RSA NetWitness Logs

Event Source Log Configuration Guide

McAfee Web Gateway

Last Modified: Wednesday, October 11, 2017

Event Source Product Information:

Vendor: McAfee
Event Source: Web Gateway
Versions: 6.8.5, 7.x

Note: RSA is qualifying support for the major version. In case of any configuration changes or logs not parsing in a minor version, please open a case and we will add support for it.

Additional Download: nicsftpagent.conf.mcafeewg1, nicsftpagent.conf.mcafeewg2

RSA Product Information:

Supported On: NetWitness Suite 10.0 and later
Event Source Log Parser: mcafeewg
Collection Method: File, Syslog
Event Source Class.Subclass: Host.Web log

To configure McAfee Web Gateway to work with RSA NetWitness Suite, 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

III. Configure RSA NetWitness Suite 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 RSA 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 Suite

Perform the following steps in RSA NetWitness Suite:

- 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 Suite Live.

Ensure that the parser for your event source is enabled:

1. In the **NetWitness** menu, select **Administration** > **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

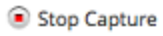
Note: You only need to configure Syslog collection the first time that you set up an event source that uses Syslog to send its output to NetWitness.

You should configure either the Log Decoder or the Remote Log Collector for Syslog. You do not need to configure both.

To configure the Log Decoder for Syslog collection:

1. In the **NetWitness** menu, select **Administration** > **Services**.
2. In the Services grid, select 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 

, click the icon to start capturing Syslog.
- If you see 

, you do not need to do anything; this Log Decoder is already capturing Syslog.

To configure the Remote Log Collector for Syslog collection:

1. In the **NetWitness** menu, select **Administration** > **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 is displayed.
5. Select either **syslog-tcp** or **syslog-udp**. You can set up either or both, depending on the needs of your organization.
6. Select the new type in the Event Categories panel and click + in the Sources panel toolbar.

   The Add Source dialog is displayed.
7. Enter **514** for the port, and select **Enabled**. Optionally, configure any of the Advanced parameters as necessary.

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

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

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 Suite 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 RSA Link:

- To set up the SFTP agent on Windows, see Install 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

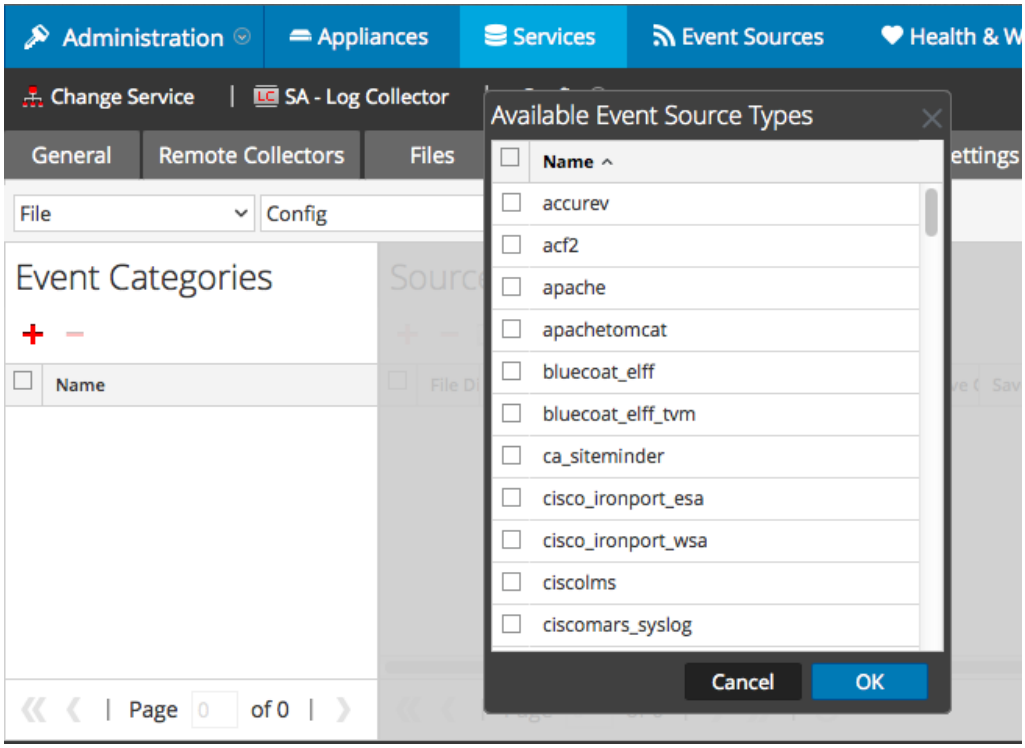
Perform the following steps to configure the Log Collector for File collection.

To configure the Log Collector for file collection:

1. In the **NetWitness** menu, select **Administration** > **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.

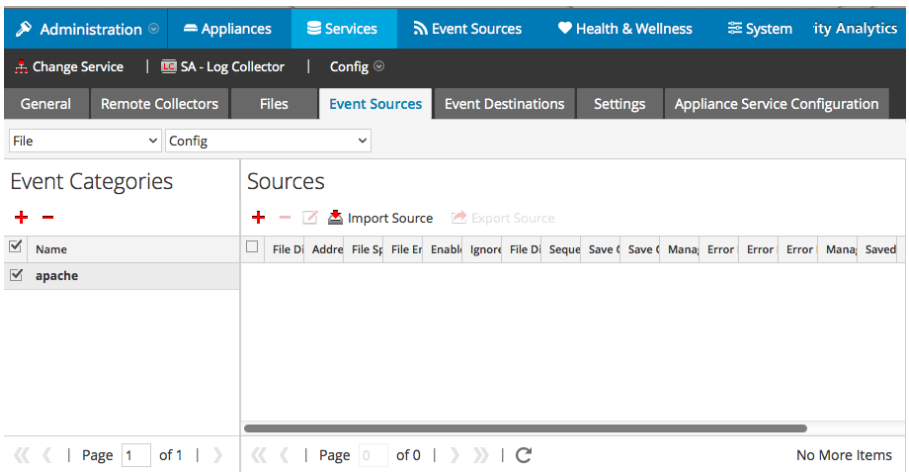


5. Select the correct type from the list, and click **OK**.

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

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

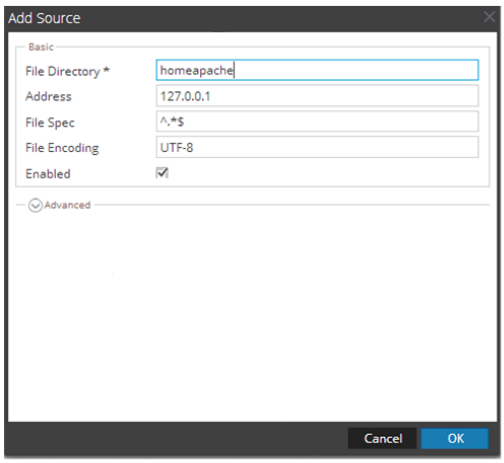
   Note: The image below uses **Apache** as an example only. Your screen will look different, depending on which Event Source type you are configuring.

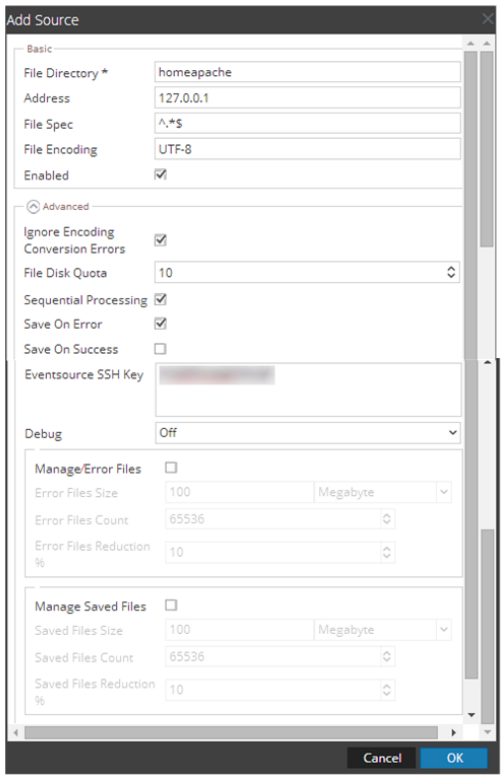


6. Select the new type in the Event Categories panel and click + in the Sources panel toolbar.

   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.

Trademarks