

Grafana managed alerts

Clustering

The current alerting system doesn't support high availability. Alert notifications are not deduplicated and load balancing is not supported between instances; for example, silences from one instance will not appear in the other.

Alert evaluation

Grafana managed alerts are evaluated by the Grafana backend. Rule evaluations are scheduled, according to the alert rule configuration, and queries are evaluated by an engine that is part of core Grafana.

Alerting rules can only query backend data sources with alerting enabled:

- builtin or developed and maintained by grafana: **Graphite, Prometheus, Loki, InfluxDB, Elasticsearch, Google Cloud Monitoring, Cloudwatch, Azure Monitor, MySQL, PostgreSQL, MSSQL, OpenTSDB, Oracle, and Azure Data Explorer**
- any community backend data sources with alerting enabled (**backend** and **alerting** properties are set in the [plugin.json]({{< relref “../developmenters/plugins/metadata.md” >}}))

Metrics from the alerting engine

The alerting engine publishes some internal metrics about itself. You can read more about how Grafana publishes [internal metrics]({{< relref “../administration/view-server/internal-metrics.md” >}}). See also, [View alert rules and their current state]({{< relref “../alerting/old-alerting/view-alerts.md” >}}).

Metric Name	Type	Description
alerting.alerts	gauge	How many alerts by state
alerting.request_duration_histogram	histogram	Diagram of requests to the Alerting API
alerting.active_configurations	gauge	The number of active, non default alertmanager configurations for grafana managed alerts

Metric Name	Type	Description
alerting.rule_evaluation_total	counter	The total number of rule evaluations
alerting.rule_evaluation_failures_total	counter	The number of rule evaluation failures
alerting.rule_evaluation_duration_seconds	timer	The time taken to execute a rule
alerting.rule_group_size	gauge	The number of rules