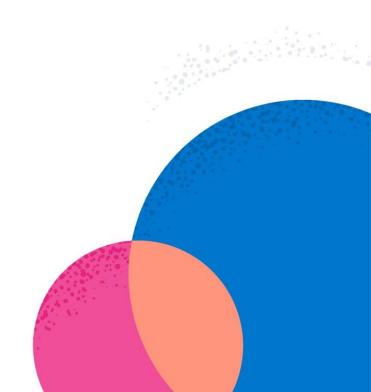


Search, Observe, Protect,

# Leverage System Protection With Elastic Security

elastic.co



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## **INTRODUCTION**

Kibana is your window into the Elastic Stack. Kibana enables you to:

- Analyze and visualize your data. Search for hidden insights, compile a dashboard of charts, gauges, maps and other visualizations that show what you found, and share it with others.
- Search, observe, and protect your data. Add a search box to your app or website, analyze logs metrics, and find security vulnerabilities.
- Manage, monitor, and secure the Elastic Stack. Manage your indices and ingest pipelines, monitor the health of your Elastic Stack cluster, and control which users have access to which features and data.

In these labs, you will learn how to add data security, how to prevent attack, and manage endpoint.



### CREATING A DEPLOYMENT

You will start by creating a deployment on Elastic Cloud. Next you will access Kibana, and load the data from your environment.

### **Creating a cloud deployment**

- 1. Go to cloud.elastic.co
- 2. Click Sign up.
- 3. Enter your email and choose a password.
- 4. Click **Start free trial**. This brings you to the Cloud console. Here, you can create a deployment to start a 14-day free trial.
- 5. Enter a name for the deployment, for example security—workshop.
- 6. Leave the other settings to their default values and click **Create deployment**. It will take a few minutes for the Elastic Stack to initialize.
- 7. You won't need the password that's shown to you. You will use your Elastic Cloud account to access Kibana. Click **Skip**.
- 8. Wait a couple of minutes and click Continue when the button turns blue. This brings you to the Kibana home.

### **Getting to know Kibana**

Click the menu button in the top left (it looks like three horizontal lines). This button opens Kibana's main menu. This menu has five sections:

- Analytics, where you find the tools to analyze and visualize the data.
- Enterprise Search, Observability, and Security, the homes for the three Elastic solutions.
- Management, where you can manage your deployment.

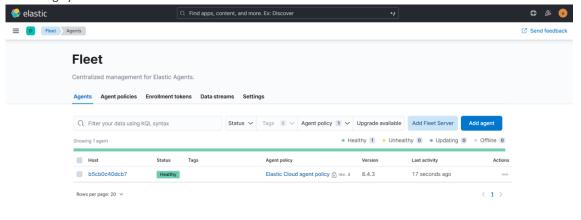
We will focus on the **Security and Management**.



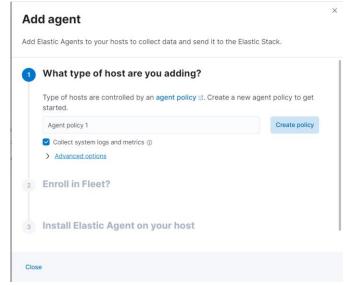
### ADD DATA WITH FLEET AND ELASTIC AGENT

Let's get started install Elastic Agent in local computer.

- 1. Open the main menu by clicking the menu button located at the top left. Select **Fleet** from the **Management** section.
- 2. This brings you to the Fleet view:

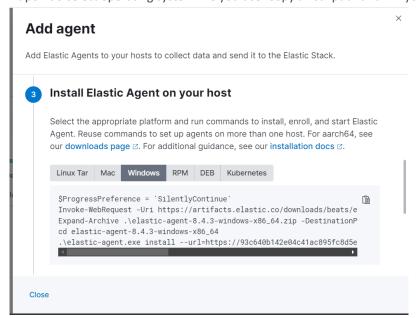


- 3. Select the Add agent to add elastic agent.
- 4. By default, you can chose add new policy or use existing. For first time set name policy and select **Create policy**.

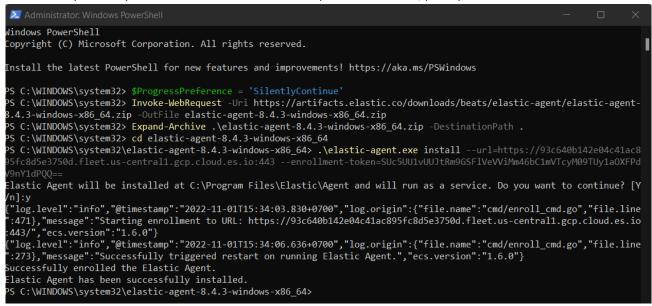




5. At point 3 select operating system like you use. Copy all script and run in your computer.

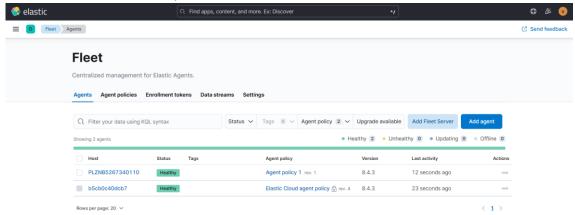


6. In Windows you can open Power shell and run it. If show question continues, press y and enter. Wait until finish.

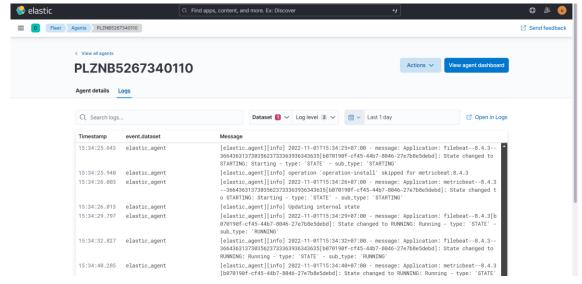




7. You will see hostname the computer at list fleet.



8. At fleet select **hostname** and select **Logs** tab for make sure the logs send to Elasticsearch.

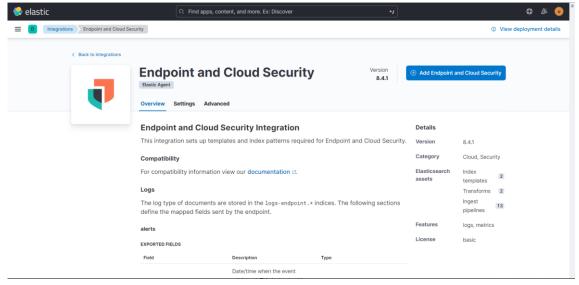




9. Back to fleet select Agent policy 1 and select Add integration.

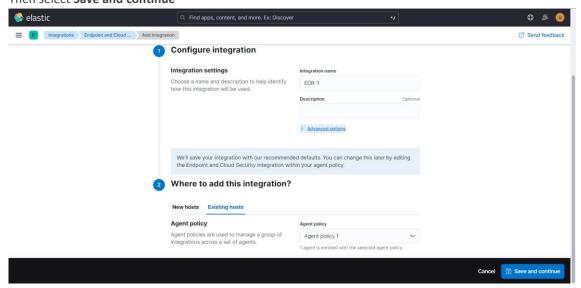


10. Select Endpoint and Cloud Security and select Add Endpoint and Cloud Security.





11. At integration name set name like picture and make sure Agent policy use existing policy. Then select **Save and continue** 



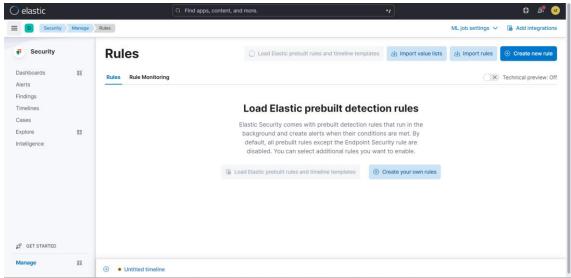
12. List policy will show Endpoint and Cloud Security.



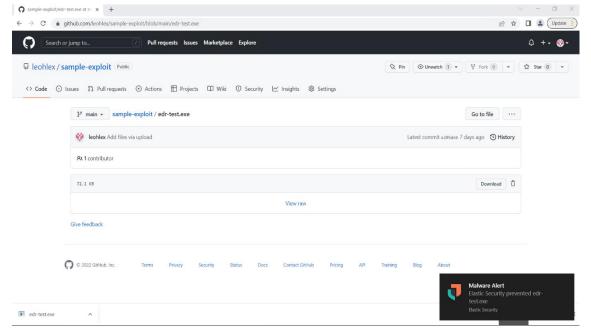
### PREVENT ATTACK TEST

Let's try Endpoint Security to detect some file infected.

1. Open Kibana select menu security and sub menu alert, then manage rule. Select **Load Elastic prebuilt rules and timeline templates.** 



- 2. Open in browser this link and download the file.
  - https://github.com/leohlex/sample-exploit/blob/main/edr-test.exe
- 3. After download Elastic Endpoint security will terminate and send information about the proses to Elasticsearch and we can see in Kibana.

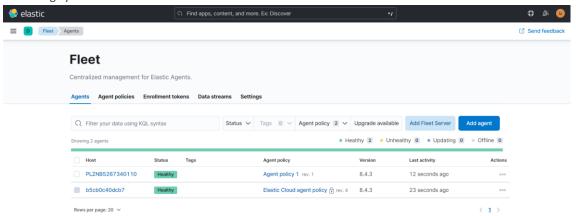




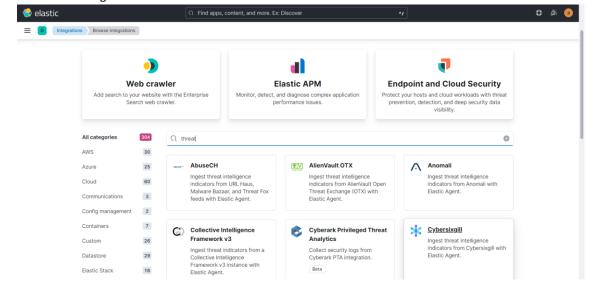
### ADD DATA THREAT INTELLEGENT

Let's add some data from Threat Intelligent for more enrich information and analytic.

- 1. Open the main menu by clicking the menu button located at the top left. Select **Fleet** from the **Management** section.
- 2. This brings you to the Fleet view:

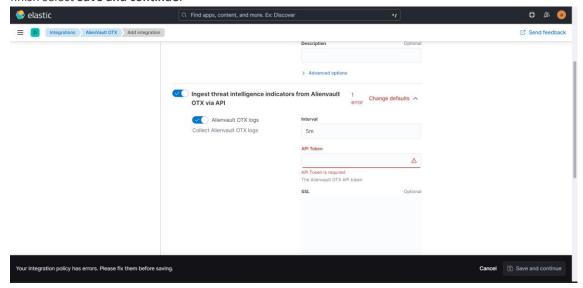


- 3. Select the **Agent policy 1** to add Threat Intelligent.
- 4. Select Add Integration then search Threat and select AlienVault OTX.

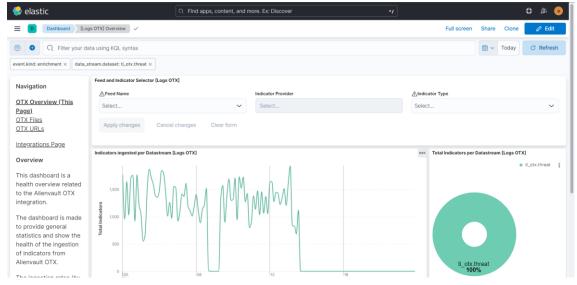




5. Select **Add AlienVault OTX** put required value like Name, API Token, and set Policy for put integration. After finish select **Save and continue**.



6. Cek data already pump to elasticsearch. Go to Dashboard, search and select OTX Overview.



### Version: 8.x

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