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Telemetry Service Private Edition Guide

No results metrics and alerts

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Find the metrics Telemetry Service exposes and the alerts defined for Telemetry Service.

Related documentation:

-
-
-

RSS:

- [For private edition](#)

| Service | CRD or annotations? | Port | Endpoint/Selector | Metrics update interval |
|--|---------------------|------|-------------------|-------------------------|
| Telemetry Service | n/aAnnotations | | /metrics | |
| All the Telemetry Service metrics are standard Kubernetes metrics as delivered by a standard Kubernetes metrics service. | | | | |

See details about:

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Metrics

Use standard Kubernetes metrics, as delivered by a standard Kubernetes metrics service (such as cAdvisor), to monitor the Telemetry Service. For information about standard system metrics to use to monitor services, see System metrics.

The following standard Kubernetes metrics are likely to be most relevant.

| Metric and description | Metric details | Indicator of |
|--|--|-----------------------------|
| container_cpu_usage_seconds_total Cumulative CPU time consumed | Unit: seconds Type: Counter Label: pod="podId" Sample value: 7000 | Monitoring the CPU usage |
| container_fs_reads_bytes_total Cumulative count of bytes read | Unit: bytes Type: Counter Label: pod="podId" Sample value: 900 | Monitoring Filesystem usage |

| Metric and description | Metric details | Indicator of |
|---|--|-----------------------------|
| container_network_receive_bytes_total Cumulative count of bytes received | Unit: bytes Type: Counter Label: pod="podId" Sample value: 3000 | Monitoring incoming network |
| container_network_transmit_bytes_total Cumulative count of bytes transmitted | Unit: bytes Type: Counter Label: pod="podId" Sample value: 5000 | Monitoring outgoing network |
| kube_pod_container_status_ready Describes whether the containers readiness check succeeded. | Unit: integer Type: Gauge Label: pod="podId" Sample value: 2 | Monitoring Healthy pods |
| kube_pod_container_status_restarts_total The number of container restarts per container | Unit: integer Type: Counter Label: pod="podId" Sample value: 0 | Monitoring pod restarts |

Alerts

The following alerts are defined for *No results*.

| Alert | Severity | Description | Based on | Threshold |
|---|----------|---|---|-------------------|
| Telemetry CPU Utilization is Greater Than Threshold | High | Triggered when average CPU usage is more than 60% | node_cpu_seconds_total | >60% |
| Telemetry Memory Usage is Greater Than Threshold | High | Triggered when average memory usage is more than 60% | container_cpu_usage_seconds_total, kube_pod_container_resource_limits_cpu_cores | >60% |
| Telemetry High Network Traffic | High | Triggered when network traffic exceeds 10MB/second for 5 minutes | node_network_transmit_bytes_total, node_network_receive_bytes_total | >10MBps |
| Http Errors Occurrences Exceeded Threshold | High | Triggered when the number of HTTP errors exceeds 500 responses in 5 minutes | telemetry_events{eventName=~"http_error_.*", eventName!="http_error_404"} | >500 in 5 minutes |
| Telemetry Dependency Status | Low | Triggered when there is no connection to one of the dependent | telemetry_dependency_status | |

| Alert | Severity | Description | Based on | Threshold |
|-----------------------------------|----------|---|---------------------------------|-----------|
| | | services - GAuth, Config, Prometheus | | |
| Telemetry Healthy Pod Count Alert | High | Triggered when the number of healthy pods drops to critical level | kube_pod_container_status_ready | |
| Telemetry GAuth Time Alert | High | Triggered when there is no connection to the GAuth service | telemetry_gws_auth_req_time | 1000 |