

NetWitness[®] Platform

Barracuda Web Application Firewall Event Source Log Configuration Guide

Barracuda Web Application Firewall

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Event Source Product Information:

Vendor: [Barracuda Networks](#)

Event Source: Web Application Firewall

Versions: Firmware version 7.4.0, 7.8.0, 7.9.2, 8.x, 9.x

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.

NetWitness Product Information:

Supported On: NetWitness Platform 12.3 and later

Event Source Log Parser: barracudawaf

Collection Method: Syslog

Event Source Class.Subclass: Security.Application Firewall

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.

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Miscellaneous

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November 2024

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To configure Syslog collection for the Barracuda Web Application Firewall event source, you must:

- I. Configure Syslog Output on Barracuda WAF
- II. Configure RSA NetWitness Platform for Syslog Collection

Configure Syslog Output on Barracuda WAF

See the procedure below that corresponds to your Barracuda Web Application Firewall version:

- [Configure Barracuda WAF version 7.8.0 and Above](#), or
- [Configure Barracuda WAF version 7.4.0](#)

Configure Barracuda WAF version 7.8.0 and Above

Note: For version 7.8.0 and above, RSA supports Audit, Web Firewall, and Access logs.

1. Log on to the Barracuda Web Application Firewall web interface with administrative credentials.
2. Select **Basic > IP Configuration** from the menu bar.
3. In the **Domain Configuration** section, in the **Default Hostname** field, type **BARRACUDAWAF**.
4. Select **Advanced > Export Logs** from the menu bar.
5. In the **Syslog** section, click **Add Syslog Server** and complete the fields as follows:
 - a. In the **Name** field, enter a descriptive name, for example: **RSA NetWitness Platform**.
 - b. In the **IP Address** field, enter the IP address of the NetWitness Log Decoder or Remote Log Collector.
 - c. In the **Port** field, leave the default value **514**.
 - d. For **Connection Type**, select **UDP**.
 - e. For **Validate Server Certificate**, select **No**.
 - f. For **Client Certificate**, select **No**.
 - g. For **Log TimeStamp & Hostname**, select **No**.
 - h. Click **Add**.
6. In the **Logs Format** section, complete the fields as follows:
 - a. In the **Syslog Header** field, select **Custom Header** and leave the text entry field blank.
 - b. In the **Web Firewall Logs Format** field, select **Custom Format** and enter the following string:

```
%un %t %lt %seq %sl %ad %ci %cp %ri %rt %at %fa %adl %m %u %p %ua %px %pp %r
```
 - c. In the **Access Logs Format** field, select **Custom Format** and enter the following string:

```
%un %t %lt %seq %p %m %ci %cp %si %sp %u %cu %id %h %r %s %bs %br %q %c %ua %px %pp %ct
```
 - d. In the **Audit Logs Format** field, select **Custom Format** and enter the following string:

```
%un %t %lt %seq %an %trt %ct %li %tri %cn %ot %on %var %ov %nv
```

- e. Click **Save Changes**.
7. Close the Barracuda Web Application Firewall Console.

Configure Barracuda Web Application Firewall version 7.4.0

1. Log on to the Barracuda Web Application Firewall web interface with administrative credentials.
2. Select **Basic > IP Configuration** from the menu bar.
3. In the **Domain Configuration** section, in the **Default Hostname** field, type **BARRACUDAWAF**.
4. Select **Advanced > Export Logs** from the menu bar.
5. In the **Syslog** section, complete the fields as follows:
 - a. In the **Name** field, enter a name, for example: RSA NetWitness Platform.
 - b. In the **Syslog Server** field, enter the IP address of the NetWitness Log Decoder or Remote Log Collector.
 - c. In the **Log Time Stamp** field, select **Yes**.
 - d. In the **Log Unit Name** field, select **Yes**.
 - e. Click **Add**.
6. In the **Logs Format** section, complete the fields as follows:
 - a. In the **System Logs Format** field, select **Custom Format** and enter the following string:


```
%t %lt %seq %md %ll %ei %ms
```
 - b. In the **Web Firewall Logs Format** field, select **Custom Format** and enter the following string:


```
%un %t %lt %seq %sl %ad %ci %cp %ri %rt %at %fa %adl %m %u %p %ua %px  
%pp %r
```
 - c. In the **Access Logs Format** field, select **Custom Format** and enter the following string:


```
%un %t %lt %seq %p %m %ci %cp %si %sp %u %cu %id %h %r %s %bs %br %q %c  
%ua %px %pp %ct
```
 - d. In the **Audit Logs Format** field, select **Custom Format** and enter the following string:


```
%un %t %lt %seq %an %trt %ct %li %tri %cn %ot %on %var %ov %nv
```
 - e. Click **Save Changes**.
7. Close the Barracuda Web Application Firewall Console.

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 **barracudawaf**.



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.

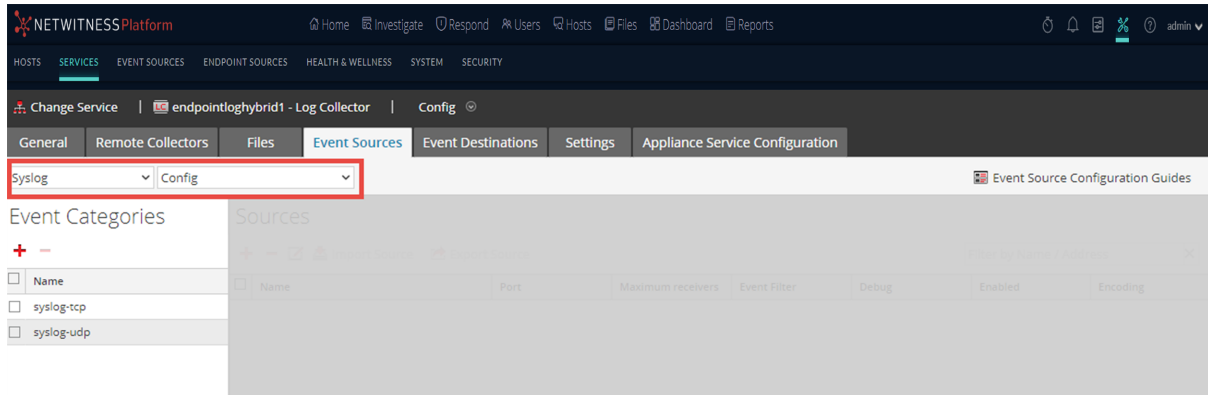
To configure Log Decoder for Syslog Collection

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.

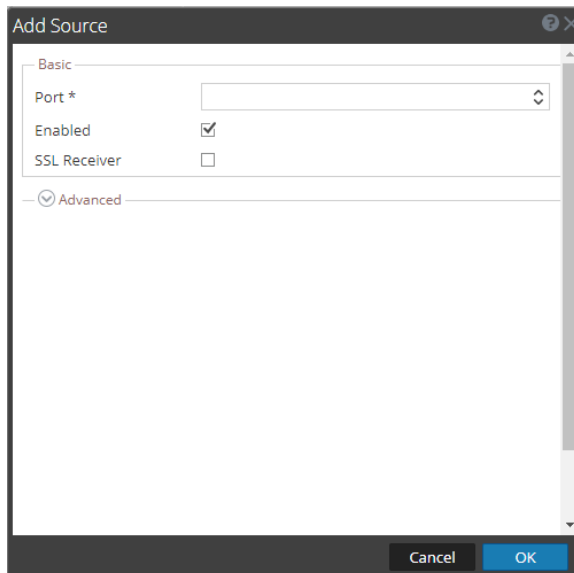
To configure Remote Log Collector for Syslog Collection

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.

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.