Mandiant

SYMANTEC ENDPOINT PROTECTION INTEGRATION WITH SECURITY VALIDATION

This integration collects events generated by Symantec Endpoint Protection to test the efficacy and configuration of the security control 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.

API Calls

API	Usage
`/Reporting/login/Login_verify.php`	Authenticate against the Symantec EP Reporting API
`/Reporting/reports/action_summary_infected.php`	Retrieve reports from the Symantec EP Reporting API

Supported Versions

14.3

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 Symantec EP instance

Configure Security Validation

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

   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. Change the **HttpProtocols** to use for requests. (**Https** or **Http**.)
6. For the **Host**, enter the hostname of your Symantec Endpoint Protection instance.
7. Enter a **Port** value. The default is **8445**.
8. Enter the **Username** and **Password** for the account 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: Modify the **Report Types** entries, if needed. Default values are provided.
12. 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.

13. 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. Select **Correlation Query Enabled** and fill in the **Correlation Query**.
    d. Modify the **Correlation Query Interval**, if necessary (minutes).
    e. 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.

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

14. 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

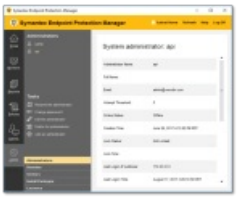
> This document applies to Classic/Legacy Integrations. You may continue to use these integration configurations. While no active development is happening for these integrations, we continue to provide Classic/Legacy Integrations in the product. You do not have to move to MSI Integrations. If your support 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 can match events based on file hashes.

Update Symantec EP

TO UPDATE SYMANTEC EP

1. Log in to the Symantec Endpoint Protection Manager.
2. Create an admin user.
    a. Click **Admin** in the left-hand pane and select **Add an administrator**.



(https://dyzz9obi78pm5.cloudfront.net/app/image/id/629a12d7c9cba0017c2f7dd8/n/symantec-ep-1a.png)

Create Symantec Endpoint Protection administrator

    b. In the General tab, enter a **User name**, **Full name**, and **Email address**.

(https://dyzz9obi78pm5.cloudfront.net/app/image/id/629a12e8c9cba0017c2f7e84/n/symantec-ep-1.png)

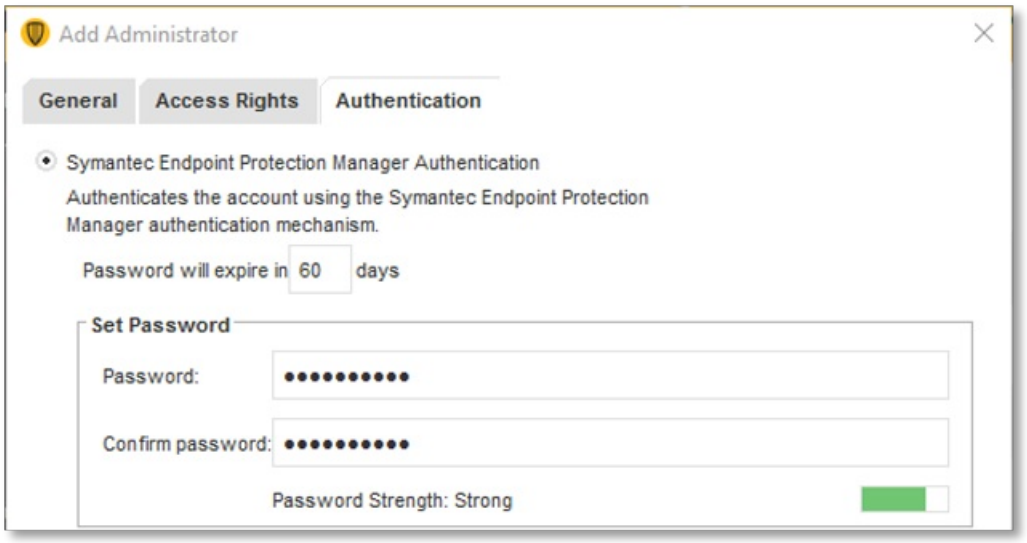
Enter Administrator information

    c. In the Access Permissions tab, select **System Administrator**.

(https://dyzz9obi78pm5.cloudfront.net/app/image/id/629a12e5c9cba0017c2f7e6f/n/symantec-ep-2.png)

Add Administrator

d. On the Authentication tab, choose **Symantec Endpoint Protection Manager Authentication** and set a password. You may want to increase the password expiration time for this account (depending on your policy requirements for integration/service accounts).



Set Administrator password

e. Click **Save** to create the account.

If you're using Active Directory to authenticate your API user, the username must be specified in a non-standard manner:

- `<Username>:<Active_Directory_Domain_In_Upper_Case>`
  or
  `<Role>\<Username>:<Active_Directory_Domain_In_Upper_Case>`
- Examples: `svc-verodin:ACME.COM OR api-user\svc-verodin:ACME.COM`
- Reference: https://www.symantec.com/connect/forums/ad-user-authentication-dlp-reporting-and-updating-api#comment-8394101

Syncronize Systems

Mandiant

Time plays an important part in event matching when tests are run. After you update SEP, verify the following systems are all using the same time: the endpoint, the Validation Platform Director, the Windows system running SEP Manager (SEPM), and real time.

Update the Validation Platform

Prerequisites

Information to gather before you start:

1. Identify the IP address or hostname used to access Symantec Endpoint Protection.
2. Identify the port for Symantec Endpoint Protection communications (typically 8445).
3. Identify or create credentials to access Symantec Endpoint Protection.

Configuration

TO ADD THE SYMANTEC EP INTEGRATION

1. Go to **Settings** > **Integrations**.
2. Click **Add Integration** > **Symantec EP**.
3. Enter information for the **Host**, **Port**, **Username**, and **Password**.
4. Expand **Advanced options**.
5. (Optional) Update **Query time** and **Delay time**.

   The **Query time** is the amount of time (minutes) before and after the query runs that the looks for events, while the **Delay time** is the amount of time (minutes) that the platform waits to run the query after a Job Action. 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, it will impact the pass/fail results for AEDA monitors.

6. Verify that the correct **Version** is selected. Authentication may fail if the incorrect version is selected.
7. Select the **Timestamp Format**.
8. Modify the **Query Interval**, if necessary.
9. Modify the **Event Time Adjustment**.

   The timestamp retrieved from SEPM is not the time the event occurred on the host but is the time that SEPM received the event from the Symantec agent running on the host. The time difference varies from environment to environment, so you need to adjust the Event Time Adjustment field to account for the change in your environment. We have seen -12 work in many environments, but there is not a one-size-fits all value for it.

10. (Optional) Assign a **Name**.
11. (Optional) Choose **Yes** to save suspicious events.
12. Click **Submit**.

(https://dyzz9obi78pm5.cloudfront.net/app/image/id/629a12ddc9cba0017c2f7e14/n/symantec-ep.png)

Symantec Endpoint Protection Integration

Verify connectivity

TO VERIFY CONNECTIVITY TO SYMANTEC EP

Click **Test** to verify that:

- The Director can communicate with Symantec EP using the port specified.
- User credentials are working.