

# **GENESYS**

This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

Operations

System metrics

## Contents

- 1 Kubernetes and Node metrics
- 2 Kubernetes metrics
- 3 Node metrics

Operations 2

Find useful metrics provided by Kubernetes and other system resources to monitor the status and performance of the cluster and nodes.

#### **Related documentation:**

•

#### RSS:

• For private edition

## Kubernetes and Node metrics

In addition to the service-defined metrics described in the service-level guides (see links here), standard Kubernetes and other system metrics are obviously important for monitoring the status and performance of your cluster(s), nodes, and services.

- · Kubernetes metrics
- Node metrics

### Kubernetes metrics

For full information about all the cluster metrics Kubernetes provides, see the Kubernetes documentation. Genesys recommends that you pay attention to the following cluster-related metrics in particular.

Metric	Prometheus formula	Indicator of
Pod Restarts	increase(kube_pod_container_statu pod=~"\$service.*"})[1m]	s_restarts_total{namespace="\$nam
The cgroup's total memory	sum(container_memory_usage_byt .*", container!=""}) by (pod)	es{namespace="\$namespace",pod= Memory
The cgroup's CPU usage	sum (rate (container_cpu_usage_seconds_total .*", container!="POD"}[1m])) by (pod) * 100	al {pamespace="\$namespace",pod= epoutilization
Bytes transmitted over the network by the container	rate(container_network_transmit_b .*", container!=""}[1m])	ytes_total{namespace="\$namespac
Bytes received over the network by the container	rate(container_network_receive_by .*", container!=""}[1m])	tes_total{namespace="\$namespace

Operations 3

# Node metrics

Genesys recommends that you pay attention to the following node-related metrics in particular.

Metric	<b>Prometheus formula</b>	Indicator of	
Process HEAP All	{SERVICE_NAME}_process_heap_b	yt <del>lde&amp;poxtatu</del> \$\$pod",service="\$servic	e"}
Process CPU All	sum(rate({SERVICE_NAME}_proces * 100) by (pod)	$ss$ cpu seconds total {pod=~"\$pod", $s$	service
Process Memory All: resident memory	{SERVICE_NAME}_process_residen	t_ <b>Mremmony</b> y_bytes{pod=~"\$pod",servi	ce="\$
Process Memory All: virtual memory	{SERVICE_NAME}_process_virtual_	mldemooyybytes{pod=~"\$pod",service	e="\$se

Operations 4