32\NT folder as created in 1.1. Delete the ndNTenst folder and any remaining files in them.

Files contained in \\Servername\path\NOD32\Mirror

These files are automatically created when the Administrator Control Centre runs the Mirror Update either manually or automatically. Thus any changes made to the XML configuration by the Administrator Control Centre are transferred to the workstations/servers when next updated (XML file(s) need to be made and setup so the workstations/servers use the XML file for its settings).

## 2. Install Administrator Version of NOD32 on Administrators PC

These steps should be carried out from the Administrator workstation or from the server if the program is to be administered from the server.

### 2.1 Install NOD32 Administrator Version

- 2.1.1 Download NOD32 Version 2 Administrator Version program from [www.nod32.com.hk/download](http://www.nod32.com.hk/download) for the OS type required. This program needs to be installed on the Administrator workstation or Server. This workstation/server must have an Internet connection and be online so it can update automatically eg Every Hour.
- 2.1.2 Run the nd**XX**enad.exe file where **XX** matches the OS of the Administrator workstation or Server. You will be asked what type of Install you wish to do .You can choose Typical and configure the setup later or choose Expert if you wish to configure some settings during the install. Reboot when requested.
- 2.1.3 After reboot go into the NOD32 Control Center and make any settings changes as you wish and also manually update the Virus Definitions.

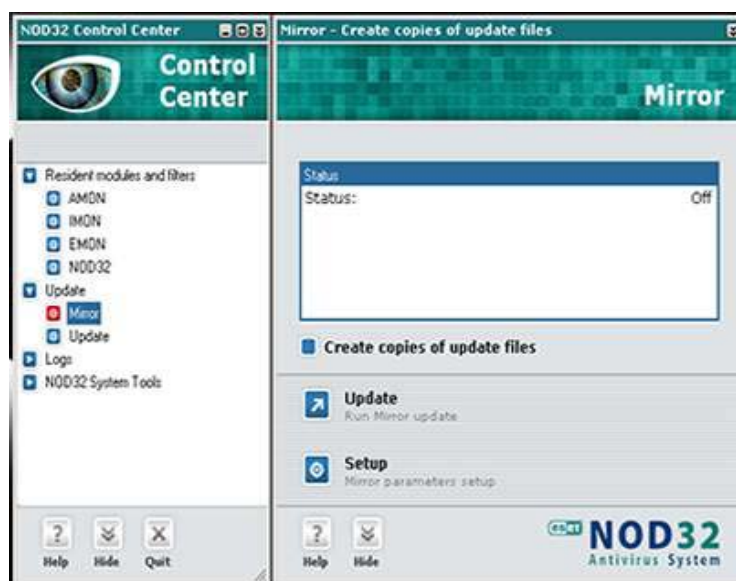
### 2.2 Configure “Mirror” set up

The NOD32 “mirror server” is a LAN copy of the NOD32 update files (virus definitions and program component upgrades), which can be used by network workstations and servers to update from.

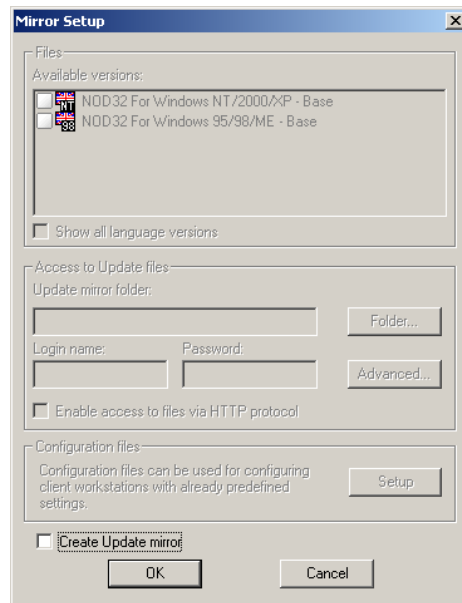
The Mirror defines a network file location (eg: \\Servername\Path\NOD32\Mirror). Each time the NOD32 Administrator PC updates, copies of the update files are placed in the Mirror folder(s).

Set up the mirror as follows ...

- 2.2.1 In the Control Center go to Update | Mirror



2.2.2 Click the setup button... this screen will appear.



Click the “Create Update mirror” check box.

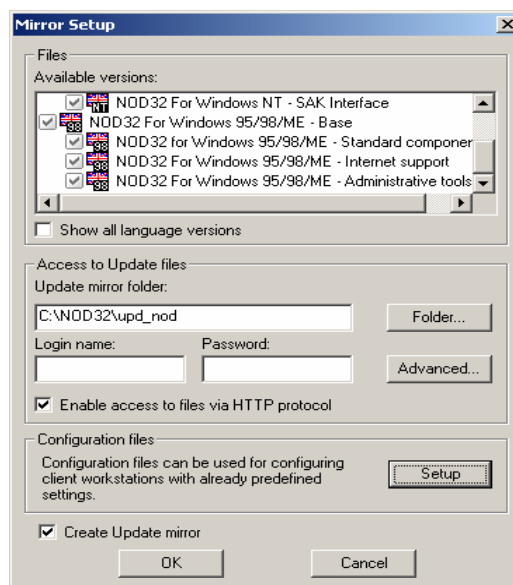
Now configure the mirror settings

**2.3 Under the Files option, tick the OS’s of the workstations/servers that will be accessing the mirror.**

2.3.1 Under the “Access to Update files” option define the mirror folder as created in 1.1 If the mirror is on the workstation or server where you have installed NOD32 Administrator you can use a local path eg C:\NOD32\MIRROR.

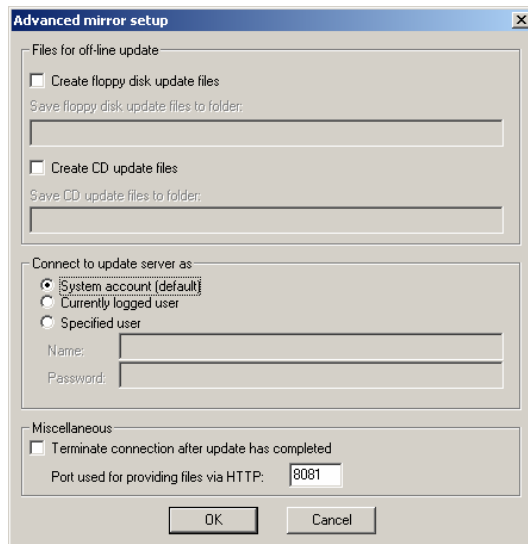
If the mirror folder is not on the local machine you must use a full UNC path.

Tick “Enable access to files via HTTP protocol”. The “Mirror Setup” window should now look similar to this ...



2.3.2 You may also optionally create and use a configuration file to manage the NOD32 client settings. You can define the files in Configuration Files | Setup. The workstations/servers will synchronise their settings with the configuration file each time they update. Below in 3.1 is an example of how to create a config.xml file.

2.3.3 Mirror Setup | Advanced has some further optional settings.

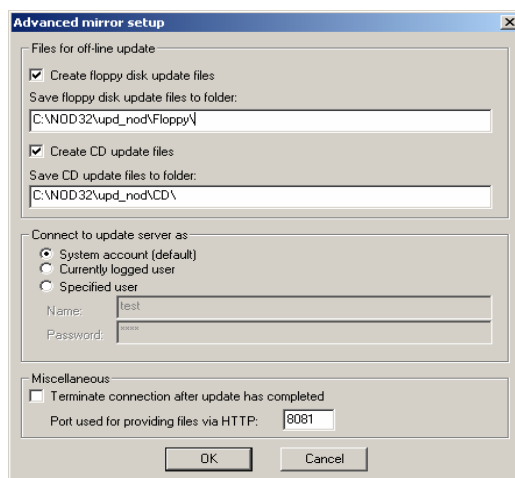


2.3.4 Here you can create copies of the update files for later copying to Floppy disk and CD (this feature is used for updating workstations/servers that do not have access to network or internet update files).

2.3.5 The “Connect to Update sever as” setting lets you manage how you want workstations/servers to connect to your mirror update server (only needed for non-http [UNC path] mirror operation).

2.3.6 Under Miscellaneous you can define which port you wish to use for HTTP updates (default is 8081).

After configuration the **Advanced Mirror Setup** screen should look similar to this:



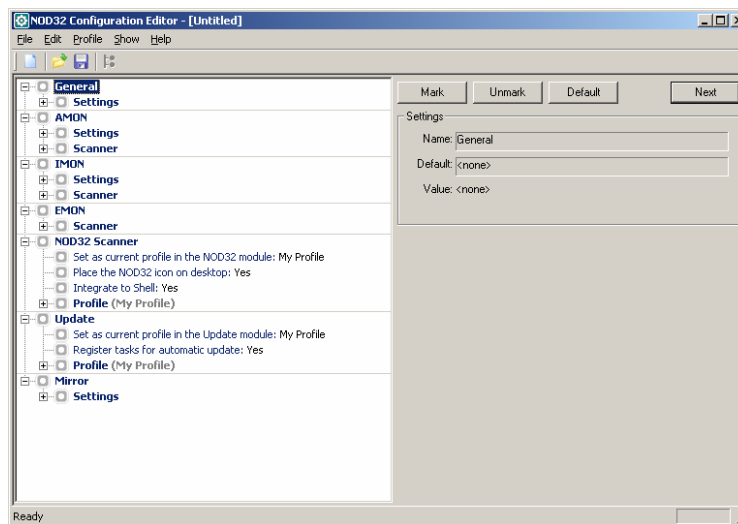
Your Mirror server is now ready to use, however you can now create a “configuration file” to standardise and manage client configurations.

### 3. Create Config.XML File(s) to manage client settings

The XML configuration file (eg config.xml) manages NOD32 client configurations. It can be created and managed via the NOD32 Configuration Editor, which is available via the NOD32 version 2 Administrator install. It is strongly recommended that this file be saved on the same server as the “NOD32” directory as created in 1.1

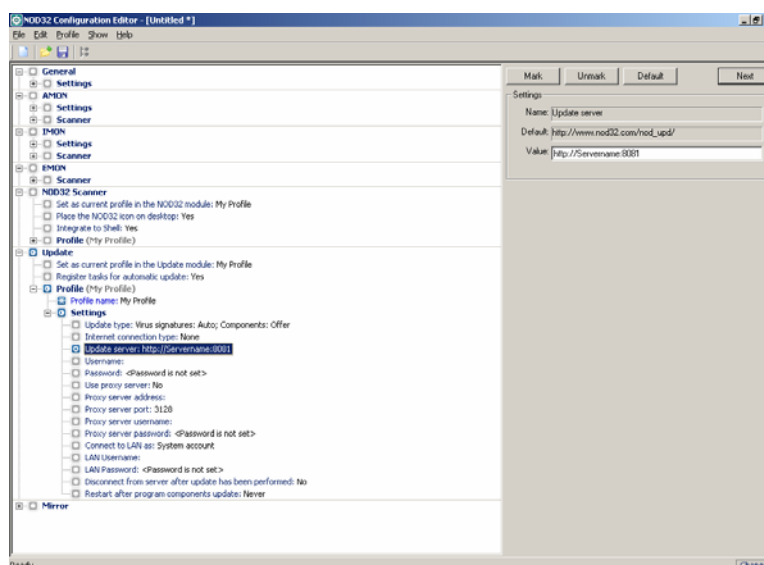
3.1 Below is an example of how to create a config.xml file.

- Run the Start>Programs>Eset>Configuration Editor



- The most important setting in the config.xml file is the update server (Mirror server). Define this in Update | Profile | Settings | Update server eg: `http://Servername:8081` (where 8081 is the default port number)

If you are using a physical mirror file location define the UNC path.



- Define your settings and save the configuration file as (eg) “config.xml” to the “NOD32” directory as created in 1.1. The “NOD32” directory now contains a complete NOD32 Installation package. To use this file in the Mirror setup go back to step 2.3.2

## 4. Installation on network workstations and/or servers

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Once the steps above have been completed you are ready to install NOD32 Version 2 on network workstations/servers.

The setup.exe program(s) as extracted in 1.2 are used together with a config.xml file as created in Step 3.

### 4.1 Example

When the installation is performed on a network and the machines are named:

- Client machine: CLIENTNAME
- Server machine: SERVERNAME
- The "NT" or "9X" directories are in the shared folder on the SERVERNAME named: "NOD32"
- The configuration file Config.xml is in the shared folder: NOD32
- The user performing the installation must have administrator rights on the CLIENTNAME and at least read rights on the SERVERNAME

Then after executing the command on the CLIENTNAME (e.g. via batch file):

```
"\\SERVERNAME\path\NOD32\NT\setup.exe /silentmode /reboot  
/cfg=\\SERVERNAME\path\NOD32\config.xml"
```

Will install NOD32 version 2 with configuration defined in the file "config.xml" with no user interaction and then reboot the workstations/servers running Windows NT/2000/2003/XP.

The 95/98/ME installations obviously need to use the setup.exe file located in the 9X directory.

You may use a login script, to cause an install of NOD32. A batch file can be called from a login script but four conditions must be met as listed below

- NO other virus checker is installed in the workstation.
- The correct OS family must be identified so the correct batch file is run
- A test should be made for a current installation of NOD32 so the installation is not repeated, as a reboot is required.
- Users of NT/2K workstations/servers would require administrator rights

**NOTE: It is strongly recommended that this installation methodology be sample tested on your own network before commencing a full roll-out.**

## 4.2 Other optional parameters for setup.exe

- **/silentmode** - silent installation - switches to the mode without any dialog windows
- **/uninstall** - uninstall of the existent installation
- **/forceold** - installs also over a newer version
- **/cfg=** - a switch with the configuration file name set up by the administrator (eg: "config.xml")
- **/settings=** - name of the mandatory "setup.xml" file
- **/test** - a test of the program - it just runs and does nothing (it just writes date of the execution and parameters of the program to the "nsetup.log" file)
- **/reboot** - in silent mode, even if there is a need for restart after the installation, the machine is not restarted. If this parameter is used a restart is forced.
- **/pwd=** - entering a password for uninstall - it's needed to add when the NOD settings are locked
- **/nup=** - if this parameter has any value set (to a filename with a component), the setup doesn't require "setup.xml" for the whole installation, but it is possible to make a supplement installation with that component)
- **/instmfc** - switches the mfc installation on, if needed, also without asking - also important especially for the silent mode; if some of the mfc's from Microsoft are part of the installation package (if they are in the same directory) – they are checked by setup if these (or a newer ones) are on the target computer - if not, they will be installed.

The '=' switches require entering a specific string (e.g. a file name) - this string can be entered either with the quotation marks or without - but if the string contains a space the quotation marks are mandatory.

## 5. Contacting Technical Support

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If you have any enquiry about NOD32 Antivirus System or need support from us, please feel free to contact us at:

<http://www.nod32.com.hk/support>

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