

NetSpective[™]

Content Filter

Installation Guide



NETSPECTIVE CONTENT FILTERING APPLIANCE

NETSPECTIVE SETUP

Thank you for choosing NetSpective as your Internet Content Filtering Solution. If you have any questions or need technical assistance with your NetSpective setup, please contact our helpdesk at 678-589-7120 or by email at netspectivesupport@telemate.net.

In order to perform the initial configuration of NetSpective, you will need:

- A monitor and PS/2 keyboard.
- Licensing data from TeleMate.Net Software (license key, licensing server, and licensing password). This information must be obtained by contacting registration services at 678-589-7140 or by email at registration@telemate.net.
- An Internet connection, allowing FTP downloads from public servers.

Because NetSpective is rack-mounted, you will need to perform the initial steps of your configuration in a place where you will have easy access to the back of the device. Therefore, we suggest that you move the device to a rack only after performing the initial configuration steps. Once you successfully perform the steps listed in this manual, you are ready to access the Web-based administrative interface over your network.

NETWORK STRATEGIES

There are two possible network deployment strategies: passive (also referred to as side-scan) and proxy configuration. Each is a licensable option.

Passive Configuration

The easiest method is to use a switch with mirroring or SPAN capabilities. These switches are usually the most economical and readily available. Most Cisco Catalyst series switches are compatible. If you would like to use a switch along with your NetSpective, you must configure the switch so that traffic bound for your gateway/firewall or proxy can be seen and intercepted by NetSpective.

Using a switch that automatically routes Internet traffic to the gateway/firewall or proxy server from the internal network, you will need to “mirror” the port that is being used for the internet traffic. The administrative network interface labeled “LAN A - Administrative NIC” should be connected to an available switch port and the mirrored port used for monitoring should be connected to the NetSpective interface labeled “LAN B - Monitoring NIC” as shown in Figure. 1.

Connecting the Monitoring NIC to the network is not required for licensing your NetSpective appliance. However, you will need to connect the Administrative NIC to your network for this purpose. You will not be able to access the Web-based administration interface without first licensing NetSpective.

Proxy Configuration

To properly control internet traffic in a proxy configuration both “LAN A - Administrative / Internal NIC” and “LAN B - External NIC” should be plugged into the upstream switch inside the firewall as shown in Figure 2.

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Figure 1: Passive Configuration

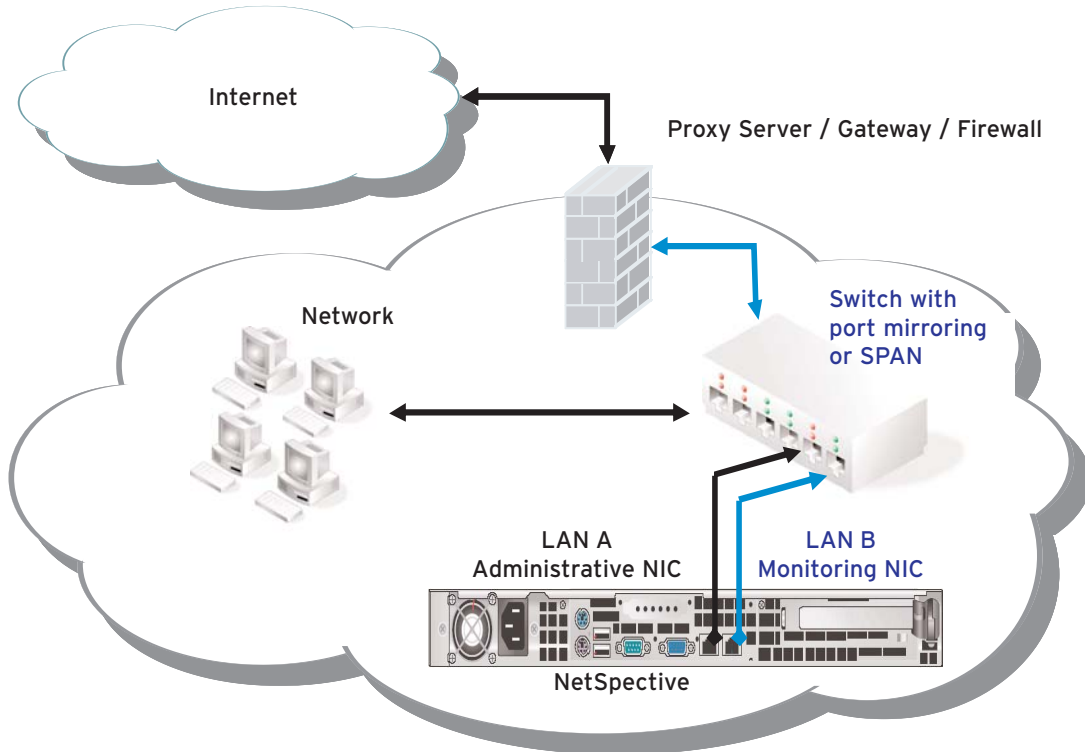
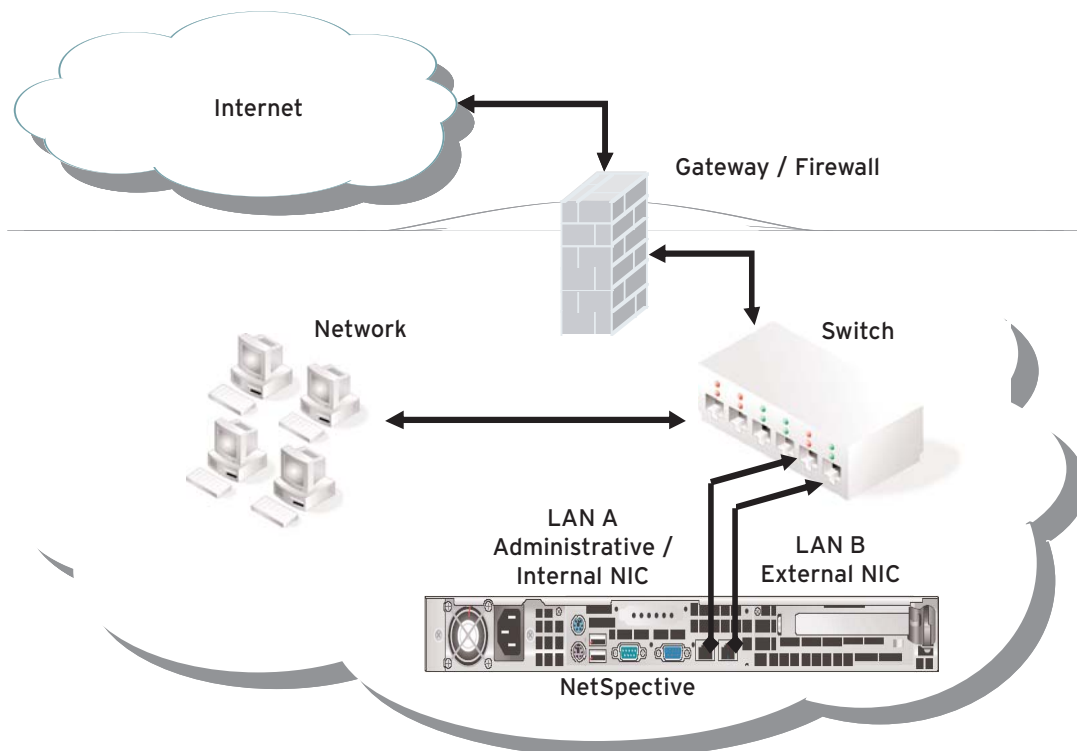


Figure 2: Proxy Configuration



DEVICE SETUP AND CONFIGURATION

1. Unpack NetSpective and connect the monitor to the video graphics adapter on the back plate of NetSpective.
2. Connect the keyboard to the PS/2 keyboard interface on the back plate. The keyboard connector is color-coded purple.
3. Connect the power cables of both NetSpective and the monitor and power them up. The power switch is located on the front of the device, behind the faceplate. To access the switch, simply open the faceplate using the latch on the front of the device. Additional information can be found in the 'NetSpective Hardware Installation Guide'.

After NetSpective boots up, a login prompt appears. Type 'admin' and press enter. When the device prompts you for a password, enter 'webfilter'. You will be able to change the password later from the Web-based administrative interface. When the login process is complete, you will see a text-based administrative console menu:

[[WebFilter :: Main Menu]]

- (1) Configure Networking
- (2) License Device
- (3) Network Diagnostics
- (4) Reset to Factory Default Settings
- (5) Reboot / Shutdown
- (0) Exit

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Configure Networking (required)

From the Main menu, type '1' and press enter to access the Configure Networking menu. Your current (default) network settings are displayed (see figure). Note that your network card link status is displayed for both the Monitoring NIC and the Administrative NIC.

[[WebFilter :: Network Configuration]]

Current Settings:

IP Address: 192.168.7.247

Net Mask: 255.255.240.0

Gateway: 192.168.2.8

Administrative NIC: UP

Monitoring NIC: UP

(1) Change Settings

(0) Exit

Enter Selection

Type '1' and press enter to change the settings:

1. Type in a new IP address for NetSpective; press enter to continue.
2. Type in the appropriate netmask of NetSpective; press enter to continue.
3. Type in the IP address of the network gateway; press enter to continue.
4. Finally, type 'Y' and press enter to accept the changes. Press enter to return to the menu. Review your settings and reconfigure, if necessary. If the settings are acceptable, type '0' and press enter to return to the Main menu.

After configuring your network settings, please be sure to use the Shutdown option before you move the device or power off (option #5 from the Main Menu, described in this document)

License Device (required)

To complete the licensing process you should have received the following licensing data from TeleMate.Net. If you do not have this information, please contact us at 678.589.7140 or by email at registration@telemate.net for assistance.

- NetSpective Licensing key and password
- IP address of a NetSpective Licensing Server

Note: For this step, please confirm that the Administrative NIC is connected to your network and is in the "up" link status mode.

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1. From the Main menu type '2' and press enter to access the Licensing Menu. Once there, type 1 and press enter to license your NetSpective.
2. Type in the name or IP address of the licensing server. Press enter to continue.
3. Type in the license key (20 characters plus dashes) and press enter. Please be sure to type all characters exactly as given to you by TeleMate.Net.
4. Type in the licensing password and press enter to continue.

NetSpective will now connect to the licensing server in order to activate your license. This will be followed by the startup of additional services on the system. Once this process is complete, press enter to return to the Licensing menu. Review your licensing information (licensing key, number of users, license level, and subscription start and end dates). Type '0' and press enter to return to the Main menu.

Network Diagnostics (optional)

If NetSpective licensing fails, please check your network settings (Main menu, 2), or test the connection to the licensing server using the Network Diagnostic menu (to be described next). If the problem persists, please contact NetSpective Support at 678-589-7120.

From the Main menu, type '3' and press enter to access the Network Diagnostics menu. This option should be used to diagnose any network connectivity issues. For further assistance, contact your system administrator. You may type '0' and press enter to return to the Main menu at any time.

1. To ping a host, type '1' and press enter. Type in the IP address of the host to ping and press enter. You should see at least 3 packets being sent. If ping fails, check your connections, firewall rules, or any NetSpective setting, which could prevent a successful ping. Once ping finishes, you will be taken to the Main menu.
2. To display the route to a host via traceroute, type '2' and press enter. Type in the IP address of the host to trace. If traceroute fails, check your connections, firewall rules, or any NetSpective setting, which could prevent a successful connection. If traceroute succeeds and you are still having problems, make sure to check your firewall to ensure you have FTP access to public servers. Once traceroute finishes, you will return to the Main menu.

Reset to Factory Defaults

On the Main menu, type 4 and press enter to access the Reconfiguration menu. Type '1' and press enter to reset NetSpective to its original configuration.

A prompt will ask for your confirmation before proceeding. To continue with the reset, type 'Y' and press enter.

Important Note: If you reset the device, you will lose all of your configuration settings, including the blocking policies configured via the web browser interface.

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Reboot/Shutdown

From the Main menu, type '5' and press enter to access the Reboot/Shutdown option.

1. To reboot, type '1' and press enter. At the confirmation prompt, type 'Y' and press enter to reboot.
2. To shutdown, type '2' and press enter. At the confirmation prompt, type 'Y' and press enter to shut down your NetSpective.

WEB-BASED ADMINISTRATION

Now that you've successfully configured and licensed your NetSpective appliance, you can access the Web-based Administration interface. From any Web browser on your network, type in the IP address you assigned from the Network Configuration step in your Web browser's Address bar. For example, if you assigned 192.168.2.247 as the IP address for NetSpective, you would type <http://192.168.2.247> in your Web browser's address bar. A dialog box will appear prompting you to enter your user name and password. The default user name is [admin](#) and the default password is [webfilter](#). You can change the default administrative password from the 'Managers' tab in the NetSpective Web interface.



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