

GENESYS

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Operations

System metrics

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

Related documentation:

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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

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Node metrics

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

Metric	Prometheus formula	Indicator of	
Process HEAP All	{SERVICE_NAME}_process_heap_b	yt lde&poxtatu \$\$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_ Mremmony y_bytes{pod=~"\$pod",servi	ce="\$
Process Memory All: virtual memory	{SERVICE_NAME}_process_virtual_	mldemooyybytes{pod=~"\$pod",service	e="\$se

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