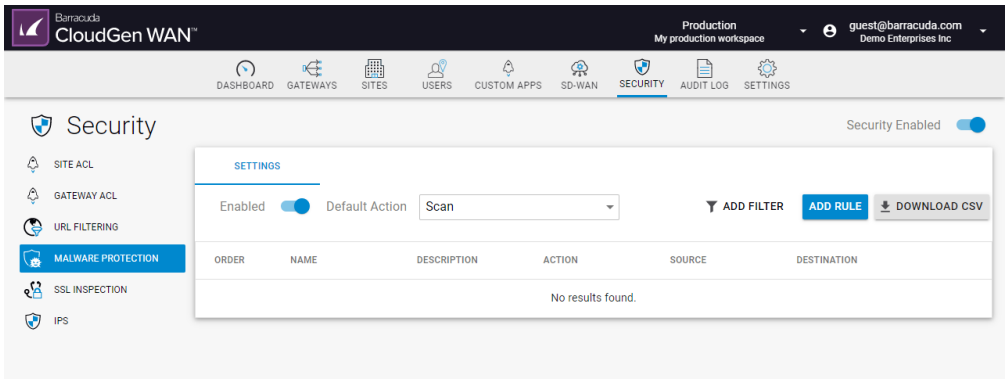
Malware Protection

https://campus.barracuda.com/doc/93882901/

Malware Protection offers protection against advanced malware, zero-day exploits, and targeted attacks not detected by the intrusion prevention system by scanning downloaded files. The user receives the downloaded file immediately after the hash DB lookup, which compares a hash of the file with the Barracuda database to see if it is a malicious file. Simultaneously, the file is uploaded to the Barracuda Advanced Threat Protection (ATP) cloud, but only if the file is 10 megabytes or less. A rchives are unpacked and the files they contain are sent to the ATP cloud with the same restriction that only unpacked files 10 megabytes or less are sent to the ATP cloud for inspection. In the ATP cloud, those files are emulated in a virtual sandbox and their behavior is analyzed. Depending on the behavior of the file, it is assigned a threat level that is transmitted to the appliance. If the threat level exceeds the ATP threat level threshold, the file is blocked; otherwise, it is delivered.



Malware Protection can be used for HTTP, HTTPS, FTP, and FTPS traffic. For HTTPS and FTPS, SSL Inspection must be activated.

The following file types are scanned by the Barracuda ATP cloud:

- **Microsoft Office files** – doc, docx, ppt, pps, pptx, ppsx, xls, xlsx
- **OpenOffice** – rtf, open office document extensions
- **Microsoft executables** – exe, msi, class, wsf
- **macOS executables**
- **PDF documents** – pdf
- **Android APK files** – apk
- **ZIP Archives** – 7z, lzh, bz, bz2, chm, cab, zip
- **RAR Archives** – rar4 and rar5
- **TAR Archives** – tar
- **GZ Content** – Content compressed with gzip

Risk Scores

The ATP service classifies all files in one of four categories:

- **High** – Files classified as high risk exhibit behavior normally only found in malware.
- **Medium** – Files classified as medium risk pose a potential risk.
- **Low** – Files classified as low risk are considered to be harmless. Some residual risk remains.
- **None** – No suspicious activity was detected.

Reporting

You can create reports and notifications using Azure Log Analytics Workspace. Your CloudGen WAN service must be connected to Azure Log Analytics Workspace. For more information, see How to Configure Log Streaming to Microsoft Azure Log Analytics Workspace.

Maximum Number of Scans

Scale Units Gateway	Maximum Scans per Minute	Maximum Scans per Month
2	100	2 000 000
4	100	2 000 000
10	100	2 000 000
14	100	2 000 000
20	100	2 000 000
30	150	3 000 000
40	150	3 000 000
60	200	4 000 000
80	250	5 000 000

Before You Begin

- If you want to select users or groups in the policies, you must first connect your Azure Active Directory. For more information, see How to Connect Your Azure Active Directory with Barracuda Cloud Control.
- Enable SSL Inspection.

Create Malware Protection Rules

1. Open https://cloudgenwan.barracudanetworks.com/ and log in with your existing Barracuda Cloud Control account.
2. Go to **SECURITY > MALWARE PROTECTION.**
3. Click **ADD RULE**.
4. The **Add New Rule** window opens. Specify values for the following:
    - **Name** – Enter a name for the rule.

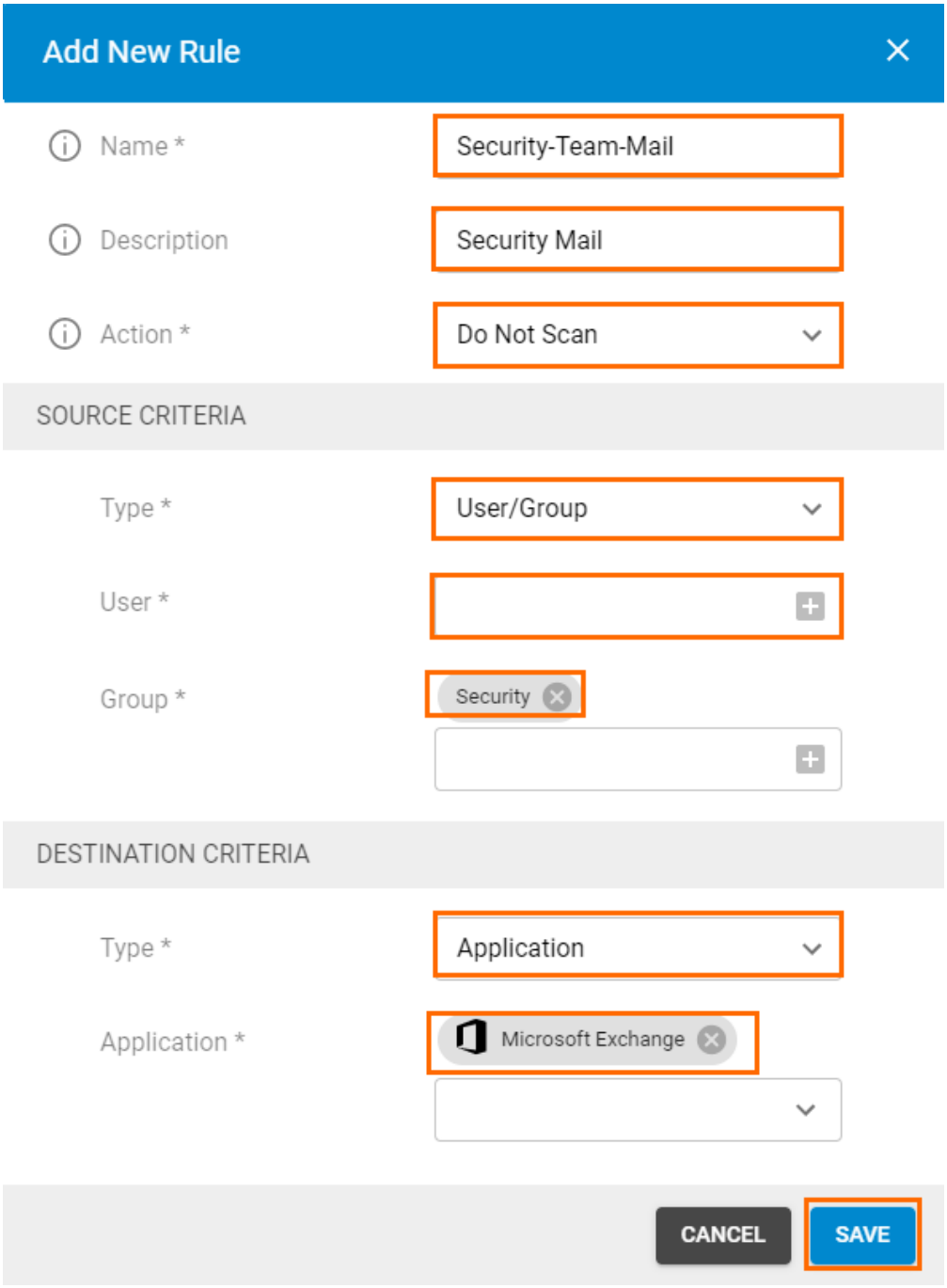
- **Description** – Enter a description for the rule.
- **Action** – Select an action.

SOURCE CRITERIA

- **Type** – Select a type. You can choose between **IP/Network**, **Site**, and **User/Group**. If you want to select users or groups in the policies, you must first connect your Azure Active Directory. For more information, see How to Connect Your Azure Active Directory with Barracuda Cloud Control.
- IP/Network – Enter an IP or network address.

DESTINATION CRITERIA

- **Type** – Select a type. You can choose between **Application**, **Domain**, **IP/Network**, and **Site**.
- **Application** – Select an application. For more information, see How to Create Custom Applications.



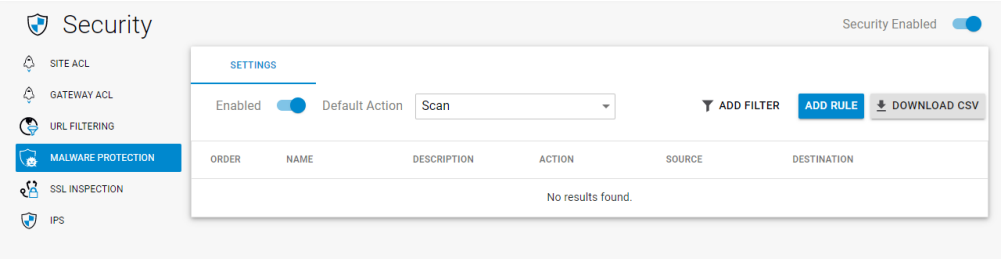
5. Click **SAVE**.

Select the Default Action

You can configure the Site ACL to either block or allow traffic by default.

1. Open https://cloudgenwan.barracudanetworks.com/ and log in with your existing Barracuda Cloud Control account.

2. Go to **SECURITY > MALWARE PROTECTION**.
3. In the **SETTINGS** section, select the default action.



Further Information

- For more information on User and Groups, see How to Connect Your Azure Active Directory with Barracuda Cloud Control.

Figures

1. mp_82.png
2. add_rule.png
3. mp_default_action82.png