Mandiant

GRAYLOG INTEGRATION WITH SECURITY VALIDATION

This integration provides the following benefits:

- Validates that security tools are writing log events to Graylog to ensure compliance with security policies and regulations
- Collects events generated by security tools that write to Graylog to test the efficacy and configuration of security controls using Security Validation jobs

Use this document to configure the integration using one of the following methods:

- MSI (Supported and recommended for new integration configurations)
- Legacy (Supported for existing integration configurations)

Configure MSI Integration

This method is the recommended approach for configuring new integrations in Security Validation.

To configure an integration, this document walks you through the following high-level steps:

1. Configure the third-party technology
2. Configure Security Validation
3. Verify connectivity

API Calls

API	Usage
`/api/search/universal/absolute`	Query for events from Graylog
`/api/events/search`	Retrieve a list of alerts from Graylog
`/api/cluster`	Used to test connectivity and authentication settings

Supported Versions

- Graylog 3.3.3
- Graylog 4.2.2

Before You Begin

To configure this integration, you need:

- A valid username and password for a user with permissions to use the API endpoints described in the previous step
- The hostname or IP address of your Graylog instance

Configure Security Validation

1. Go to **Settings** > **Integrations**.
2. From the Integrations table, click **Add Integration > Graylog**.

   

   You can add this as either a Direct or Remote Integration.
3. Enter a meaningful **Integration Name**.
4. Optional: From the **Proxy** drop-down, choose a proxy profile if one is available. If one isn't available and all outbound connections go through a proxy, first, set up a **Proxy Rule** (https://docs.mandiant.com/home/msv-proxy-

rules).

5. For the **Host**, change the value if needed. The default is **https://api.us-west.exabeam.cloud**.
6. Enter a **Port** value. The default is **443**.
7. Change the **HttpProtocols** to use for requests. (**Https** or **Http**.)
8. Enter the **Username** and **Password** for a user with permissions to use the API endpoints.
9. Optional: Check **Verify Ssl** if you want this verification done for requests to an upstream server.
10. Optional: Change the **Timeout** value if you want a different frequency of requests to an upstream server. The default is **30** (seconds).
11. Optional: Change the value for **Page Size** (default **500**) if needed.
12. Optional: Add or remove **Queries**, as needed. Defaults are provided for IP addresses, domains, and so on.
13. Optional: Modify the **Field Map** values, as necessary.

    - Each field map box can hold a JSON-formatted comma-separated list of columns returned by the API to be considered for each field when translating into the normalized event object format. Example: description could be configured to be 'msg_s' or 'SyslogMessage' in some environments. The field map tries both if set to: ['msg_s','SyslogMessage'] and whichever matches first is the column that is used.
    - When configuring an integration in Security Validation, you can assign additional host values in the Field Map settings. If none of the assigned fields return a valid host name, Network Actions may miss matched events from the third-party technology. Additional hosts values helps ensure the likelihood of a match between the two environments.

14. Optional: Expand **Advanced options** and update the information as necessary.
    a. Update **Query Time** and **Delay Time**.

    The **Query time** is the amount of time (minutes) before and after the query runs that the platform looks for events, while the **Delay time** is the amount of time (minutes) that the platform waits to run the first query after a Job Action starts. For example, you configure your integration with the following values: **Query time** = 5, **Query interval** = 30 seconds, and **Delay time** = 0. When a Job Actions starts at 12:00:00, the first time the query runs, the platform looks for events from 11:55:00 to 12:00:00. Then 30 seconds later, it looks for events from 11:55:30 to 12:00:30. This interval continues, with the last query looking from 12:00:00 to 12:05:00. If you instead configured the **Delay time** to equal 10, it would run the same query, but it wouldn't start that query until 12:10:00.

    If your monitors are set to run more frequently than the query time, this configuration impacts the pass/fail results for AEDA monitors.

    b. Update **Query Interval** (seconds).
    c. Configure correlation queries:
        i. Select **Correlation Query Enabled** and fill in the **Correlation Query**.
        ii. Modify the **Correlation Query Interval**, if necessary (minutes).
    d. Select **Discover network devices automatically**, the default and recommended option.

    If unselected, reported events won't include product information for any matching network security technology.

    e. Select **Save Suspicious Events**.
    f. Modify the **Event Time Adjustment** (seconds). The default is **0**.

g. Modify the **Limit** value if you need to prevent a flood of results. This value is set to **10000** by default. This limit applies to both events and alerts individually, so if you set it to **10**, you can still see a maximum of 10 events and 10 alerts.

15. Click **Save**.

Verify connectivity

1. Go to **Settings > Integrations**.
2. From the Direct Integrations table, click ⋮ **> Test** to verify that:
   - The Director can communicate with the integration host on the port and protocol specified.
   - The integration credentials are valid and working.

For more information on setting up queries, see **Manage Integrations** (https://docs.mandiant.com/home/msv-managing-integrations).

Configure Legacy Integration

> This document applies to Classic/Legacy Integrations. You may continue to use these integration configurations. While no active development is happening for these integrations, we continue to provide Classic/Legacy Integrations in the product. You do not have to move to MSI Integrations. If your support engineer or TSC recommends or you choose to move to MSI Integrations, you can take advantage of the latest features and functionality. For more information, see the MSI Integration documentation in the **Integrations Overview** (https://docs.mandiant.com/home/msv-integrations-overview).

This integration is remote capable.

Update Graylog

Identify or create credentials to access Graylog with read access, at minimum.

API Calls

The following API calls are used by the Validation Platform.

Purpose	Call
Search raw logs	/api/search/universal/absolute
Search alert events	/api/events/search

Due to a limitation in the Graylog API, the Validation Platform alert correlations are only populated by Graylog filter alerts.

Update the Validation Platform

Prerequisites

Information to gather before you start:

- Identify the hostname/IP used to access Graylog.

- Identify the Port used for Graylog communication (this defaults to 443).
- Identify whether the protocol is HTTP or HTTPS for connections to the Graylog port.
- Obtain the username and password of a Graylog account with appropriate access permissions.

Configuration

TO ADD THE GRAYLOG INTEGRATION

1. Go to **Settings** > **Integrations**.
2. Click **Add Integration** > **Graylog**.

   You can add this as either a Local or Remote Integration.

3. Enter information for the **Host**, **Port**, **Protocol**, **Username** and **Password** or **API Token**.
4. Review and update the **Query**.

   The %ACTOR_IPS% variable can be used in all queries. This improves event matching.

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Graylog Integration

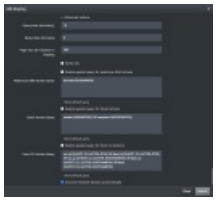
5. Expand **Advanced options**.
6. (Optional) Update **Query time** and **Delay time**.

   The **Query time** is the amount of time (minutes) before and after the query runs that the platform looks for events, while the **Delay time** is the amount of time (minutes) that the platform waits to run the first query after a Job Action starts. For example, you configure your integration with the following values: **Query time** = 5, **Query interval** = 30 seconds, and **Delay time** = 0. When a Job Actions starts at 12:00:00, the first time the query runs, the platform looks for events from 11:55:00 to 12:00:00. Then 30 seconds later, it looks for events from 11:55:30 to 12:00:30. This interval continues, with the last query looking from 12:00:00 to 12:05:00. If you instead configured the **Delay time** to equal 10, it would run the same query, but it wouldn't start that query until 12:10:00.

   If your monitors are set to run more frequently than the query time, this configuration impacts the pass/fail results for AEDA monitors.

7. (Optional) Select **Enable query for Malicious DNS Actions** and configure the **Query**. This query will only be used when you run Malicious DNS Actions or Captive DNS Actions.
8. (Optional) Select **Enable query for Email Actions** and configure the **Query**. This query will only be used when you run Email Actions.
9. (Optional) Select **Enable query for Host CLI Actions** and configure the **Query**. This query will only be used when you run Host CLI Actions.

> If you enable the Host CLI Actions query and use the %HOST_CLI_ACTOR_HOSTNAMES% variable, the platform will substitute the plain hostname and the information from the Alternate Hostname field on the Actor configuration page.



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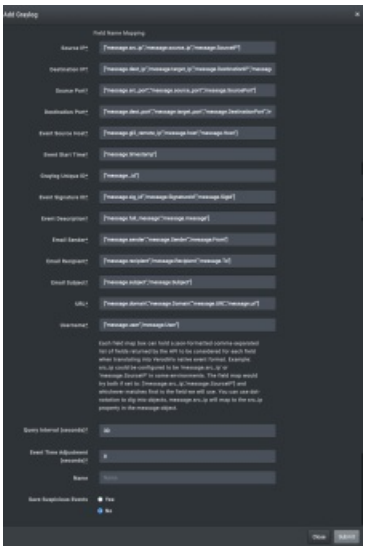
Graylog Integration (Advanced Options)

10. Identify the field name mappings for the following (there could be multiple of each, depending on log sources and configuration):
    - Source IP
    - Destination IP
    - Source Port
    - Destination Port
    - Event Source Host
    - Event Start Time (timestamp)
    - Graylog Unique ID
    - Event Signature ID
    - Event Description
    - Email Sender
    - Email Recipient
    - Email Subject
    - URL
    - Username
11. Modify the **Query Interval** and **Event Time Adjustment**, if necessary.
12. (Optional) Assign a **Name**.
13. (Optional) Choose **Yes** to save suspicious events.
14. Click **Submit**.



Graylog Integration (Advanced Options)

Set up Proxy Assignment

If all outbound connections go through a proxy, you may want to set up a proxy definition and assignment for your integration. For information on setting up your proxy rules, see **Proxy Rules (https://docs.mandiant.com/home/msv-proxy-rules)**.

Verify connectivity

TO VERIFY CONNECTIVITY TO GRAYLOG

Click **Test** to verify that:

- The Director can communicate with the integration host on the port and protocol specified.
- The integration credentials are valid and working.