

title: Alerts Overview description: Threshold, anomaly, and heartbeat alerts for your logs, infrastructure and user-experience metrics with email notifications and various 3rd party integrations and notification hooks such as PagerDuty, Slack and more

Alerts are used to notify you when one or more predefined conditions in your *metrics*, *logs* or *experience* data are met.

For example, you might want to be notified when available disk space reaches a certain threshold - *metrics alert*, or when the number of logs with **severity: warning** gets too high - *logs alert*, or when your users start experiencing high response time - *experience alert*.

Alert Types

Sematext Cloud includes multiple **types** of alerts that integrate with PagerDuty, Slack, email, and other 3rd party services.

1. **Threshold** alerts are the classic threshold based alerts. They are triggered when a certain pre-defined threshold is met.
2. **Anomaly** alerts are based on statistical anomaly detection. They are triggered when values suddenly change and deviate from the continuously computed baseline.
3. **Heartbeat** alerts are triggered when Sematext Cloud stops receiving data from your server, container, application, etc.

Alert Sources

Alerts can operate on three different **sources** of data:

1. **Metrics** alerts work with infrastructure metrics
2. **Logs** alerts are based on various types of logs
3. **Experience** alerts are concerned with *real user monitoring* data - RUM

Alert type	Metrics	Logs	Experience
Threshold	yes	yes	yes
Anomaly	yes	yes	yes
Heartbeat	yes	no	no

You can manage Alert rules interactively via the UI, or you can manage alerts via the API.