

Practice - Alerts

In this demonstration, we will create an alert rule.

Create an alert rule

1. In Azure portal, click on **Monitor**. The Monitor blade consolidates all your monitoring settings and data in one view.
2. Click **Alerts** then click **+ New alert rule**. As most resource blades also have Alerts in their resource menu under Monitoring, you could create alerts from there as well.

Explore alert targets

1. Click **Select** under Target, to select a target resource that you want to alert on. Use **Subscription** and **Resource type** drop-downs to find the resource you want to monitor. You can also use the search bar to find your resource.
2. If the selected resource has metrics you can create alerts on, Available signals on the bottom right will include metrics. You can view the full list of resource types supported for metric alerts in this article.
3. Click **Done** when you have made your selection.

Explore alert conditions

1. Once you have selected a target resource, click on **Add condition**.
2. You will see a list of signals supported for the resource, select the metric you want to create an alert on.
3. Optionally, refine the metric by adjusting Period and Aggregation. If the metric has dimensions, you will see the Dimensions table presented.
4. You will see a chart for the metric for the last 6 hours. Adjust the **Show history** drop-down.
5. Define the **Alert logic**. This will determine the logic which the metric alert rule will evaluate.
6. If you are using a static threshold, the metric chart can help determine what might be a reasonable threshold. If you are using a Dynamic Thresholds, the metric chart will display the calculated thresholds based on recent data.
7. Click **Done**.
8. Optionally, add another criteria if you want to monitor a complex alert rule.

Explore alert details

1. Fill in Alert details like **Alert Rule Name**, **Description** and **Severity**.
2. Add an action group to the alert either by selecting an existing action group or creating a new action group.

3. Click **Done** to save the metric alert rule.

Practice – Visualize Data

Log Analytics dashboards can visualize all your saved log searches, giving you the ability to find, correlate, and share IT operational data in the organization. This practice covers creating a log search that will be used to support a shared dashboard that will be accessed by your IT operations support team.

Take a few minutes to try the [Create and share dashboards of Log Analytics data tutorial](#). You learn how to:

- Create a shared dashboard in the Azure portal.
- Visualize a performance log search.
- Add a log search to a shared dashboard.
- Customize a tile in a shared dashboard.

In this tutorial, you learned how to create a dashboard in the Azure portal and add a log search to it. In the next tutorial you will learn the different responses you can implement based on log search results.

Practice alert on data

Azure Alerts automatically runs specified log queries at regular intervals. If the results of the log query match your criteria, then an alert record is created.

Take a few minutes to try the [Respond to events with Azure Monitor Alerts](#) tutorial. You learn how to:

- Create an alert rule.
- Configure an Action Group to send an e-mail notification.

In this tutorial, you learned to create an alert based on your Log Analytics workspace and then defined a custom log search. You then activated your alert and created an Action Group to send an email notification each time the alert is triggered.

Practice – Collect and Analyze Data

This is a two part practice. In the first practice, you will collect performance data from virtual machines. In the second practice, you will create and edit queries to analyze the data.

Part 1

Take a few minutes to try the [Collect data about Azure Virtual Machines](#) QuickStart. In this QuickStart, you learn how to:

- Create a workspace.
- Enable Log Analytics on virtual machines.
- Collect event and performance data.
- View the data collected.

Part 2

Take a few minutes to try the [View or analyze data collected with Log Analytics](#) log search tutorial. In this tutorial, you learn how to:

- Perform a simple search of event data and use features to modify and filter the results.
- Learn how to work with performance data.

In the next tutorial you will learn how to visualize the data by creating a dashboard.

For more information, you can see:

Writing a query - <https://docs.microsoft.com/en-us/azure/log-analytics/log-analytics-log-search#writing-a-query>

Practice – Log Analytics Queries

Take a few minutes to access the Log Analytics Querying Demonstration page. This page provides a live demonstration workspace where you can run and test queries. Some of the testing queries are:

- See the volume of data collected in the last 24 hours in intervals of 30 minutes.
- Chart the distribution of billable data by type, over the last 24 hours.
- Find out which computers were alive in the past 2 days but haven't sent any data in the last 6 hours.

The reference link has additional queries you can try. Is there a specific query that will help with your day to day tasks?

For more information, you can see:

Getting Started with the Analytics Portal -

<https://portal.loganalytics.io/demo#/discover/home>

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