

Configure an alert to track a custom metric


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You can configure a threshold or trend alert to track a custom metric.

For top-level (or base) metrics, you can create an alert for any metric type—count, dataset, or sampleset. However, for detail metrics, you can only create an alert for the count metric type.

Before you begin

You can manually [create a custom metric through the Web UI](#), or you can [write a trigger to create a custom metric](#).

1. Log into the Web UI on the ExtraHop Discover or Command appliance.
2. Click the System Settings icon  and then click **Metric Catalog**.
3. Find the custom metric you want to track and note the following fields from the Parameters section:
 - Metric
 - Source Type
 - Metric Type
 - Type

Parameters 


Source

Metric


Source Type

Metric Type

Type Base Metric Detail Metric

4. Close the Metric Catalog, click the System Settings icon , and then click **Alerts**.
5. Click **New** to open the Alert Configuration window.
6. In the Name field, type a unique name for the alert.
7. From the Alert Type options, select the type of alert that you want to configure.

Option	Description
Threshold	Threshold-based alerts are generated when a monitored metric crosses a defined value in a time period. You can specify a top-level or a detail metric as the threshold.
Trend	Trend-based alerts are generated when a monitored metric deviates from the normal trends observed by the system.

 **Note:** You cannot configure a detection alert to track a specific metric.

8. For Threshold alerts, from the Detail options, select the type of metric that corresponds to the **Type** field that you noted previously from the Metric Catalog. (Skip this step for Trend alerts.)

Option	Description
Top-level	Specifies a top-level (or base) metric, such as an HTTP response or DNS request.
Detail	Specifies a detail metric, such as the URI of an HTTP response.

9. Click the Select metric icon and complete the following steps to find the custom metric that you want to track with this alert. These entries must correspond to the information you noted previously about this custom metric from the Metric Catalog.
 - a) Click the arrow next to any source from the list to expand the entries. This selection corresponds to the Source Type field in the Metric Catalog.
 - b) Click the arrow next to custom to expand the list and then click a metric type. This selection corresponds to the Metric Type field in the Metric Catalog. For example, if the entry in the Metric Catalog is Count, click **custom_count** in the list.
 - c) In the **Key pattern** field, type the name of the custom metric. This entry must match the Metric field in the Metric Catalog.

The completed selection will look similar to the following

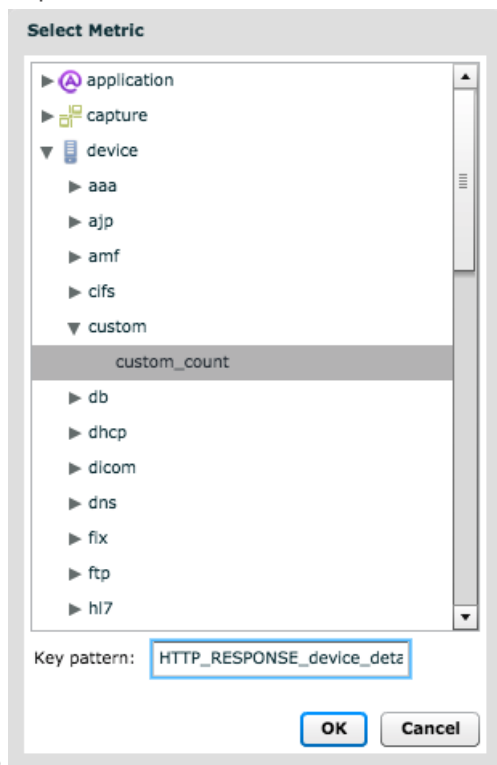
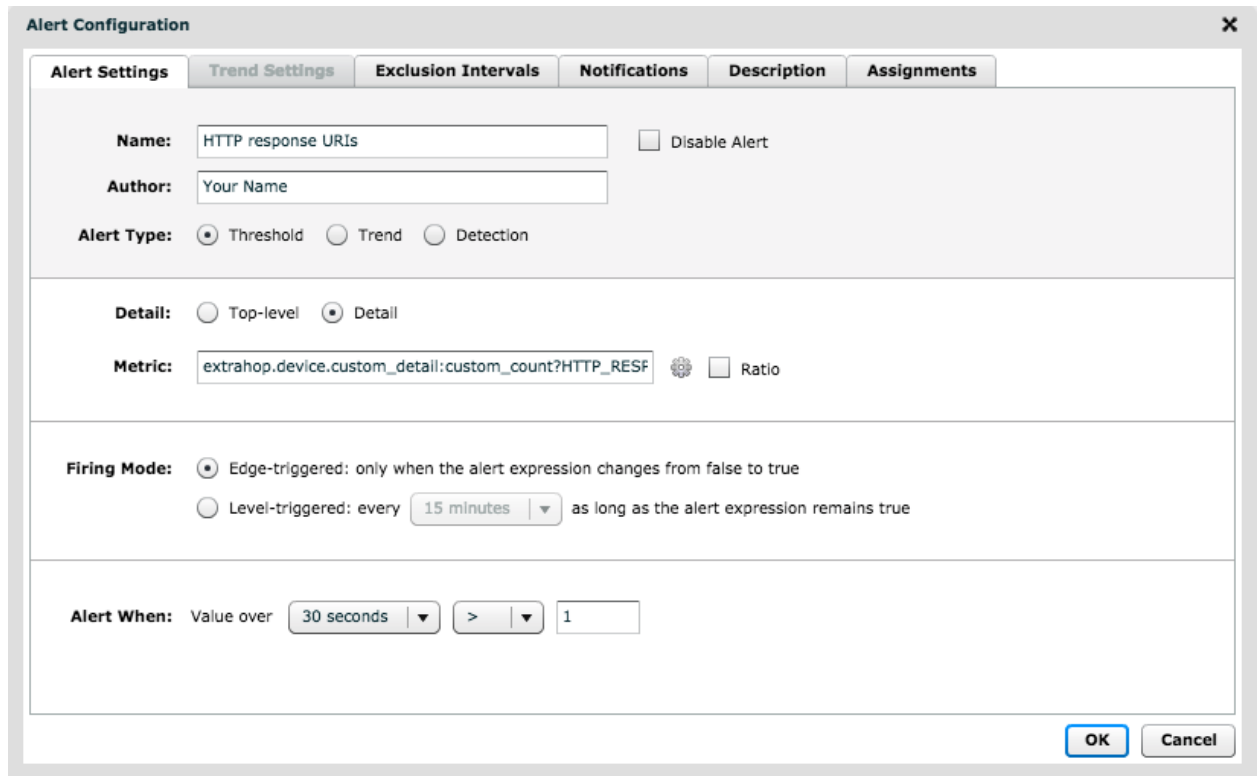


figure.

- d) Click **OK**.
10. From the Firing Mode options, select the mode that indicates when to generate an alert.

Option	Description
Edge-triggered	An edge-triggered alert is generated only once when the alert conditions are true. The alert is generated again only if conditions are true after the metric value has returned to normal conditions twice.
Level-triggered	A level-triggered alert is generated continuously while the alert conditions are true for the specified time period.

11. From the Alert When options, configure the alert expression that specifies when to issue an alert. Alert expression options differ by alert type. For more information, see the following topics:
 - [Configure threshold alert settings](#)
 - [Configure trend alert settings](#)
12. Click **OK**.



Alert Configuration

Alert Settings | Trend Settings | Exclusion Intervals | Notifications | Description | Assignments

Name: Disable Alert

Author:

Alert Type: Threshold Trend Detection

Detail: Top-level Detail

Metric: Ratio

Firing Mode: Edge-triggered: only when the alert expression changes from false to true
 Level-triggered: every as long as the alert expression remains true

Alert When: Value over

OK **Cancel**

Next steps

- Alerts cannot be generated until you [assign an alert configuration to a source](#).
- [Assign an exclusion interval to an alert](#) to suppress alerts during specific times.
- [Add a notification to an alert configuration](#) to receive emails or SNMP traps when an alert is generated.