

# smoothwall®

The Web You Want

## **Secure Web Gateway**

### **Network Guardian Upgrade Guide**

**For future reference**

Network Guardian serial number:

Date installed:

Smoothwall contact:

## Smoothwall® Network Guardian, Upgrade Guide, August 2014

Smoothwall publishes this guide in its present form without any guarantees. This guide replaces any other guides delivered with earlier versions of Network Guardian.

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Network Guardian contains graphics taken from the Open Icon Library project <http://openiconlibrary.sourceforge.net/>

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# About This Guide

Network Guardian is a licenced feature of your Smoothwall System.

This manual provides guidance for upgrading Network Guardian.

## Audience and Scope

This guide is aimed at system administrators maintaining and deploying Network Guardian.

This guide assumes the following prerequisite knowledge:

- An overall understanding of the functionality of the Smoothwall System
- An overall understanding of networking concepts

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**Note:** We strongly recommend that everyone working with Smoothwall products attend Smoothwall training. For information on our current training courses, contact your Smoothwall representative.

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## Organization and Use

This guide is made up of the following chapters and appendices:

- *Chapter 1, Upgrading to Network Guardian* on page 3
- *Chapter 2, Accessing Network Guardian* on page 11

# Conventions

The following typographical conventions are used in this guide:

Item	Convention	Example
Key product terms	Initial Capitals	Network Guardian
Cross-references and references to other guides	Italics	See <i>Chapter 1, Upgrading to Network Guardian</i> on page 3
Filenames and paths	Courier	The <code>portal.xml</code> file
Variables that users replace	<i>Courier Italics</i>	<code>http://&lt;my_ip&gt;/portal</code>

This guide is written in such a way as to be printed on both sides of the paper.

## Related Documentation

The following guides provide additional information relating to Network Guardian:

- *Network Guardian Installation Guide*, which describes how to install Network Guardian
- *Network Guardian Administration Guide*, which describes how to configure Network Guardian
- *Network Guardian Operations Guide*, which describes how to use Network Guardian
- *Network Guardian User Portal Guide*, which describes how to use the Network Guardian user portal
- <http://www.smoothwall.net/> contains the Smoothwall support portal, knowledge base and the latest product manuals.

# 1 Upgrading to Network Guardian

In this chapter:

- How to upgrade from an earlier, compatible version of a Smoothwall System product to Network Guardian.

## Warning!

Network Guardian's upgrade program **ERASES ALL DATA** on the hard disk or storage volume it detects. This includes any inserted USB storage device. Smoothwall cannot be held responsible for any loss of data.

Do not interrupt the upgrade process. If you cancel after confirming you want to upgrade, your previous settings will be lost.

## Messages and Conventions

Network Guardian's upgrade and initial setup programs use a text-based interface that is compatible with all types of graphic card.

The following keyboard controls are used to interact with the programs:

Key	Explanation
<b>Arrows</b>	Move the cursor/focus/highlight between options.
<b>Tab</b>	Advances the focus to the next screen object.
<b>Space</b>	Clicks a button if it has the focus.
<b>Enter or Return</b>	Clicks a button if it has the focus. Will click the <b>Ok</b> button if the focus is not currently on a button.

The following on-screen buttons are used throughout the installation and setup process:

Button	Explanation
<b>Cancel</b>	Exits the current program without saving or activating any changes. If the Setup program is being run as part of the first-time setup process, the Cancel button will exit the setup program and require the upgrade process to be restarted.
<b>Done</b>	Indicates that configuration of the current feature is complete. Changes will be saved and activated and control will return to the menu or upgrade procedure.
<b>Finished</b>	Exits once all configuration changes have been completed in the Setup program.
<b>Ok</b>	Confirms the selection of the highlighted option, acknowledges a message or proceeds to the next screen.

## Running Network Guardian's Quick Upgrade

**Note:** Before you start, we strongly recommend that you archive your current Network Guardian settings, see your *Network Guardian Administration Guide* for full information.

Network Guardian's quick upgrade automatically checks the computer and its hardware components and upgrades your Smoothwall System accordingly.

### To upgrade to Network Guardian:

1. Insert the Network Guardian installation CD into the CD-ROM drive and reboot the computer. The following screen is displayed:

```

smoothwall® Network Guardian

[ F1: intro ] [ F2: license ] [ F3: modules ] [ F4: support ]

WELCOME to Smoothwall Network Guardian 2008 SP5 [08:32:26-2011/08/04]
Thank you for purchasing Network Guardian - the complete web content
security solution.

*****
* WARNING : ALL EXISTING DATA WILL BE ERASED FROM THIS SYSTEM'S HARD DISK *
*****

This software is subject to a proprietary license; press [F2] to view a summary
of this license. See LICENSE.html on the installation media for the complete
license text. All other software is subject to Open Source licenses, including
the GNU General Public License. This product and associated modules are not
activated when shipped. Internet access for automatic registration with the
Smoothwall Registration Server is required for product activation.

PRESS the [F2] key to view the license summary and continue.

boot: _

```

2. Press **Enter**. The following screen is displayed:

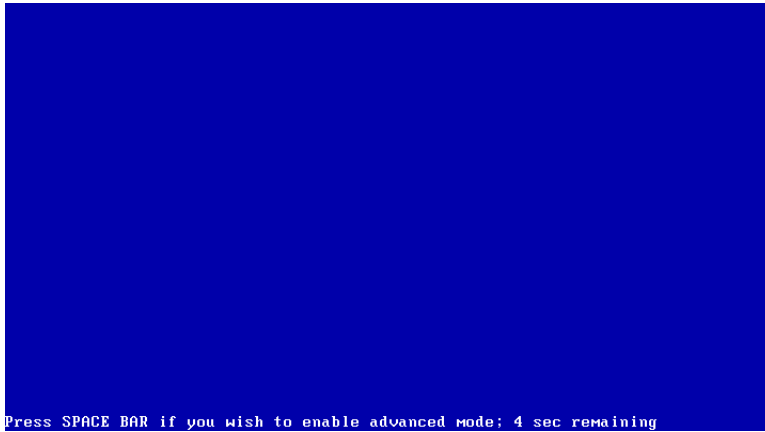
```

Smoothwall
Initialising drivers...

```



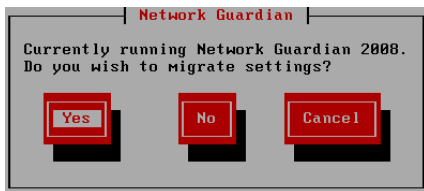
3. When the installation program has initialized the drivers, the following screen is displayed:



4. Wait 5 seconds for the following screen to be displayed:



5. Press Enter to continue. You are prompted to confirm that you want to upgrade, for example:



6. Select **Yes** and press Enter. The upgrade program saves your current settings and displays the following screen:



---

**Note:** Installing Network Guardian will **ERASE ALL DATA** from the computer's hard disk, storage device or any inserted USB storage device. Ensure that all valuable data is safely backed up before you continue.

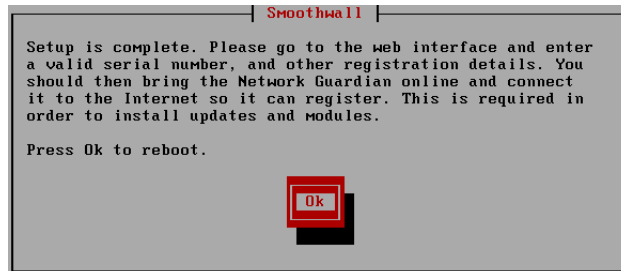
This screen is the last opportunity you have to cancel the installation before data is erased. Smoothwall cannot be held responsible for any loss of data.

---

- Press Enter to continue. Network Guardian files are installed. When complete, the Congratulations! screen is displayed:



- Select **Ok** and press Enter. The following screen is displayed:



- Select **Ok** and press Enter to reboot the computer.

After rebooting, you can access Network Guardian from a network client running a web browser. For more information, see *Chapter 2, Accessing Network Guardian* on page 11.

## Running Network Guardian's Advanced Upgrade

Network Guardian's advanced upgrade enables you to install and remove Network Guardian modules to suit your environment.

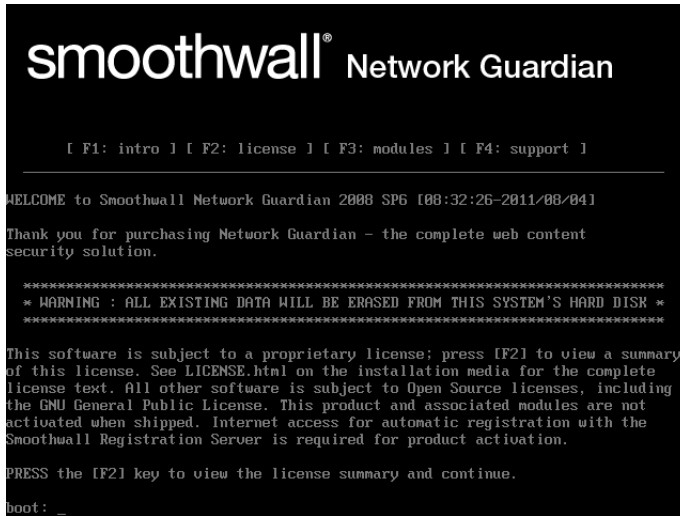
---

**Note:** Before you start, we strongly recommend that you archive your current Network Guardian settings, see your *Network Guardian Administration Guide* for full information.

---

**To upgrade to Network Guardian:**

1. Insert the Network Guardian installation CD into the CD-ROM drive and reboot the computer. The following screen is displayed:



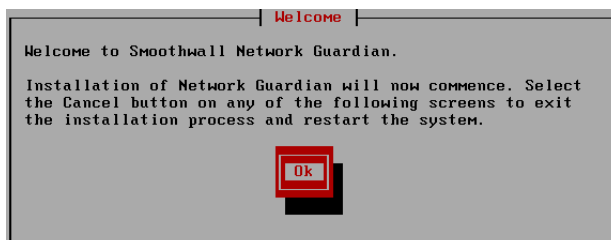
2. Press **Enter**. The following screen is displayed:



3. When the installation program has initialized the drivers, the following screen is displayed:



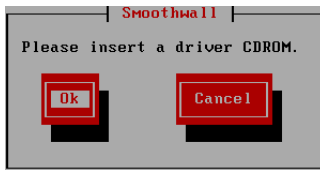
4. Press the space bar to access Network Guardian's advanced install. The following screen is displayed:



5. Press **Enter** to continue. The following screen is displayed:



6. If you are installing Network Guardian on a computer which requires non-standard drivers, this is where you install them. If you are not installing drivers, select **Done**, press Enter and go to *step 11*.
7. Select the medium on which the drivers are stored, select **Ok** and press Enter. You are prompted to insert the medium, for example:



8. Insert the medium into the appropriate drive and press Enter. The installation program loads the drivers and the following screen is displayed:



9. Press Enter. The following screen is displayed:



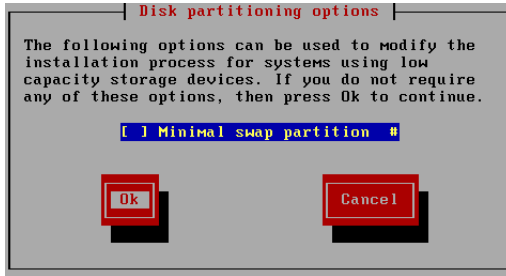
10. Repeat *step 7*. to *step 9*. above if you need to install more drivers. To continue, select **Done** and press Enter. The following screen is displayed:



11. When the drivers have been initialized again, you are prompted to confirm that you want to upgrade, for example:



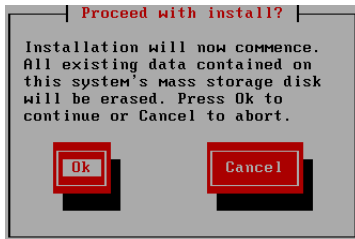
- Select **Yes** and press Enter. The upgrade program saves your current settings and displays the disk partitioning options screen:



- Here you can configure partition options.

Option	Description
<b>Minimal swap partition</b>	Select this option to reduce swap partition requirements.

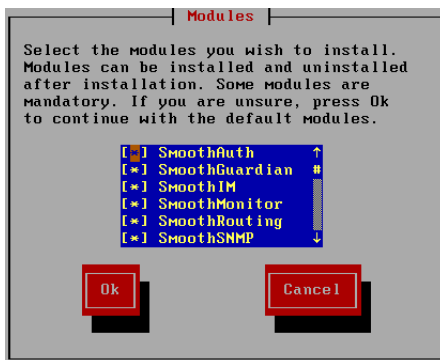
- Select **Ok** to continue. The following screen is displayed:



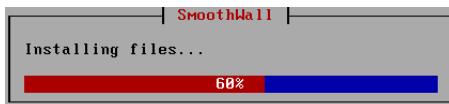
**Note:** Installing Network Guardian will **ERASE ALL DATA** from the computer's hard disk, storage device or any inserted USB storage device. Ensure that all valuable data is safely backed up before you continue.

This screen is the last opportunity you have to cancel the installation process before data is erased from the hard disk/storage device. Smoothwall cannot be held responsible for any loss of data.

- Select **Ok** to continue. The installation program prepares the computer and installs Network Guardian. The Modules screen is displayed.



- Select the modules you want to install, select **Ok** and press Enter to continue. Installation progress is displayed, for example:



Once complete, the Congratulations! screen is displayed:



17. Select **Ok** and press Enter. The following screen is displayed:



18. Select **Ok** and press Enter to reboot the computer.

After rebooting, you can access Network Guardian from a network client running a web browser. For more information, see *Chapter 2, Accessing Network Guardian* on page 11.

# 2 Accessing Network Guardian

In this chapter:

- How to access Network Guardian
- Registering Network Guardian
- Getting the latest blocklists
- Checking for updates.

## Accessing Network Guardian

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**Note:** The examples in the following sections are illustrated using Mozilla Firefox. You can access and administer Network Guardian using the browser of your choice.

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### To access Network Guardian for the first time:

1. In the browser of your choice, enter the address of your Network Guardian, for example:  
`https://10.0.0.3:441`

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**Note:** The example address above uses HTTPS to ensure secure communication with your Network Guardian. It is possible to use HTTP on port 81 if you are satisfied with less security.

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2. Accept Network Guardian's certificate. The login screen is displayed.
3. Enter the following information:

Field	Information
<b>Username</b>	Enter <code>admin</code> . This is the name of the default Network Guardian administrator account.
<b>Password</b>	Enter the admin password.

4. Click **Login**.

The following page opens:

The screenshot shows the Network Guardian web interface. At the top left is the Smoothwall logo with the tagline "The Web You Want". To the right are "Help" and "Logout" buttons. A left-hand navigation menu includes: Search Menu, Dashboard, Logs and reports, Networking, Services, System, Guardian, and Web proxy. A blue warning banner at the top reads: "Warning - Your blocklist is out of date. Check System » Maintenance » Licenses for information on your current blocklist status and subscription." Below this is the "Network Guardian" title. The main content area is titled "Registration information" and contains the following fields:

- Serial number:
- Name:
- Organization:
- Department:
- Locality or town:
- State:
- Country:
- Email:

A "Save" button is located at the bottom of the form.

5. Enter the following information:

Information	Enter:
<b>Serial number</b>	The serial number you received with your copy of Network Guardian. Serial numbers are not case sensitive and can be entered with or without spaces. If you do not have a serial number, contact your Smoothwall representative or, visit <a href="http://www.smoothwall.net/">http://www.smoothwall.net/</a> for more information.
<b>Name</b>	The name of the administrative contact person for Network Guardian.
<b>Organization</b>	The name of the organization in which Network Guardian will reside.
<b>Department</b>	The name of the department in which Network Guardian will reside.
<b>Locality or town</b>	Location information for Network Guardian.
<b>State</b>	Regional location information for Network Guardian.
<b>Country</b>	The country in which Network Guardian will reside
<b>Email</b>	The email address of the administrative contact for Network Guardian. This should be a valid and actively used email account.

6. Click **Save**. When prompted, review the information you have supplied and then click **Confirm**.



The Dashboard opens.

The screenshot shows the Smoothwall Network Guardian dashboard. At the top left is the Smoothwall logo with the tagline "The Web You Want". To the right are "Help" and "Logout" buttons. A search menu is located in the top left of the main content area. The dashboard is divided into several sections:

- Warning:** A yellow warning icon and text stating: "Warning - Your blocklist is out of date. Check [System](#) » [Maintenance](#) » [Licenses](#) for information on your current blocklist status and subscription."
- System:** A section titled "System services" containing:
  - Core services:** Authentication service, SystemD, Central monitor, Traffic statistics logger, Cron server, Web server, and Logging server. All are marked with green checkmarks.
  - Optional services:** Anti-spam engine, Message censor, POP3 proxy, Secure shell server, Web content filter, Database server, MobileProxy server, Routing server, UPS monitor, Web proxy, FTP proxy, Monitor alerts, VIPRE anti-malware engine, IM proxy, Network Time Service, SNMP agent, and VMware guest supporting server. Most are marked with grey circles, indicating they are not active.
- Resource usage:** A section showing system metrics: Load average: 0.13, Processors: 1, RAM: 274,504K / 3,082,664K, and Swap: 0K / 2,956,284K.
- Disk usage:** A section showing disk usage for System (971M) and Logs (2.5G).
- Monitor:** A section titled "Recent alerts" showing "No alerts found".
- Web filter:** A section at the bottom of the dashboard.

The dashboard is Network Guardian's default home page.

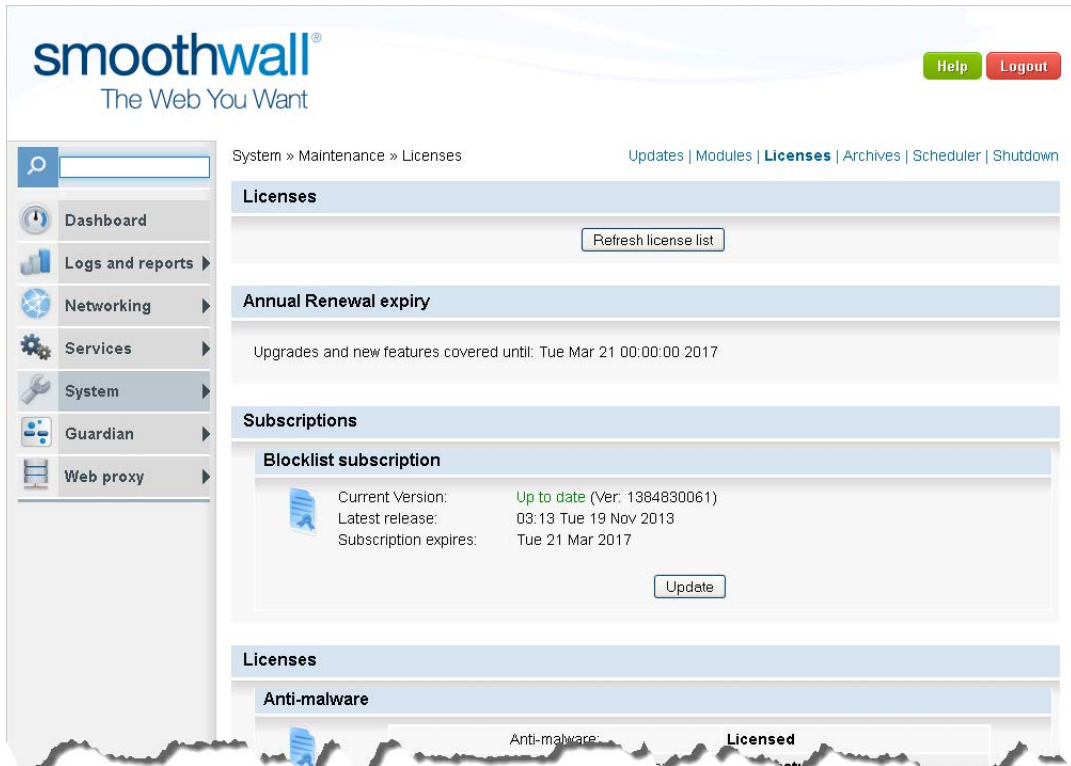
**Note:** What is working and displayed here depends on what settings were configured in the system you are upgrading from.

## Getting the Latest Blocklists

A blocklist is a group of settings which is updated on a regular basis by Smoothwall to maintain Network Guardian's list of undesirable, inappropriate or objectionable content.

**To get the latest blacklist:**

1. Browse to the **System > Maintenance > Licenses** page:



The screenshot displays the Smoothwall Network Guardian web interface. The top header features the Smoothwall logo and the tagline "The Web You Want". On the right, there are "Help" and "Logout" buttons. The main navigation menu on the left includes: Dashboard, Logs and reports, Networking, Services, System, Guardian, and Web proxy. The breadcrumb trail indicates the current location: System » Maintenance » Licenses. The page content is organized into several sections:

- Licenses:** A section with a "Refresh license list" button.
- Annual Renewal expiry:** A section stating "Upgrades and new features covered until: Tue Mar 21 00:00:00 2017".
- Subscriptions:** A section containing a "Blocklist subscription" card. The card displays:
  - Current Version: Up to date (Ver: 1384830061)
  - Latest release: 03:13 Tue 19 Nov 2013
  - Subscription expires: Tue 21 Mar 2017An "Update" button is located at the bottom of this card.
- Licenses:** A section with a sub-section for "Anti-malware" which is marked as "Licensed".

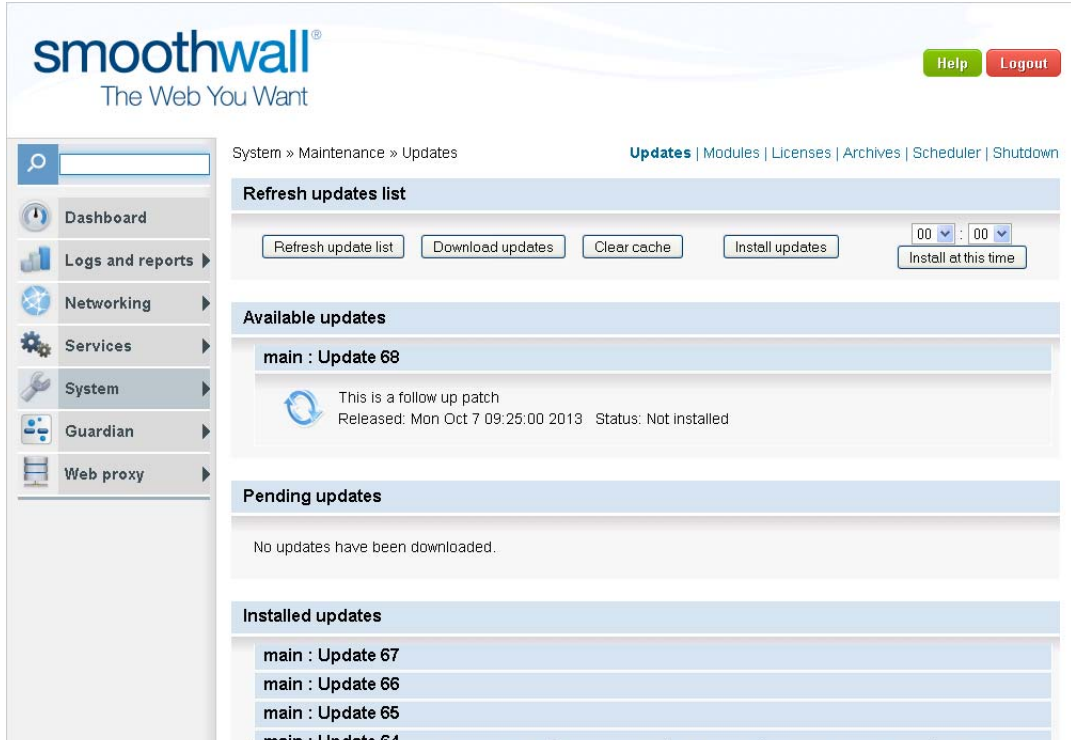
2. In the Blocklist subscription area, click **Update**. Network Guardian downloads and installs the latest blacklists.

# Installing Updates

You should ensure that Network Guardian has the latest updates installed.

## To check for and install updates:

1. Navigate to the **System > Maintenance > Updates** page:



2. Click **Refresh update list**. The Available updates area displays any updates available.
3. Click **Download updates** to get the updates and then click **Install updates**. The updates are installed.

# Managing the Auth Password

To maintain a high level of security, you must re-enter Network Guardian's authentication service password when using an LDAP server for user authentication.

## To re-enter the password:

1. Navigate to the **Services > Authentication > Settings** page
2. From the **LDAP server type** drop-down list, select the server type you are using and click **Update** to refresh the settings and information displayed.
3. Configure the following settings:

Setting	Explanation
<b>Server password</b>	Enter the password for your LDAP server
<b>Again</b>	Re-enter the password to confirm it.

4. Click **Save**.

5. On the **Services > Authentication > Control** page, click **Restart** to restart the service.

For full information on working with Network Guardian, see the *Network Guardian Administration Guide*.



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