


# Configure a threshold alert

Published: 2020-02-23

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

1. Log into the Web UI on a Discover or Command appliance.
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 wire network, 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.

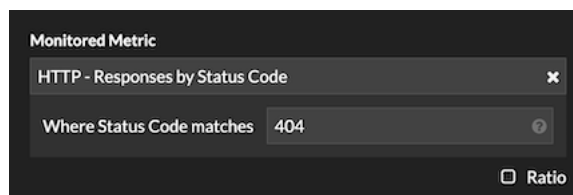


**Tip:** Assign an alert to a device group to efficiently manage assignments to multiple devices.

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.

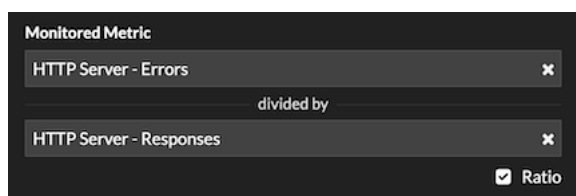


**Note:** If you select a [detail metric](#), you can specify a key value. For example, you might select HTTP - Responses by Status Code and then specify 404 as the key value. An alert is generated only when HTTP responses with 404 status codes occur.

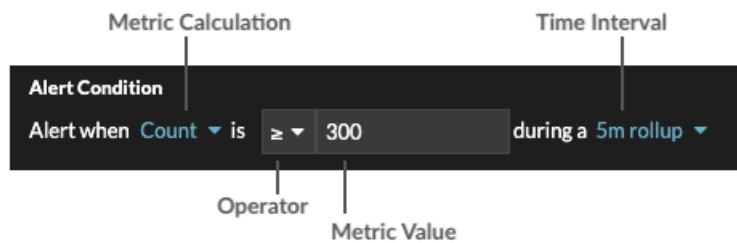


10. Optional: To monitor the value of a metric divided by a secondary metric, click **Ratio** and then select a secondary metric.

For example, you can monitor the percentage of HTTP errors occurring on responses by dividing HTTP response errors by HTTP responses.



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



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"> <li>Count</li> <li>Rate per second</li> <li>Rate per minute</li> <li>Rate per hour</li> </ul>
Dataset	<ul style="list-style-type: none"> <li>Minimum</li> <li>25th percentile</li> <li>Median</li> <li>75th percentile</li> <li>Maximum</li> </ul>
Sampleset	<ul style="list-style-type: none"> <li>Mean</li> <li>+1 to +7 standard deviations</li> <li>-1 to -7 standard deviations</li> </ul>
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**.