


Configure a threshold alert

Published: 2024-04-02

Configure a threshold alert to monitor when a specific metric crosses a defined boundary. For example, you can generate an alert when an HTTP 500 status code is observed more than 100 times during a ten minute period.

Before you begin

You must have **full write privileges** or higher.

1. Log in to the ExtraHop system through `https://<extrahop-hostname-or-IP-address>`.
2. Click the System Settings icon  and then click **Alerts**.
3. Click **Create**.
4. Type a unique name for the alert configuration in the **Name** field.
5. In the **Description** field, add information about the alert.



Tip: Alert descriptions support Markdown, which is a simple formatting syntax that converts plain text into HTML. For more information, see the [Alerts FAQ](#).

6. In the **Alert Type** section, click **Threshold Alert**.
7. In the **Assigned Sources** field, type the name of a device, device group, or application and then select from the search results.
To search for a site, flow network, or flow interface, select that source type from the drop-down menu at the top of the search results.
8. Optional: Click **Add Source** to assign the alert to multiple sources. Multiple sources must be of the same type, such as only devices and device groups or only applications.

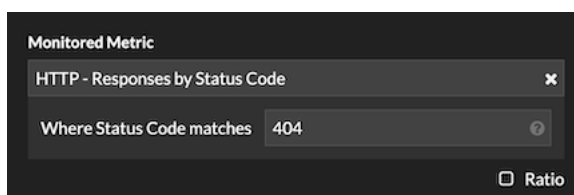


Tip: Assign an alert to a device group to efficiently manage assignments to multiple devices.

9. In the **Monitored Metric** field, type the name of a metric and then select from the search results.
The metric must be compatible with the assigned sources. For example, if you assign the alert to an application, you cannot select a device metric.



Note: If you select a [detail metric](#), you can specify a key value. For example, you might select HTTP - Responses by Status Code and then specify 404 as the key value. An alert is generated only when HTTP responses with 404 status codes occur.



10. Optional: To monitor the value of a metric divided by a secondary metric, click **Ratio** and then select a secondary metric.
For example, you can monitor the percentage of HTTP errors occurring on responses by dividing HTTP response errors by HTTP responses.

Monitored Metric

HTTP Server - Errors

divided by

HTTP Server - Responses

☒ Ratio

11. In the Alert Condition section, specify conditions for generating an alert.

Metric Calculation

Alert Condition

Alert when Count is

Operator

≥

Metric Value

300

Time Interval

during a 5m rollup

a) Select a metric calculation to specify how to calculate the metric value within the time interval. The options available depend on the data type.


Count	<ul style="list-style-type: none">CountRate per secondRate per minuteRate per hour
Dataset	<ul style="list-style-type: none">Minimum25th percentileMedian75th percentileMaximum
Sampleset	<ul style="list-style-type: none">Mean+1 to +7 standard deviations-1 to -7 standard deviations
Maximum, Snapshot	No measurement; the operator compares the actual metric value.

- b) Select an operator to specify how to compare the metric calculation to the metric value.
- c) Specify the metric value to be compared to the metric calculation.
- d) Select the time interval over which the metric value is observed and metric data is aggregated, or rolled up. You can select a time interval from 30 seconds up to 30 minutes.

For example, to generate an alert when more than 300 HTTP response errors occur within 5 minutes, specify the following conditions:

- Metric Calculation: Count
- Operator: >
- Metric Value: 300
- Time Interval: 5m rollup

12. Optional: In the Notifications section, **add an email notification to an alert** to receive emails or SNMP traps when an alert is generated.

13. In the Status section, click an option to enable or disable the alert.
14. Optional: [Add an exclusion interval](#)  to suppress alerts during specific times.
15. Click **Save**.