

RSA NetWitness Logs

Event Source Log Configuration Guide



GitHub Enterprise

Last Modified: Tuesday, May 23, 2017

Event Source Product Information:

Vendor: [GitHub](#)

Event Source: GitHub Enterprise

Versions: 2.8.x

RSA Product Information:

Supported On: NetWitness Suite 10.0 and later

Event Source Log Parser: git

Collection Method: Syslog

Event Source Class.Subclass: Storage.Content Management Systems

GitHub Enterprise has all the capabilities of the open-source GitHub: commit histories, code browsing, compare views, pull requests, issues, wikis, gists, organizations and team management, powerful APIs, and a web interface. With GitHub Enterprise, you can run those features locally, on your own server.

To configure GitHub Enterprise, you must complete these tasks:

- I. Configure Syslog Forwarding for GitHub
- II. Configure RSA NetWitness Suite for Syslog Collection

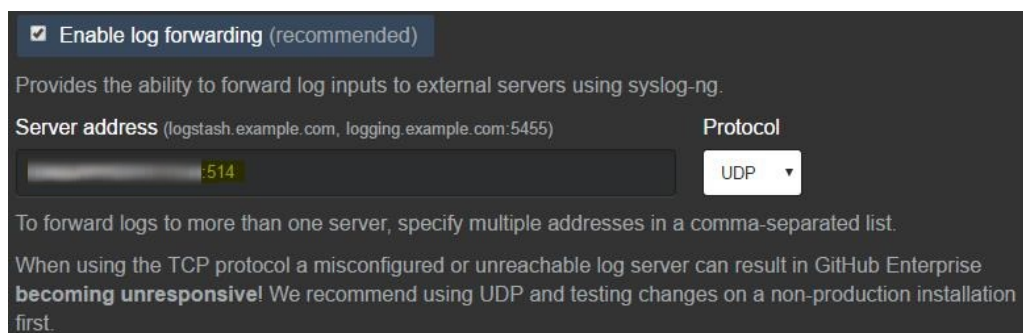
Configure GitHub

To configure GitHub, perform the following steps:

1. On the GitHub Enterprise Server, on the Management Console settings page, in the left sidebar, click **Monitoring**.
2. Select **Enable log forwarding**.

The Enable log forwarding screen is displayed.

3. Fill in the parameters for the **Enable log forwarding** screen.
 - For the **Server address**, enter the IP address of the RSA NetWitness Log Decoder or Remote Log Collector.
 - Make sure to append the Port number after the Server address. For example, if the IP address of the RSA NetWitness Log Decoder or Remote Log Collector is 10.100.100.01, you would enter **10.100.100.01:514**.
 - For the **Protocol**, select **UDP**.



Enable log forwarding (recommended)

Provides the ability to forward log inputs to external servers using syslog-ng.

Server address (logstash.example.com, logging.example.com:5455)

Protocol

To forward logs to more than one server, specify multiple addresses in a comma-separated list.

When using the TCP protocol a misconfigured or unreachable log server can result in GitHub Enterprise **becoming unresponsive!** We recommend using UDP and testing changes on a non-production installation first.

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 **git**.



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  **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 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.

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