Threshold

A severity of a particular type is trigged whenever the returned value from the check is higher than the configured threshold, the **baseline**.

The notification threshold / baseline can be defined in several ways.

Settings

Setting	Description
Method	`Constant` / `Average` / `Median` / `Deviation`
Percentage	Percentage threshold based on the calculated value.
Deviation	Number of standard deviations
Period	Time period for historical results to include in the calculation.
Offset	Constant to add to the calculated value.

Calculations

Static calculations uses a **constant** threshold value.

Dynamic methods calculate the threshold value on the fly, based on a combination of the **type** (percentage or deviation), the **method** (average, median, deviation), the **period** (time frame for historical data to use), and **offset** which is added to the calculated value.

Method	Calculation	Type	Example
Constant	A fixed value.	Static	25
Average	Average.	Dynamic	120% of the `average` returned value for the last 2 hours + offset 50.
Median	Median.	Dynamic	120% of the `median` value for the last 2 hours + offset 50.
Deviation	Standard deviation.	Dynamic	`2 standard deviations + average` value for the last 2 hours + offset 50.