Telemetry Service Private Edition Guide

No results metrics and alerts

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Contents

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

Related documentation:

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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:

- *No results* metrics
- *No results* alerts

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_request_time	≥ 10000