NetWitness® Platform

McAfee Web Gateway Event Source Log Configuration Guide

NETWITNESS
Platform

McAfee Web Gateway

Last Modified: Tuesday, June 18, 2024

Event Source Product Information:

Vendor: McAfee

Event Source: Web Gateway

Versions: 6.8.5, 7.x, 8.x and 11.2.16

Note: NetWitness supports the major version. In case of any configuration changes or logs not parsing in a minor version, please open a case in the NetWitness Community Portal for support.

Additional Downloads:

- nicsftpagent.conf.mcafeewg1
- nicsftpagent.conf.mcafeewg2

RSA Product Information:

Supported On: NetWitness Platform 12.0 and later

Event Source Log Parser: mcafeewg

Collection Method: File, Syslog

Event Source Class.Subclass: Host.Web log

Contact Information

NetWitness Community at https://community.netwitness.com contains a knowledge base that answers common questions and provides solutions to known problems, product documentation, community discussions, and case management.

Trademarks

License Agreement

Third-Party Licenses

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February, 2024

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To configure McAfee Web Gateway to work with RSA NetWitness Platform, complete one of the following:

- Configure Syslog Collection
- Configure File Collection

Configure Syslog Collection

To configure syslog collection, you must complete these tasks:

I. Customize McAfee Web Gateway Logs

II. Configure Syslog Collection for McAfee Web Gateway version 7.x or 8.x or 11.2.16

III. Configure RSA NetWitness Platform for Syslog Collection

Customize McAfee Web Gateway Logs

To customize McAfee Web Gateway logs for version 7.0 and later:

1. Open a browser and log on to the McAfee Web Gateway appliance with administrative credentials.
2. Click the **Policy** tab.
3. Click the **Settings** tab in the left menu.
4. Expand **Engines** > **File System Logging**.
5. Click **Access Log Configuration**.
6. In the File System Logging Settings window, ensure the settings are as follows:
   a. In the **Name of the log** field, type:
      ```
      access.log
      ```
   b. Select **Enable log buffering** and **Enable header writing**.
   c. In the **Log header** field, type:
      ```
      #time_stamp src_ip auth_user server_name cache_status server_ip url_port
      "method" "url" event protocol bytes_from_client bytes_from_server user_
      agent "referrer " block_res
      ```
7. Click **Save Changes**.
8. From the **File System Logging** menu, click **Found Viruses Log**.
9. In the File System Logging Settings window, ensure the settings are as follows:
   a. In the **Name of the log** field, type:
      ```
      foundviruses.log
      ```
   b. Select **Enable log buffering** and **Enable header writing**.
   c. In the **Log header** field, type:
      ```
      #time_stamp "auth_user" "src_ip" "virus_name" "url"
      ```
10. Click **Save Changes**.

Configure Syslog Collection for McAfee Web Gateway version 7.x

To configure Syslog Collection for McAfee Web Gateway version 7.x

1. Open a browser and log on to the McAfee Web Gateway appliance with administrative credentials.
2. Click on the **Configuration** tab.
3. On the left panel, click **File Editor**.
4. Expand the **mwgappl** folder, then click on the **rsyslog.conf** file
5. In the file, look for a line similar to the following:

   ```
   *.info;mail.none;authpriv.none;cron.none /var/log/messages
   ```

   Replace it with the line below:

   ```
   *.info;daemon.!=info;mail.none;authpriv.none;cron.none -/var/log/messages
   ```
6. In the rsyslog.conf file, after the line that says local7.* /var/log/boot.log insert the following line:

   ```
   daemon.info @SA-IP_addr:514
   ```

   where ***SA-IP_addr*** is the IP address of the NetWitness Log Decoder or Remote Log Collector

   Note: This line should be inserted before the # ### begin forwarding rule ### message. Refer to the McAfee Community docs for the correct amount of spacing needed.
7. Click **Save Changes**.

Configure RSA NetWitness Platform

Perform the following steps in [[[Undefined variable SAVariables.ProductSuiteName]]]:

- Ensure the required parser is enabled
- Configure Syslog Collection

Ensure the Required Parser is Enabled

If you do not see your parser in the list while performing this procedure, you need to download it in RSA NetWitness Platform Live.

Ensure that the parser for your event source is available:

1. In the **NetWitness** menu, select  (Admin) > **Services**.
2. In the **Services** grid, select a Log Decoder, and from the **Actions (**  **)** menu, choose **View** > **Config**.

3. In the **Service Parsers Configuration** panel, search for your event source, and ensure that the **Config Value** field for your event source is selected.

Note: The required parser is **mcafeewg**.

Configure Syslog Collection

Note: You only need to configure Syslog collection the first time that you set up an event source that uses Syslog to send its output to NetWitness. You only need to configure either the Log Decoder or the Remote Log Collector for Syslog, not both.

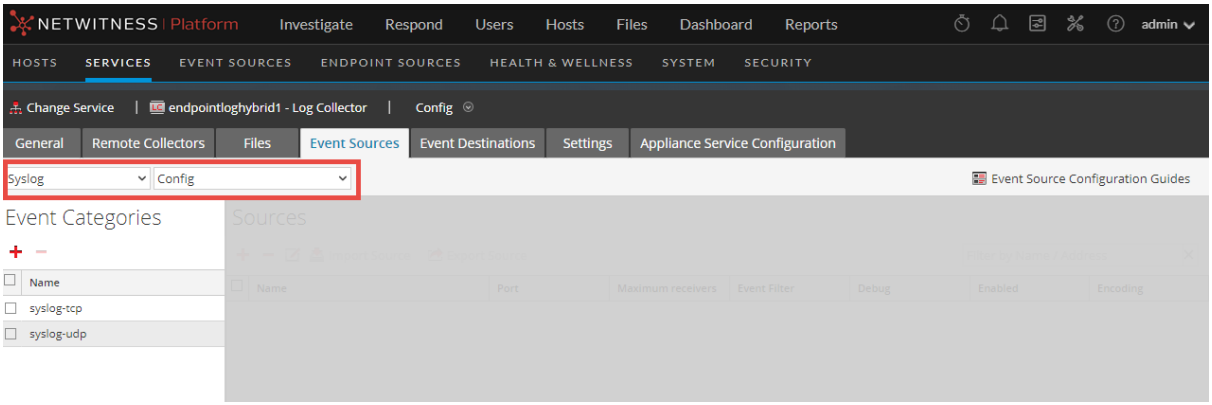
To configure Log Decoder for Syslog Collection

1. In the NetWitness Platform menu, select (Admin) > **Services**.
2. In the **Services** grid, choose a Log Decoder and from the **Actions** ( ) menu, choose **View** > **System**.
3. Depending on the icon you see, do one of the following:
   - If you see Start Capture , click the icon to start capturing Syslog.
   - If you see Stop Capture , you do not need to do anything; this Log Decoder is already capturing Syslog.

To configure Remote Log Collector for Syslog Collection

1. In the NetWitness Platform menu, go to (Admin) > **Services**.
2. In the **Services** grid, select a Remote Log Collector and from the **Actions** ( ) menu, choose **View** > **Config** > **Event Sources**.
3. Select **Syslog / Config** from the drop-down menu.

   The **Event Categories** panel displays the Syslog event sources that are configured, if any.

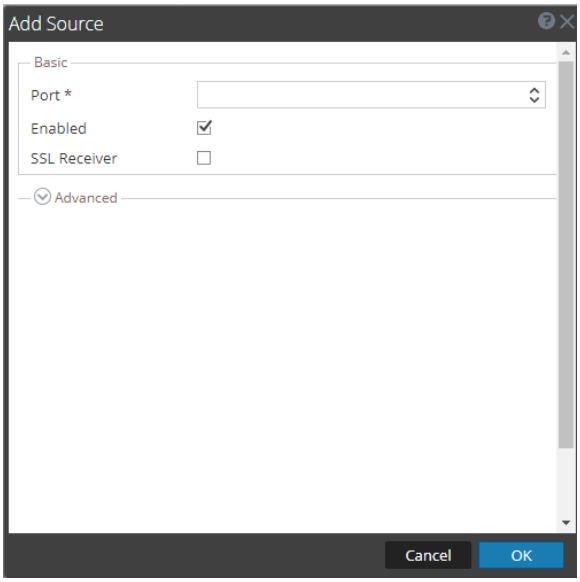


4. In the **Event Categories** panel toolbar, click +.

   The **Available Event Source Types** dialog will appear.

5. Choose either **syslog-tcp** or **syslog-udp**. You can set up either or both, depending on the needs of your organization.
6. Choose the **New Type** in the **Event Categories** panel and click + in the **Sources** panel toolbar.

   The **Add Source** dialog will appear.



7. Enter **514** for the port and choose **Enabled**. Optionally, configure any of the Advanced parameters as necessary.

   Click **OK** to accept your changes and close the dialog box.

After you configure one or both syslog types, the Log Decoder or Remote Log Collector collects those types of messages from all available event sources. You can continue to add Syslog event sources to your system without a need to do any further configuration in NetWitness Platform.

Configure File Collection

To configure File collection, you must complete these tasks:

I. Customize McAfee Web Gateway

II. Set up SFTP Agent

III. Configure the RSA NetWitness Platform Log Collector for File Collection

Customize McAfee Web Gateway Logs

To customize McAfee Web Gateway logs for version 6.8.5:

1. Open a browser and log on to the McAfee Web Gateway appliance with administrative credentials.
2. Click the **Reporting** tab.
3. In the **Overall Reporting** section, click **Log File Management**.
4. To customize the HTTP Access logs, follow these steps:
   a. In the **HTTP Access Log** section, click **Customize HTTP Access Log**.
   b. In the **HTTP Access Log** field of the **Log File Structure** section, type:

      ```
      time_stamp src_ip auth_user server_name cache_status server_ip url_port
      "method" "url" event protocol bytes_from_client bytes_from_server user_
      agent "referer" block_res
      ```

   c. Click **Apply Changes**.
5. To customize the HTTP Access Denied logs, follow these steps:
   a. In the **HTTP Access Denied Log** section, click **Customize HTTP Access Denied Log**.
   b. In the **HTTP Access Denied Log** field of the **Log File Structure** section, type:

      ```
      time_stamp src_ip auth_user server_name cache_status server_ip url_port
      "method" "url" event protocol bytes_from_client bytes_from_server user_
      agent "referer" block_res
      ```

   c. Click **Apply Changes**.
6. To customize the security logs, follow these steps:
   a. In the **Security Log** section, click **Customize Security Log**.
   b. In the **Security Log** field of the **Log File Structure** section, type:

      ```
      time_stamp "object_id" status_code media_type extension media_type_
      status
      ```

   c. Click **Apply Changes**.
7. To customize the Found Viruses logs, follow these steps:

a. In the **Found Viruses Log** section, click **Customize Found Viruses Log**.
b. In the **Found Viruses Log** field of the **Log File Structure** section, type:

```
time_stamp "virus_name" "file_name" "media_type" infected_status
```

c. Click **Apply Changes**.

To customize McAfee Web Gateway logs for version 7.0 and up:

1. Open a browser and log on to the McAfee Web Gateway appliance with administrative credentials.
2. Click the **Policy** tab.
3. Click the **Settings** tab in the left menu.
4. Expand **Engines** > **File System Logging**.
5. Click **Access Log Configuration**.
6. In the File System Logging Settings window, ensure the settings are as follows:
   a. In the **Name of the log** field, type:

```
access.log
```

   b. Select **Enable log buffering** and **Enable header writing**.
   c. In the **Log header** field, type:

```
#time_stamp src_ip auth_user server_name cache_status server_ip url_port
"method" "url" event protocol bytes_from_client bytes_from_server user_
agent "referrer " block_res
```

7. Click **Save Changes**.
8. From the **File System Logging** menu, click **Found Viruses Log**.
9. In the File System Logging Settings window, ensure the settings are as follows:
   a. In the **Name of the log** field, type:

```
foundviruses.log
```

   b. Select **Enable log buffering** and **Enable header writing**.
   c. In the **Log header** field, type:

```
#time_stamp "auth_user" "src_ip" "virus_name" "url"
```

10. Click **Save Changes**.

Set Up the SFTP Agent

To set up the SFTP Agent Collector, download the appropriate PDF from NetWitness Link:

- To set up the SFTP agent on Windows, seeInstall and Update SFTP Agent
- To set up the SFTP agent on Linux, see Configure SFTP Shell Script File Transfer

Configure the Log Collector for File Collection

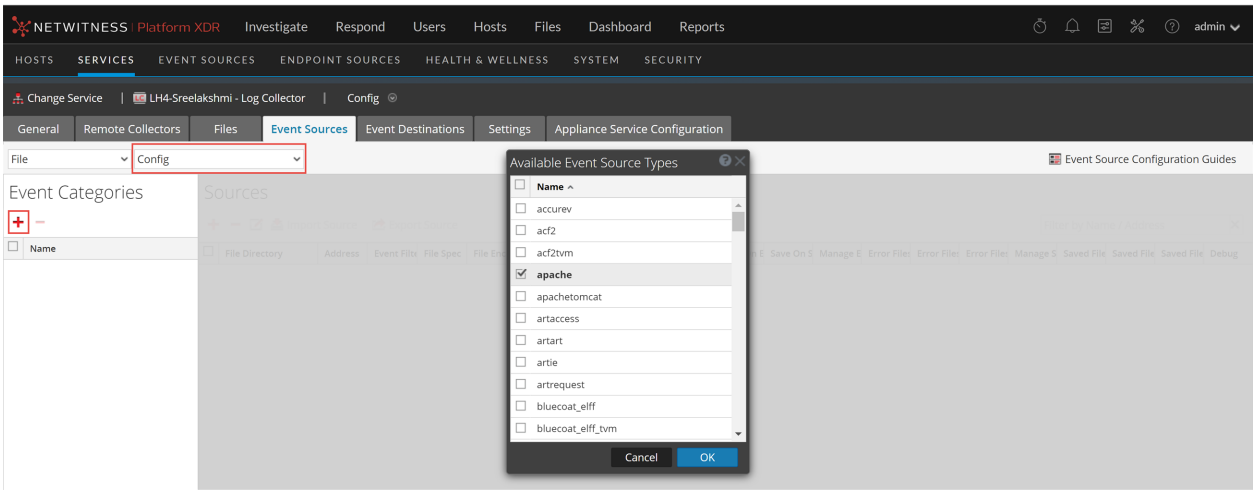
Perform the following steps to configure the Log Collector for File collection.

To configure the Log Collector for file collection:

1. In the **NetWitness** menu, select (Admin) > **Services**.
2. In the **Services** grid, select a Log Collector, and from the **Actions** ( ) menu, choose **View** > **Config** > **Event Sources**.
3. Select **File/Config** from the drop-down menu.

   The Event Categories panel displays the File event sources that are configured, if any.
4. In the **Event Categories** panel toolbar, click +.

   The **Available Event Source Types** dialog is displayed.

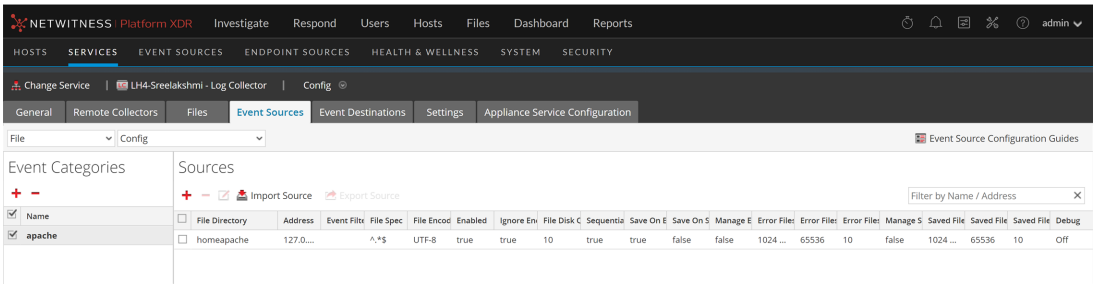


1. Select the correct type from the list and click **OK**.

   Select **webgateway** from the **Available Event Source Types** dialog.

   The newly added event source type is displayed in the Event Categories panel.

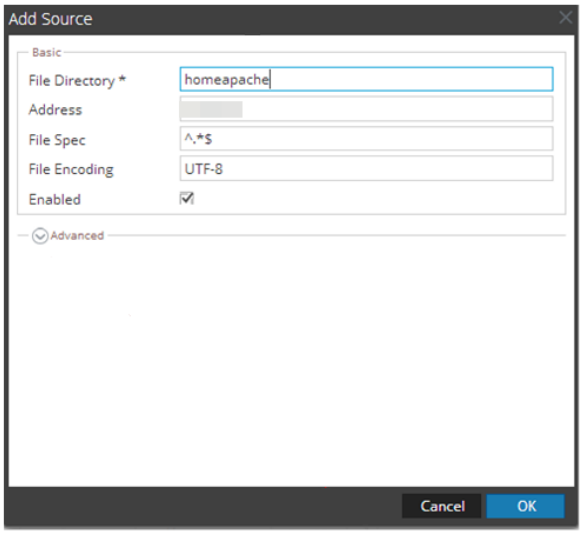
   Note: The image below uses **Apache** as an example only. Your screen will look different, depending on which Event Source type you are configuring.

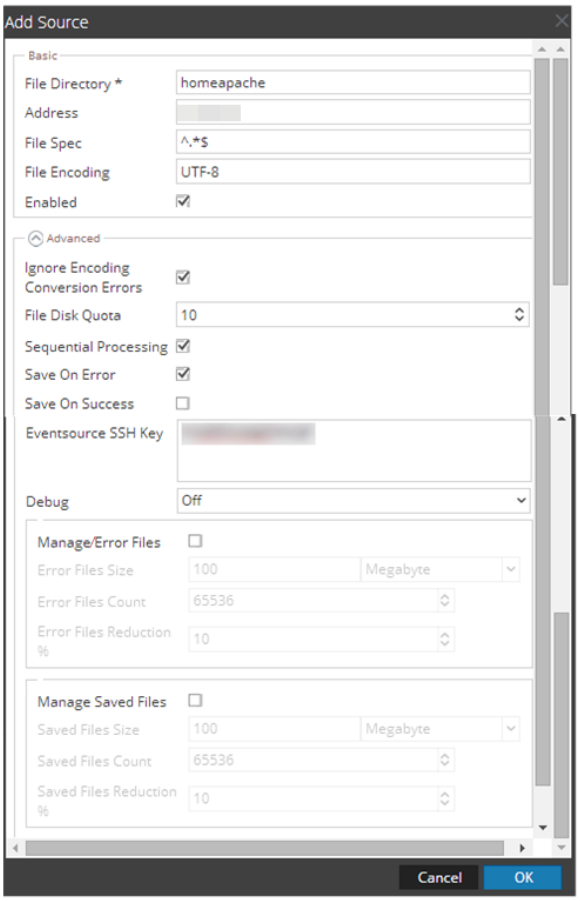


6. Select the new type in the Event Categories panel and click + in the Sources panel toolbar.

   The **Add Source** dialog is displayed.

   Note: Again, the image below uses **Apache** as an example only. Your screen will look different, depending on which Event Source type you are configuring.





7. Add a File Directory name, modify any other parameters that require changes, and click **OK**.

8. Stop and Restart File Collection. After you add a new event source that uses file collection, you must stop and restart the NetWitness File Collection service. This is necessary to add the key to the new event source.

Getting Help with NetWitness Platform

Self-Help Resources

There are several options that provide you with help as you need it for installing and using NetWitness:

- See the documentation for all aspects of NetWitness here: https://community.netwitness.com/t5/netwitness-platform/ct-p/netwitness-documentation.
- Use the **Search** and **Create a Post** fields in NetWitness Community portal to find specific information here: https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions.
- See the NetWitness Knowledge Base: https://community.netwitness.com/t5/netwitness-knowledge-base/tkb-p/netwitness-knowledge-base.
- See the documentation for Logstash JDBC input plugin here: https://www.elastic.co/guide/en/logstash/current/plugins-inputs-jdbc.html.
- See Troubleshooting section in the guides.
- See also NetWitness® Platform Blog Posts.
- If you need further assistance, Contact NetWitness Support.

Contact NetWitness Support

When you contact NetWitness Support, please provide the following information:

- The version number of the NetWitness Platform or application you are using.
- Logs information, even source version, and collection method.
- If you have problem with an event source, enable **Debug** parameter (set this parameter to **On** or **Verbose**) and collect the debug logs to share with the NetWitness Support team.

Use the following contact information if you have any questions or need assistance.

NetWitness Community Portal	https://community.netwitness.com In the main menu, click **Support > Case Portal > View My Cases**.
International Contacts (How to Contact NetWitness Support)	https://community.netwitness.com/t5/support/ct-p/support
Community	https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions

Feedback on Product Documentation

You can send an email to feedbacknwdocs@netwitness.com to provide feedback on NetWitness Platform documentation.