

NetSight Suite Installation

This document provides instructions for installing the Enterasys NetSight Suite of products. It includes steps for installing and launching NetSight, and for launching NetSight applications on remote NetSight clients. It also includes information for those upgrading from an earlier version of NetSight.

NOTE: When this help topic is opened outside of the NetSight help system, the links from this topic to other help topics will not work. Links within the topic will work and once you've installed NetSight, you can launch the help system and access help for all topics.

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General Information

Before you install the NetSight, it is recommended that you read the [NetSight Release Notes](#). The most recent version of the release notes can be found on the NetSight

Documentation web page: <http://www.enterasys.com/support/manuals/netsight.html>. If you are installing from a CD, you can also access the release notes from the CD with a web browser by opening the `relnotes.htm` file located in the top-level directory.

When you purchased NetSight, you received a Licensed Product Entitlement ID that allows you to generate a product license. Prior to installing NetSight, you must redeem your Entitlement ID for a product license. Refer to the instructions included with the Entitlement that was sent to you. (For more information, see <http://www.enterasys.com/products/management/downloads/NetSight.html>.)

Operating System Requirements

These are the operating system requirements for both the NetSight Server and remote NetSight client machines. Only 32-bit operating systems are supported.

- **Windows** (qualified on the English version of the operating systems)
 - Windows Server™ 2003 w/ Service Pack 2
 - Windows XP® w/ Service Pack 2
 - Windows Vista
- **Linux**
 - Red Hat Enterprise Linux WS and ES v4 and v5
 - SuSE Linux versions 9 and 10

Hardware Requirements

These are the hardware requirements for the NetSight Server machine and the requirements for remote NetSight client machines:

- **NetSight Server (Includes NetSight Server and Local Client)**
 - Recommended P4-2.4 GHz, 2GB RAM
(Windows Vista requires 2GB RAM)
 - Free Disk Space - 1GB
(User's home directory requires 50MB for file storage)
- **Remote Client**
 - Recommended P4-2.4 GHz, 1GB RAM
(Windows Vista requires 2GB RAM)
 - Free Disk Space - 100MB
(User's home directory requires 50MB for file storage)
 - Supported Web Browsers:
 - Internet Explorer version 6 and 7
 - Mozilla Firefox 2.0
 - Java Runtime Environment (JRE) 1.5 or higher
(Windows Vista requires JRE 1.6 or higher)

NAC Appliance Version Requirement

- NAC Manager version 3.1 is not compatible with older versions of the NAC Appliance. If you have NAC Appliances version 1.2 on your network, it is important that you plan your migration to NAC Appliances version 3.1. You can download the latest NAC Appliance version at <http://secure.enterasys.com/products/management/downloads/NetSight.html>. For more information, see the [Upgrade Information](#) section of these Installation instructions.
- NAC Appliance version 1.2 is not supported on the following NAC Appliance hardware:
 - SNS-NSS-ITA Gateway Appliance
 - NAC Controller Appliance
 - SNS-TAG-HPA/LPA Gateway Appliance revision 5F or higher. (The last two digits on the Serial Number label show the appliance revision number.)

Screen Resolution

For optimum display of NetSight windows and tables, the recommended minimum screen resolution setting for NetSight clients is 1024 by 768 pixels.

Evaluation Copy

If you have requested a NetSight evaluation license, you will receive a License Key. Evaluation requests for each product are limited to three 30-day instances.

To upgrade from an evaluation copy of NetSight to a purchased copy, contact your Enterasys Networks Representative to purchase the software and receive an Entitlement ID. You do not need to reinstall the software to perform the conversion. If your Evaluation copy has not expired:

1. In the NetSight Console main window, select **Tools > Server Information**.
2. In the Server Information window, click the **License** tab.
3. Select Console from the table and click **Change License**.
4. Read and accept the License and click **OK**.
5. Enter the license text that you received when you generated the product license. (When you purchased the software, you received a License Entitlement ID that allows you to generate a product license. Refer to the instructions included with the License Entitlement ID that was sent to you.)
6. Click **Update**. The license file will be updated with the new license text.

If you have let your Evaluation Copy expire, when you launch NetSight Console a window opens where you can enter the license text.

NetSight Services

During the NetSight installation, you have the option of enabling (configuring to launch automatically) the NetSight Services. The services offered depend on whether your platform is Windows or Linux.

- **SNMPTrap Service** (Windows and Linux) - Enables SNMP trap messages to be received and logged when problems or irregularities are detected on network devices. Only one trap service may be running at a time on a server. If you are also running a network management system on the server, you may wish to use the network management trap service.

Windows Users: Windows users should check for and stop any other SNMP trap service before enabling the NetSight version (see [Stop Other Services](#)).

- **TFTP** (Windows and Linux) - Enables you to upload and download configuration files, and download firmware to devices. Only one TFTP service may be running at a time on a machine.

Windows Users: Windows users should check for and stop any other TFTP service before enabling the NetSight version (see [Stop Other Services](#)).

Linux Users: Typically, the TFTP service that exists in Linux is disabled; however, if it is enabled, you may wish to disable it and enable the NetSight version of TFTP which provides additional features for NetSight. If you elect to enable the NetSight version on the Linux platform, you must first disable the Linux TFTP service and perform some configuration as follows:

1. Using a text editor, edit the file `/etc/xinetd.d/tftp`
2. Set `disable = yes`

Sample file:

```
service tftp
{ flags = REUSE
  socket_type = stream
  wait = no
  user = root
  server = /usr/sbin/in.tftp
  disable = yes
}
```

3. Then run : `/etc/rc3.d/S56xinetd restart`

- **BOOTP** (Windows only) - Enables the NetSight server to also be a BOOTP server. This allows the server to supply devices with firmware images (or other basic identity information) in the event the device's current firmware image becomes corrupt. Only one BOOTP service can be running at a time on a machine.
- **Syslog** (Windows only) - NetSight Console maintains a record of syslog messages in the Syslog tab of the Event View.

When you enable a NetSight service, it runs in the background on the NetSight server. The service starts automatically by default, and if you shut down and restart the machine, the

service is restarted automatically. After you've installed NetSight, you can use the **Tools > Options** [Services for NetSight Server window](#) to enable or disable the automatic startup of these services. For example, if you do not enable the TFTP service when you install, you can use the Options window to enable the automatic startup of the TFTP service. In addition, there may be times when you want to stop or restart the services manually; for information see [NetSight Services](#).

Upgrade Information

Upgrading to NetSight NAC Manager 3.1

When you upgrade to NAC Manager 3.1, you must upgrade the software on your NAC Gateway appliances as well as the NetSight Server software. NAC Manager version 3.1 is not compatible with older versions of the NAC appliance software. If you have NAC appliance version 1.2 on your network, it is important that you plan your migration to NAC appliance version 3.1. You can download the latest NAC appliance version at <http://secure.enterasys.com/products/management/downloads/NetSight.html>.

If your NAC solution includes assessment, enhancements to NAC Manager's assessment functionality and design require special consideration when upgrading. In NAC Manager 3.1, *assessment configurations* are used to define different assessment requirements for end-systems. These assessment configurations are tied to NAC configurations and specify what assessment tests to run, what assessment resources to use, and how to interpret assessment results. Because of this change in assessment functionality, the assessment servers you created in earlier versions of NAC Manager will be deleted during the upgrade, and you will be required to re-add them in NAC Manager 3.1. In addition, you must reinstall the Assessment Agent on each of your assessment servers.

It is important that you plan the upgrade to NAC Manager 3.1 using the following recommended upgrade sequence:

1. Upgrade your NAC Gateway appliance software. You can download NAC appliance version 3.1 at <http://secure.enterasys.com/products/management/downloads/NetSight.html>.
2. Upgrade your NetSight Servers with the NetSight 3.1 software. Refer to your NetSight installation instructions for more information.
3. If you are utilizing assessment servers, upgrade your assessment agents. The assessment agents and installation instructions are located at <http://secure.enterasys.com/products/management/downloads/NetSight.html>.

Due to changes in assessment functionality in NAC Manager 3.1, the assessment servers you created in earlier versions of NAC Manager will be deleted during the upgrade to NetSight 3.1 software. You will need to re-add the assessment servers in NAC Manager 3.1.

4. Be sure to enforce to the gateway appliances (using NAC Manager) following these

upgrade operations. Enforcing writes your NAC Manager Security Domain information to the appliances.

Upgrading from NetSight Console 2.x

This section provides information for NetSight users who are upgrading from an earlier version of NetSight Console 2.x.

NOTE: NetSight 3.1 cannot coexist on a machine with an earlier version of NetSight Console 2.x or any other NetSight plugin application. When you install NetSight 3.1 over a previous installation, it will overwrite the earlier installations.

NetSight 3.0 updated the overall architecture of the client-server capabilities of the NetSight Suite of products. Here are some highlights of the enhancements that were made.

Single Installation

NetSight applications are installed in a single process -- there is no longer a requirement to install each application individually. Based on your product license, the appropriate NetSight applications and functionality will be enabled.

Java Web Start Client

Earlier versions of NetSight applications (prior to 3.0) required a separate client installation for each remote client. As of NetSight 3.0, you can now download a client directly from the NetSight Server without the need for a separate client install. A user can download a client by opening a web browser and accessing the NetSight Launch Page. From the Launch Page you simply click on the NetSight application that you want run. This also allows client upgrades to be done on a single location (the server) and the next time a user launches the client, they will be updated automatically. For complete instructions, see [Remote Client Launch](#).

Single Login

When you log into a NetSight application, any subsequent application you launch does not ask for your login credentials.

Suite-Wide Options Migration

When you upgrade from NetSight Console release 2.x to NetSight 3.1, the suite-wide option settings will be automatically migrated.

NetSight Installation - Windows

Use the following instructions to install NetSight on a Windows platform system where you have administrative rights.

Stop Other Services

If you will be using the NetSight version of SNMPtrap and/or TFTP service, you cannot be running another version of that service on your system. If you are running one of these non-NetSight services on your system, you must shut it down before installing NetSight, as follows:

1. Open the **Services** window on your system (**Control Panel > Administrative Tools > Services**).
2. Scroll down to find the service in the list.
3. Right click on the service and select **Stop** from the popup menu.
4. Right click on the service again and select **Properties** from the popup menu.
5. In the Properties window, set the **Startup Type** for the service to **Manual**.
6. Repeat for any other services, if necessary.
7. Close the Services windows and Control Panel.
8. Open the Task Manager and check to be sure that the process is not running.
9. Close the Task Manager.

Install and Launch NetSight

1. Download the NetSight software from the NetSight product web page at <http://www.enterasys.com/products/management/downloads/NetSight.html>. Or, if you are installing from a CD, insert the NetSight CD into your system's CD drive.
2. Navigate to `install.exe` and double-click it.
3. The NetSight Installer leads you through a series of windows that asks for all the information required in order to install NetSight. You will need the following information for the Installer Program:
 - **License Text** -- You must enter separate license text for each NetSight application that you purchased. You received the license text when you generated your NetSight product license. (When you purchased NetSight, you received a Licensed Product Entitlement ID for each NetSight application that you purchased. This Entitlement ID allows you to generate a product license. Refer to the instructions included with the Entitlement ID that was sent to you.) Only licensed applications will be enabled following the installation. If you choose not to enter the license text during the installation, you will be asked to enter it the first time you launch each individual NetSight application.
 - **Service Configuration** -- Enable and start the NetSight Services. (For more information on the services offered on the Windows platform, see [NetSight Services](#).)
 - **Destination Directory** -- This is the path to your NetSight Installation Directory. In the Destination Directory window, click **Choose** to navigate to the directory, or type the path in manually.

When you have finished with this series of windows, NetSight will be installed according to your specifications.

4. When the installation is complete, the database and server are started automatically. You must wait until the NetSight Server has started all its various server components

before you can connect to the server and launch the NetSight applications. On the installation screen, you will see an hourglass icon while the server starts its components. When the server is ready for connections, the installation screen will display a green check.

5. On the installation screen, click on the **Show Launch Page** link to open the NetSight Launch Page. (You can also use the desktop shortcut to open the NetSight Launch Page.)
6. The NetSight Launch Page opens. At the top of the web page you will see tabs for the following functions:
 - **Launch Page** - Launch your NetSight applications by clicking on the names or icons of any of the listed applications.
 - **Getting Started** - In order to launch your NetSight applications, you must have Java Run Environment (JRE) 1.5 or higher installed on your system. (Windows Vista requires JRE 1.6 or higher.) This page tells you if you have met this requirement and provides instructions for installing the Java Run Environment (JRE), if required.
 - **Administration** - Provides access to specific server administration functions such as client and server diagnostics, and server utilities.
7. Verify that you have met the JRE requirement by accessing the Getting Started tab, and install the JRE according to the instructions on the Install Java tab, if required.
8. Click on the Launch Page tab and launch the desired NetSight application by clicking the name or icon. The Java Web Start downloads the application and the application starts to launch.
9. A login window appears. NetSight requires a user login as a way to restrict access to the NetSight Server, perform audit trails, and assign user capabilities according to the Authorization Group the user belongs. It is important to note that when you log in, you are authenticating to the operating system of the NetSight Server system you are connecting to.
 - a. Select the NetSight Server you wish to connect to.
 - b. Enter your domain name\username.
 - c. Enter your password and click OK.

NOTE: The initial user to log in must be the user that performed the NetSight installation. This is because the NetSight Server has a single pre-defined user that is the user who performed the NetSight installation. On Windows, this is the domain\username of the person logged in to the Windows system when the installation was performed. Once the initial user has logged in, additional users can be defined.

10. The application main window opens.

NOTE: You can also launch a NetSight application from the **Start** menu by selecting **Programs > Enterasys Networks > NetSight > Clients**.

NetSight Installation - Linux



Use the following instructions to install NetSight on a Linux platform system. The user

performing the installation must be the root user.

NOTE: Prior to beginning installation, verify that your `/etc/hosts` file has the local host name specified. It should have an entry that looks like:

```
127.0.0.1 localhost
```

NOTE: You may encounter a Java exception during the install when becoming the root user with the `su -` command. Be sure that your system's root environment has a proper `DISPLAY` variable setting. The Installation program will report a Java exception (`InvocationTargetException`) if the `DISPLAY` variable is undefined.

If this occurs:

- Before using the `su -` command, set the system display variable to accept a remote display with the command:

```
/usr/openwin/bin/xhost +
```
- After using the `su -` command, set the display variable in the environment where the `su -` was done.

For C shell:

```
setenv DISPLAY :0.0
```

For Korn shell:

```
export DISPLAY=:0.0
```

Preparing for CD Installation

Perform the following steps if you will be installing the NetSight software from a CD. The following procedures assume that the CD drive from which you are installing is physically attached to the system where NetSight is being installed.

1. Insert the NetSight CD into the CD drive.
2. Use an xterm where you are logged in as root. (Be sure that your system's root environment has a proper `DISPLAY` variable setting. For more information see the above [note](#).)
3. Using the `cd` command, `cd` to the `/mnt/cdrom` directory.
4. Using the `ls` command, check to see if the CD drive is mounted. If no files are listed, issue the following commands:

```
mount /mnt/cdrom
```

Install and Launch NetSight

1. Use an xterm where you are logged in as root. (Be sure that your system's root environment has a proper DISPLAY variable setting. For more information see the above [note](#).)
2. **If you have downloaded the software:**
cd to the directory where you downloaded the installer and start the Installer with the command

```
sh ./suite_<version>_install.bin.
```

If you are installing from a CD:

Start the installer with the command

```
/mnt/cdrom/linux/suite_<version>_install.bin.
```

3. The NetSight Installer leads you through a series of windows that asks for all the information required in order to install NetSight. You will need the following information for the Installer Program:
 - **License Text** -- You must enter separate license text for each NetSight application that you purchased. You received the license text when you generated your NetSight product license. (When you purchased NetSight, you received a Licensed Product Entitlement ID for each NetSight application that you purchased. This Entitlement ID allows you to generate a product license. Refer to the instructions included with the Entitlement ID that was sent to you.) Only licensed applications will be enabled following the installation. If you choose not to enter the license text during the installation, you will be asked to enter it the first time you launch each individual NetSight application.
 - **Service Configuration** -- Enable and start the NetSight Services. (For more information on the services offered on the Linux platform, see [NetSight Services](#).)
 - **Destination Directory** -- This is the path to your NetSight Installation Directory. In the Destination Directory window, click **Choose** to navigate to the directory, or type the path in manually.

When you have finished with this series of windows, NetSight will be installed according to your specifications.

4. When the installation is complete, the database and server are started automatically. You must wait until the NetSight Server has started all its various server components before you can connect to the server and launch the NetSight applications. On the installation screen, you will see an hourglass icon while the server starts its components. When the server is ready for connections, the installation screen will display a green check.
5. On the installation screen, click on the **Show Launch Page** link to open the NetSight Launch Page.
6. The NetSight Launch Page opens. At the top of the web page you will see tabs for the following functions:
 - **Launch Page** - Launch your NetSight applications by clicking on the names or icons of any of the listed applications.
 - **Getting Started** - In order to launch your NetSight applications, you must have Java Run Environment (JRE) 1.5 or higher installed on your system. This page tells you if you have met this requirement and provides instructions for

installing the Java Run Environment (JRE), if required.

- **Administration** - Provides access to specific server administration functions such as client and server diagnostics, and server utilities.
7. Verify that you have met the JRE requirement by accessing the Getting Started tab, and install the JRE according to the instructions on the Install Java tab, if required.
 8. Click on the Launch Page tab and launch the desired NetSight application by clicking the name or icon. The Java Web Start downloads the application and the application starts to launch.
 9. A login window appears. NetSight requires a user login as a way to restrict access to the NetSight Server, perform audit trails, and assign user capabilities according to the Authorization Group the user belongs.
 - a. Select the NetSight Server you wish to connect to.
 - b. Enter your username.
 - c. Enter your password and click OK.

NOTE: The initial user to log in must be the user that performed the NetSight installation. This is because the NetSight Server has a single pre-defined user that is the user who performed the NetSight installation. On Linux this will almost always be root. Once the initial user has logged in, additional users can be defined.

10. The application main window opens.

NOTE: You can also launch a NetSight application by navigating to the <install directory>/Clients directory and selecting the NetSight application you want to launch.

Remote Client Launch



The NetSight Suite products are web applications that will install and run when accessed from the NetSight Launch Page. Remote NetSight clients can use the following steps to access the NetSight Launch Page and run NetSight applications from the remote client machine.

1. Open a browser window and enter the NetSight Launch page URL in the following format:

http://<servername>:8080/

where <servername> is the NetSight Server's IP address or hostname, and 8080 is the required port number. For example,

http://10.20.30.40:8080/

2. The NetSight Launch Page opens. At the top of the web page you will see tabs for the following functions:
 - **Launch Page** - Launch your NetSight applications by clicking on the names or icons of any of the listed applications.

- **Getting Started** - In order to launch your NetSight applications, you must have Java Run Environment (JRE) 1.5 or higher installed on your system. (Windows Vista requires JRE 1.6 or higher.) This page tells you if you have met this requirement and provides instructions for installing the Java Run Environment (JRE), if required.
 - **Administration** - Provides access to specific server administration functions such as client and server diagnostics, and server utilities.
3. Verify that you have met the JRE requirement by accessing the Getting Started tab, and install the JRE according to the instructions on the Install Java tab, if required.
 4. Click on the Launch Page tab and launch the desired NetSight application by clicking the name or icon. The Java Web Start downloads the application and the application starts to launch.
 5. A login window appears. NetSight requires a user login as a way to restrict access to the NetSight Server, perform audit trails, and assign user capabilities according to the Authorization Group the user belongs. It is important to note that when you log in, you are authenticating to the operating system of the NetSight Server system you are connecting to.
 - a. Select the NetSight Server you wish to connect to.
 - b. Enter your username if you are authenticating to a Linux platform server or enter your domain name\username if you are authenticating to a Windows platform server.
 - c. Enter your password and click OK.
 6. The application main window opens.

NOTE: User preferences and application data (such as FlexViews and MIBs) for remote clients are stored in the following local directory on the client machine: C:\Documents and Settings\\Application Data\NetSight.

Uninstalling NetSight

Use the procedures below to uninstall your NetSight Suite of products. The uninstall will remove all NetSight data from the database. Be sure to backup your database prior to uninstalling.

Uninstalling on Windows

From the **Start** menu, select **Programs > Enterasys Networks > NetSight > Uninstall**.

Uninstalling on Linux

Navigate to the <install directory>/uninstaller directory and start the Uninstaller by issuing the command:

```
./uninstall.sh
```

Global Support

By Phone: 978-684-1000
1-800-872-8440 (toll-free in U.S. and Canada)

For the Enterasys Networks Support toll-free number in your country:
<http://www.enterasys.com/services/support/contact/>

By Email: support@enterasys.com

By Web: <http://www.enterasys.com/services/support>

By Fax: 978-684-1499

By Mail: Enterasys Networks, Inc., 50 Minuteman Rd., Andover, MA 01810 (USA)

For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Enterasys Networks Support web site.



Related Information

For release information:

- [NetSight Release Notes](#)

