Grandstream Networks, Inc.

GCC6000 Series -
Anti-Malware Guide

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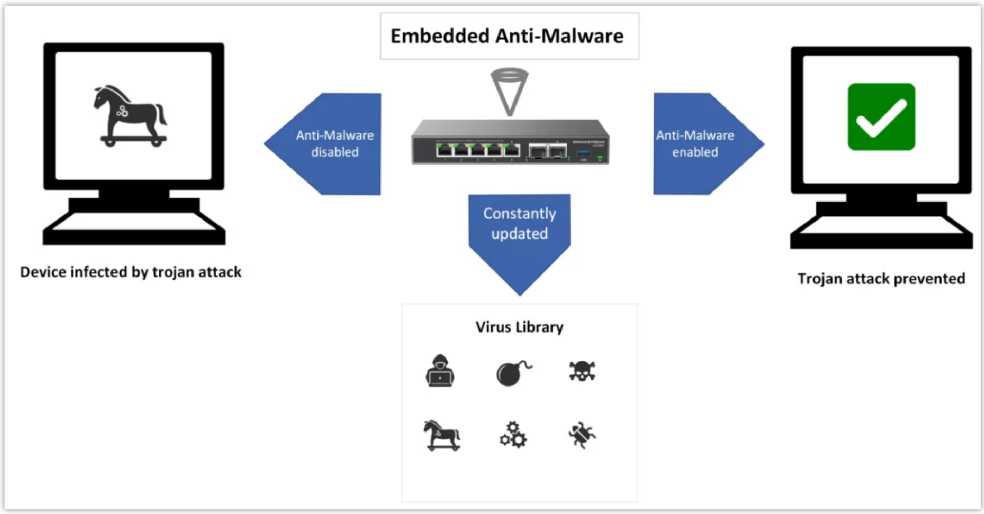
Introduction

The GCC6000 series supports embedded anti-malware software that helps the firewall system detect, block, and scan the network for any potential security threats, it can be very similar to the functionalities found on an anti-virus software, with many more features narrowed for network security, including protection against various threats.

The anti-malware module is periodically updated to include the latest security patches to stay up to date with the evolving attack methods.



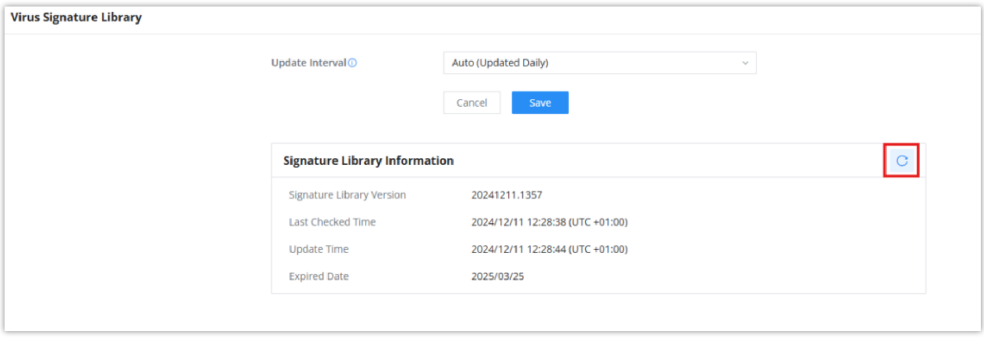
Anti-Malware mechanism

In this guide, we will walk through how to enable and configure the embedded anti-malware software in the GCC convergence device.

Enabling Anti-malware

To prevent a malware attack using the Grandstream GCC device, please follow the below steps:

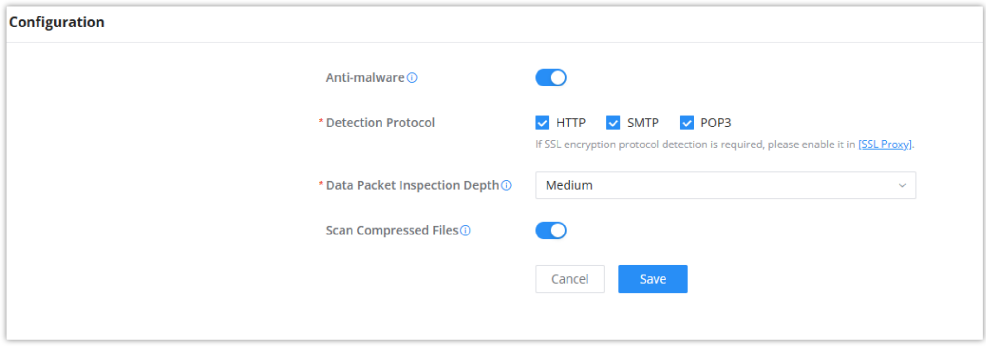
- First, navigate to **Firewall Module** → **Anti-Malware** → **Virus Signature Library** and update the signature library information, this will help the GCC device obtain the latest information about the virus threats.



Update Virus Library

- Navigate to **Firewall Module** → **Anti-Malware** → **Configuration**, then enable **Anti-Malware**
- Check the detection protocol, for HTTP, SMTP, and POP3, all three protocols will be inspected.
- Set **Data Packet Inspection Depth** to "**High**", The available options are:
  1. **Low:** Basic inspection with minimal checks, this option offers faster performance but less security.
  2. **Medium**: A balanced level of inspection with moderate security and performance.
  3. **High**: Thorough inspection with the highest security, but it may slightly slow down performance.

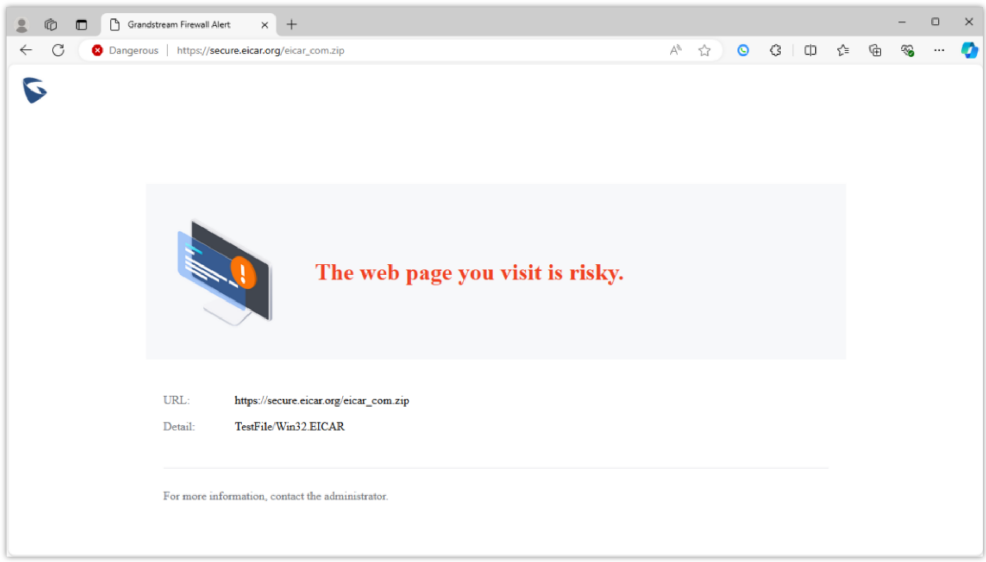
- Enable "**Scan Compressed Files**", this will help scan any compressed attachments before download.



Anti-Malware Settings

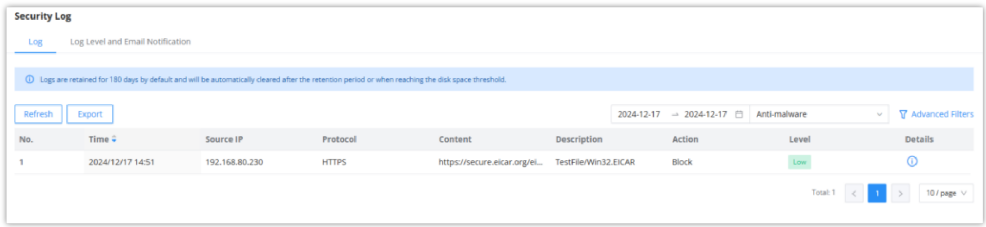
- Paste the anti-malware download test file link: **https://secure.eicar.org/eicar_com.zip**, this is a file containing a signature that has been added to the database of viruses and anti-malware to be detected for testing purposes, it is not a harmful file.

- Browse to the site using a browser of your choice (**it's recommended to use a Virtual Machine and private tab**), then confirm that the site is blocked.



Anti Malware functioning

With this, we can confirm that the website access is blocked due to the anti-malware defense, we can view this on the security logs of the GCC device.



Security Log – Access Blocked

- SSL Proxy must be enabled first to detect HTTPS/SMTPS/POP3S Traffic. Please refer to the **SSL Proxy Guide** for more information on how to set up an SSL proxy on the GCC device.

Supported Devices

Device Model	Firmware Required

GCC6010W	1.0.1.7+
GCC6010	1.0.1.7+
GCC6011	1.0.1.7+

Need Support?

Can’t find the answer you’re looking for? Don’t worry we’re here to help!

CONTACT SUPPORT