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GFI LANguard 9

# Getting Started Guide

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# 1 Introduction

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## 1.1 About this manual

The scope of this 'Getting started guide' is to help you install and run GFI LANguard on your network with minimum effort. It:

- Guides you through the respective installation procedure,
- Walks you through the key steps needed to get the product running on default settings.

### Manual structure

This manual is designed to guide you through the sequence of steps needed to:

- Identify product prerequisites applicable to your network
- Prepare your environment for product installation
- Install/Upgrade GFI LANguard
- Configure, test, and run the product

### Administration and customization

Detailed administration and customization guidelines are provided in a separate manual called 'GFI LANguard administration and customization manual' that is installed with the product or separately downloadable from the GFI website. This administration and customization manual complements this getting started guide by providing more detailed information on how to use and customize the features provided in GFI LANguard (e.g. tweaking of scanning profiles).

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## 1.2 Licensing

Information on licensing is available on:

<http://www.gfi.com/products/gfi-LANguard/pricing/licensing>

# 2 Installing GFI LANguard 9

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## 2.1 Introduction

GFI LANguard 9 can be installed on any computer on your network that has network access to the scan targets. It enables you to scan a wide range of computer and servers running a wide range of operating systems such as Microsoft Windows, UNIX, Linux, and MAC OS.

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## 2.2 System requirements

### 2.2.1 Software

#### Supported operating systems

- Microsoft Windows 7 RC
- Microsoft Windows Server 2008 R2 Standard/Enterprise (x86 or x64)
- Microsoft Small Business Server 2008 Standard (x86 or x64)
- Microsoft Windows Vista Business/Enterprise/Ultimate (x86 or x64)
- Microsoft Windows Server 2003 Standard/Enterprise (x86 or x64)
- Microsoft Small Business Server 2003
- Microsoft Windows XP Professional SP2 or higher (x86 or x64)
- Microsoft Windows 2000 Professional/Server/Advanced Server (SP4 or higher)
- Microsoft Small Business Server 2000 (SP2) / 2003 (SP1)

#### Supported databases

- Microsoft Access
- Microsoft SQL Server 2000 or later, MSDE/SQL Server Express Edition

#### Other server components

The following components are required to be installed on the server where GFI LANguard is installed:

- Microsoft .NET Framework 2.0
- Internet Explorer 5.1 or higher
- Client for Microsoft Network component – included by default in Microsoft Windows 95 and later.

## Target computer components

The following components are required to be installed on target computers for GFI LANguard to be able to scan them:

- Secure Shell (SSH) – Required for UNIX based scan targets. Commonly included as part of all major Unix/Linux distributions.
- SAMBA (SMB) server – Required for UNIX-based scanning targets. Commonly included as part of all major Unix/Linux distributions.
- Windows Management Instrumentation (WMI) – Required to scan Windows-based scan targets. Included in all Windows 2000 or newer operating systems.

### 2.2.2 System requirements: Hardware

Hardware requirements depend on network size. Refer to Table 1 below for the minimum specifications according to your network size.

	1 to 10 scan targets	10 to 500 scan targets	500 to 1500 scan targets
Processor	1 GHz	2 GHz	2 X 3 GHz Quad Core
Physical Storage	500 MB	2 GB	10 GB
Memory	512 MB	2 GB	4 GB
Network bandwidth usage	256 KBps	256 KBps to 550 KBps	256 KBps to 550 KBps

Table 1 - GFI LANguard hardware requirements

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## 2.3 Installing GFI LANguard

### 2.3.1 Upgrade from earlier versions

If you are currently using a previous version of GFI LANguard (versions 7 or 8), you can upgrade your current installation while at the same time retain all your existing custom scan profiles, scheduled scan details, mail server settings and the scan results database.

#### Important notes

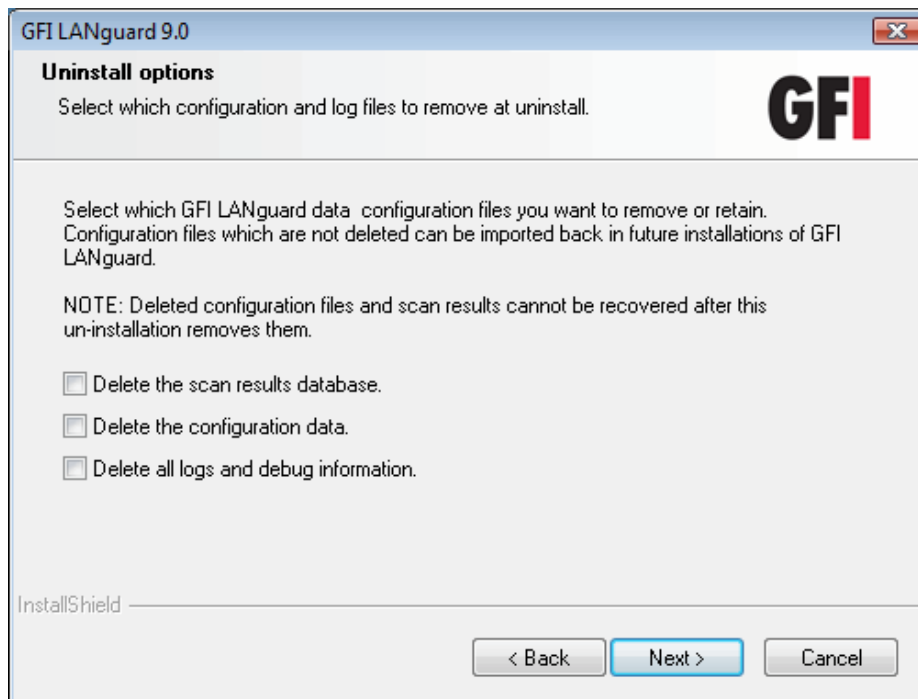
Upgrades cannot be undone i.e. you cannot downgrade to an earlier version once you have installed the latest version.

On upgrading an existing installation, licensing reverts to trial version and a new fully purchased license key for the GFI LANguard 9 is required. For more information on new license keys, refer to: <http://customers.gfi.com>

You cannot change the installation path during GFI LANguard upgrades.

#### Upgrade procedure

1. Launch GFI LANguard installation (**LANguard9.exe**) on the machine where your earlier version of GFI LANguard is installed. Click **Next** to proceed with upgrade.



Screenshot 1 – Select the configuration and log files to remove during upgrades.

2. Select the configuration data files to remove during upgrades and click **Next**.

**NOTE:** Not selecting any options retains any existing configuration data.

3. Click **Yes** to start the upgrade process and follow on screen instructions. For assistance refer to New Installations section below.

### 2.3.2 New installations

#### Pre-install actions

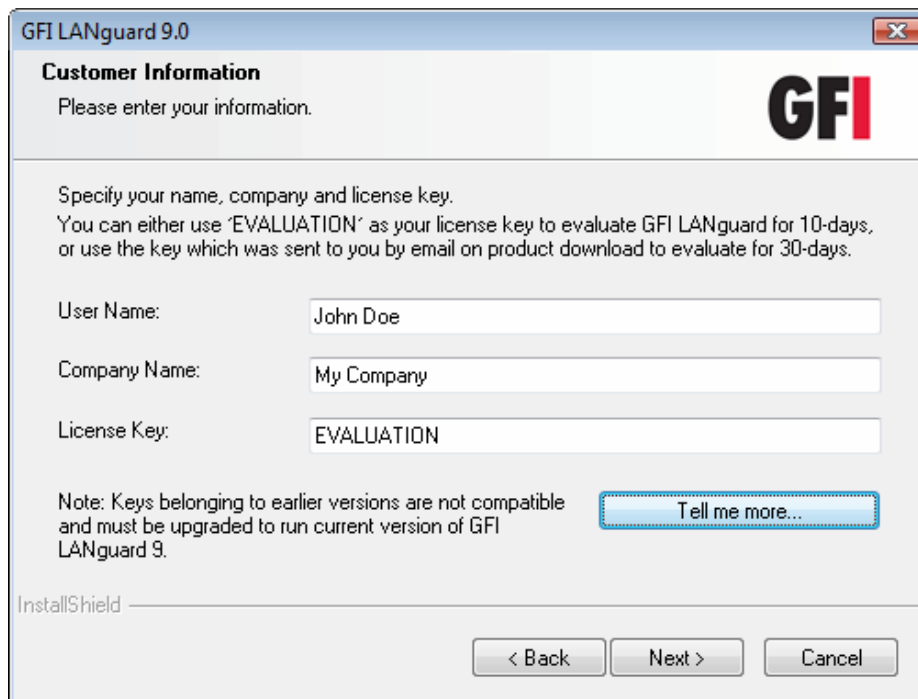
1. Before starting installation, close any running Windows applications.

#### Installation procedure

1. Logon the machine where GFI LANguard will be installed using administrator credentials.

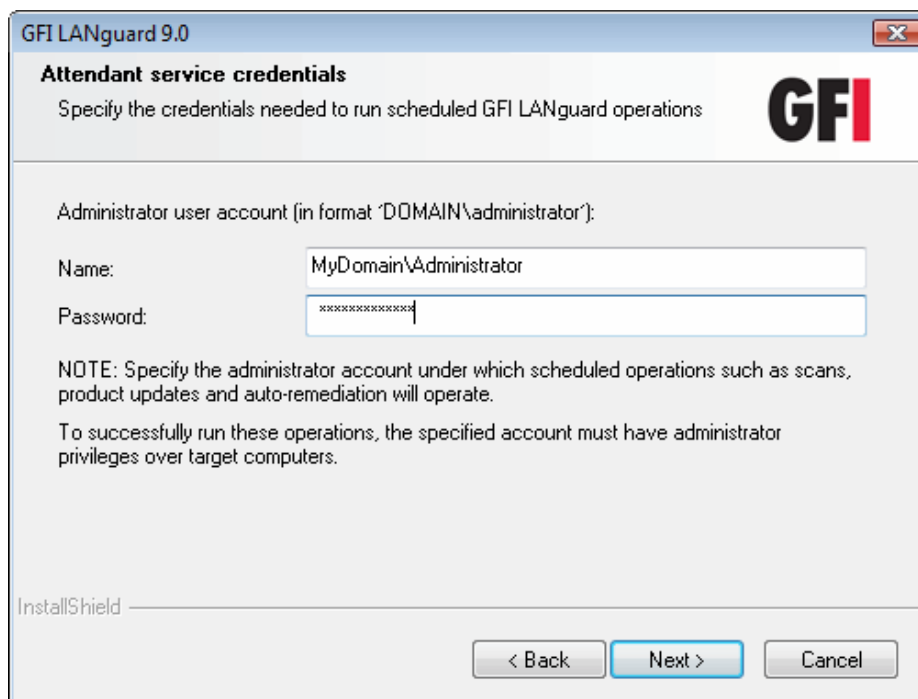
2. Double click **LANguard9.exe** (x32 or x64 install). Click **Next** to continue setup.

3. Read licensing agreement. To proceed with the installation select **I accept the license agreement** and click **Next**.



Screenshot 2 – Specify user details

4. Specify user details and enter license key. Click **Next** to continue.



Screenshot 3 – Installation: Attendant service credentials

5. Key in the administrator credentials and password to be used by the service under which scheduled operations will operate. Click **Next** to continue setup.

**NOTE:** If the credentials submitted are not valid, a message will be displayed giving the user the ability to skip or re-submit the verification.

6. Click **Next** to install in the default location or click **Browse** to change path.

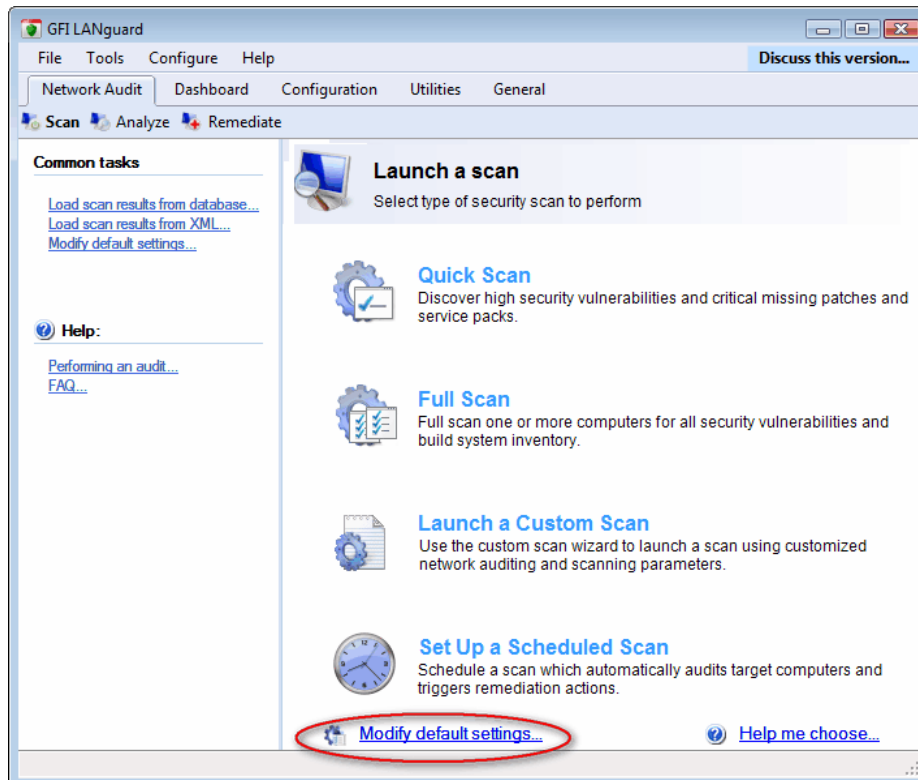
7. Click **Finish** to finalize installation.

### 2.3.3 Post install actions

#### Modify default settings

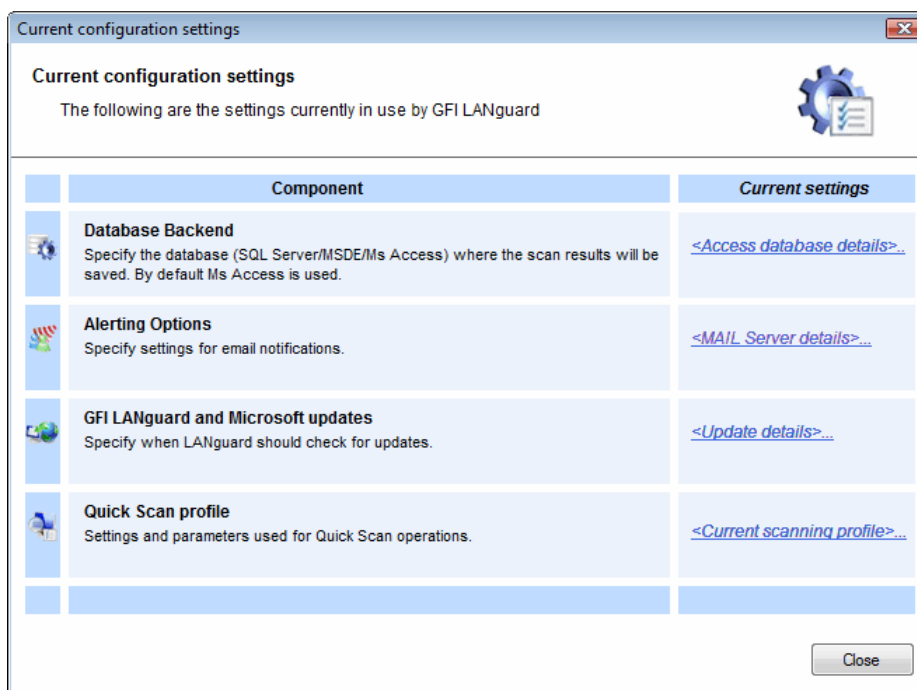
Notwithstanding the fact that GFI LANguard is specifically designed to be usable right after installing, the first thing to do after installation is to review the default settings and amend them according to your needs and requirements.

1. Launch the GFI LANguard management console from **Start ► Programs ► GFI LANguard 9.0 ► LANguard**.



Screenshot 4 - Modify default settings

2. From the **Network Audit** tab, select **Scan** tab and click on **Modify default settings**.



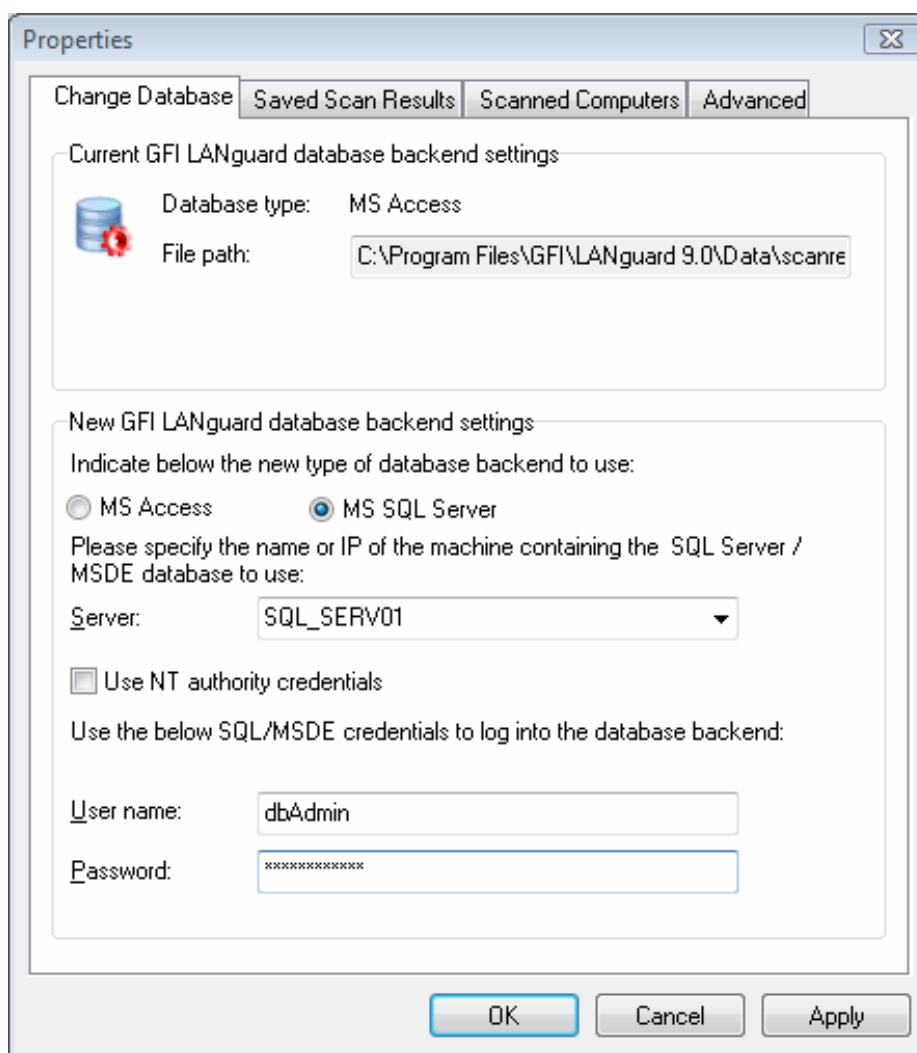
Screenshot 5 - Current configuration settings dialog

3. From the current configuration settings dialog displayed, select any of the following options to modify default settings.

#### Database backend

By default, GFI LANguard uses a Microsoft Access based database back end. It is highly recommended that you change the backend database to a Microsoft SQL/MSDE/SQL Express database backend as soon as you install GFI LANguard. This enables you to avail yourself of the better performance and scalability that these database systems offer. To change your database:

1. Select **Access database details** option.



Screenshot 6 – Change database backend.

2. Select:

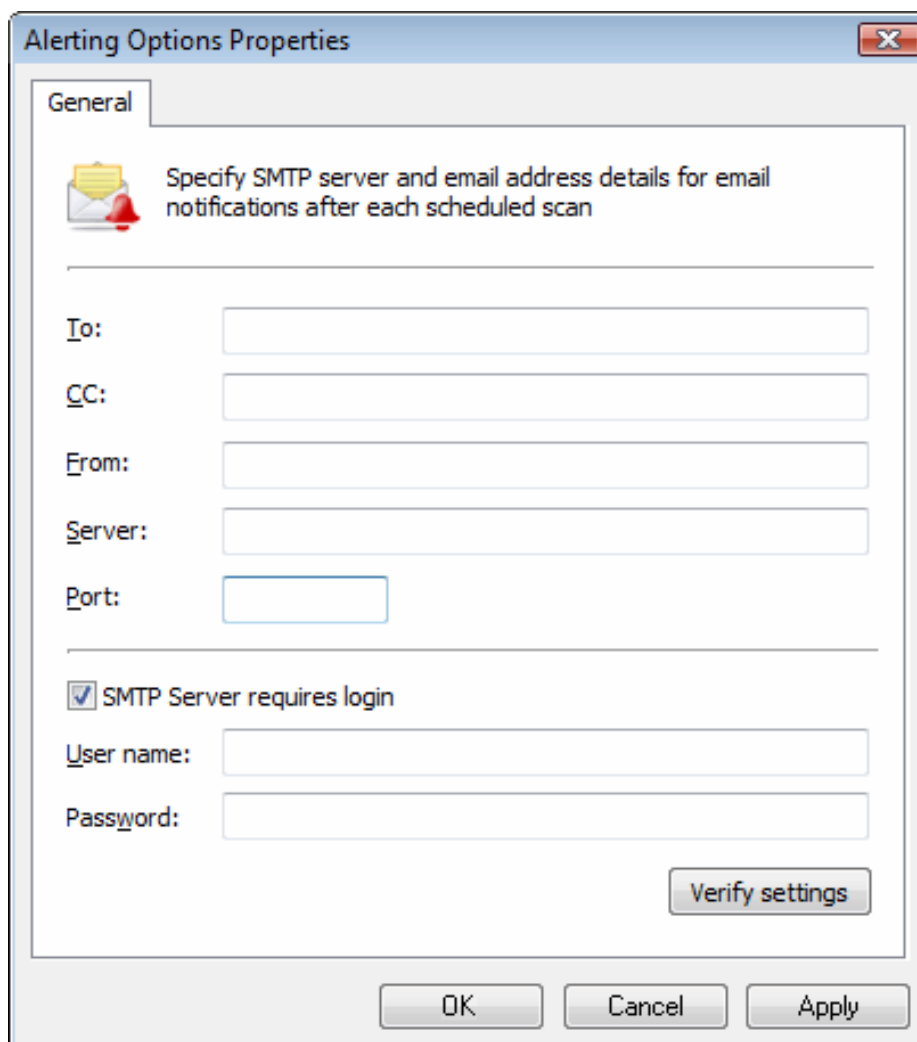
- **MS SQL Server option** and provide name or IP address of the SQL/MSDE database and the required credentials to use a Microsoft SQL server database.
- **MS Access** and provide the folder where the database is located to use an MS Access database.

3. Click **Apply** and **OK** to save settings.

### Alerting options

Alerting options enable you to receive mail notifications after each scheduled scan informing you of the success/failure of such scan. Configure alerting to ensure you keep up to date with GFI LANguard automated scanning.

1. Select **Mail Server details** option.



Screenshot 7 - Alerting options dialog

2. In the alerting options dialog, key in all the values required by GFI LANguard to be able to send emails. Click **Verify Settings** to confirm the validity of the settings keyed in.
3. Click **OK** to save settings.

### **GFI LANguard and Microsoft updates**

After having configured the GFI LANguard database backend and the Alerting options, next configure the GFI LANguard and Microsoft updates schedule. By default LANguard is configured to download updates everyday at 3:00pm. To customize GFI LANguard updates one can;

1. Enable/Disable Updates by check /un-check the **Enable scheduled update**.
2. Customize the update schedule by modifying the **Resource pattern**.
3. Download updates from GFI Web site or enter an alternative location.

### **Test your installation**

Once GFI LANguard is installed, start using GFI LANguard on your installation and remediate any vulnerability on your network. To test your installation:

1. Launch the GFI LANguard management console from **Start ► Programs ► GFI LANguard 9.0 ► LANguard**.
2. Click on **Quick Scan**.
3. Select **Scan this computer** and click **Next**.
4. Select **Currently logged on user** and click **Scan**.

**Scan completed!**  
Summary of scan results generated during this network audit.

**Scan Properties**

Scan type:	Local computer scan
Profile:	High Security Vulnerabilities
Duration:	5 minutes, 22 seconds
Computers audited:	1

**Results**

Audit operations:	899 audit operations processed
Network vulnerability level:	High
Missing security updates:	37 (37 Critical/High)
Other vulnerabilities:	n/a
Installed security updates:	3
Installed applications:	n/a
Open ports:	n/a

**Next Steps**

- Analyze scan results**  
Analyze detailed scan results using tools such as scan results filters
- Remediate vulnerabilities**  
Trigger remediation actions such as uninstall of unauthorized applications
- Start a new scan**  
Start another scan
- Change default settings**  
Customize your current GFI LANguard settings

Screenshot 8 - Scan completed successfully

5. Ensure that the scan completes successfully.

### 2.3.4 GFI LANguard customization

At this stage, your GFI LANguard installation is set up. Refer to the 'GFI LANguard administration and configuration manual' for more details on how to further customize and use GFI LANguard.

# 3 Troubleshooting and support

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## 3.1 Introduction

This chapter explains how to resolve any GFI LANguard issues encountered during installation. The main sources of information available to solve these issues are:

- This manual – most issues can be solved through the information in this manual section.
- GFI Knowledge Base articles
- Web forums
- Contacting GFI Technical Support

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## 3.2 Knowledge Base

GFI maintains a comprehensive Knowledge Base repository, which includes answers to the most common installation problems. In case that the information in this manual does not solve your installation problems, next refer to the Knowledge Base. The Knowledge Base always has the most up-to-date listing of technical support questions and patches. Access the Knowledge Base by visiting:

<http://kbase.gfi.com/>

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## 3.3 Web Forum

User to user technical support is available via the GFI web forum. Access the web forum by visiting:

<http://forums.gfi.com/>.

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## 3.4 Request technical support

If none of the resources listed above enable you to solve your issues, contact the GFI Technical Support team by filling in an online support request form or by phone.

**Online:** Fill out the support request form and follow the instructions on this page closely to submit your support request on:

<http://support.gfi.com/supportrequestform.asp>

**Phone:** To obtain the correct technical support phone number for your region please visit:

<http://www.gfi.com/company/contact.htm>

**NOTE:** Before you contact our Technical Support team, please have your Customer ID available. Your Customer ID is the online account number that is assigned to you when you first register your license keys in our Customer Area at:

<http://customers.gfi.com>.

We will answer your query within 24 hours or less, depending on your time zone.

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### **3.5 Build notifications**

We strongly suggest that you subscribe to our build notifications list. This way, you will be immediately notified about new product builds. To subscribe to our build notifications, visit:

<http://www.gfi.com/pages/productmailing.htm>.

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### **3.6 Documentation**

If this manual does not satisfy your expectations, or if you think that this documentation can be improved in any way, let us know via email on: [documentation@gfi.com](mailto:documentation@gfi.com)

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