



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

Sample Prometheus queries

Sample Prometheus queries to collect metrics.

Related documentation:

⋮

RSS:

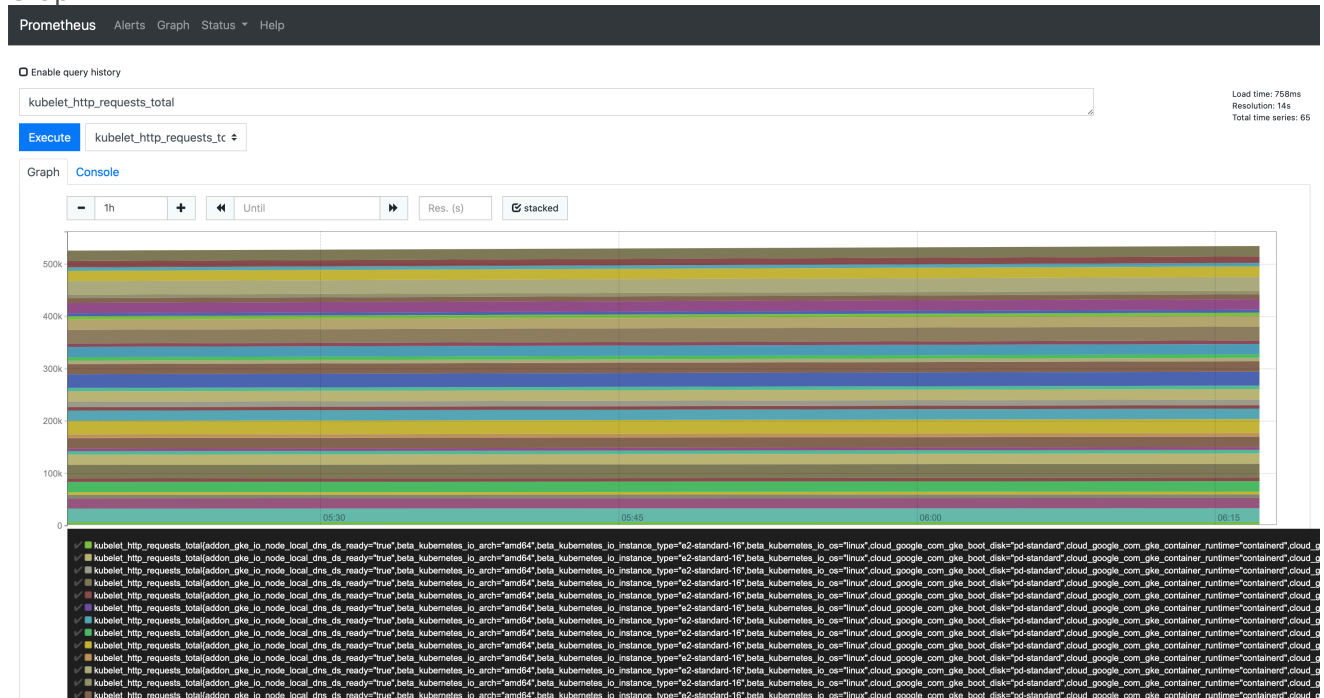
- [For private edition](#)

Here are some sample Prometheus queries to collect metrics. The result of each query in Prometheus can either be shown as a graph or viewed as console output.

Query1: kubelet_http_requests_total

Output:

Graph



Console:

Enable query history

kubernetes_http_requests_total

Execute

kubernetes_http_requests_tc

Load time: 758ms
Resolution: 14s
Total time series: 65

Graph Console

◀ Moment ▶▶

Element

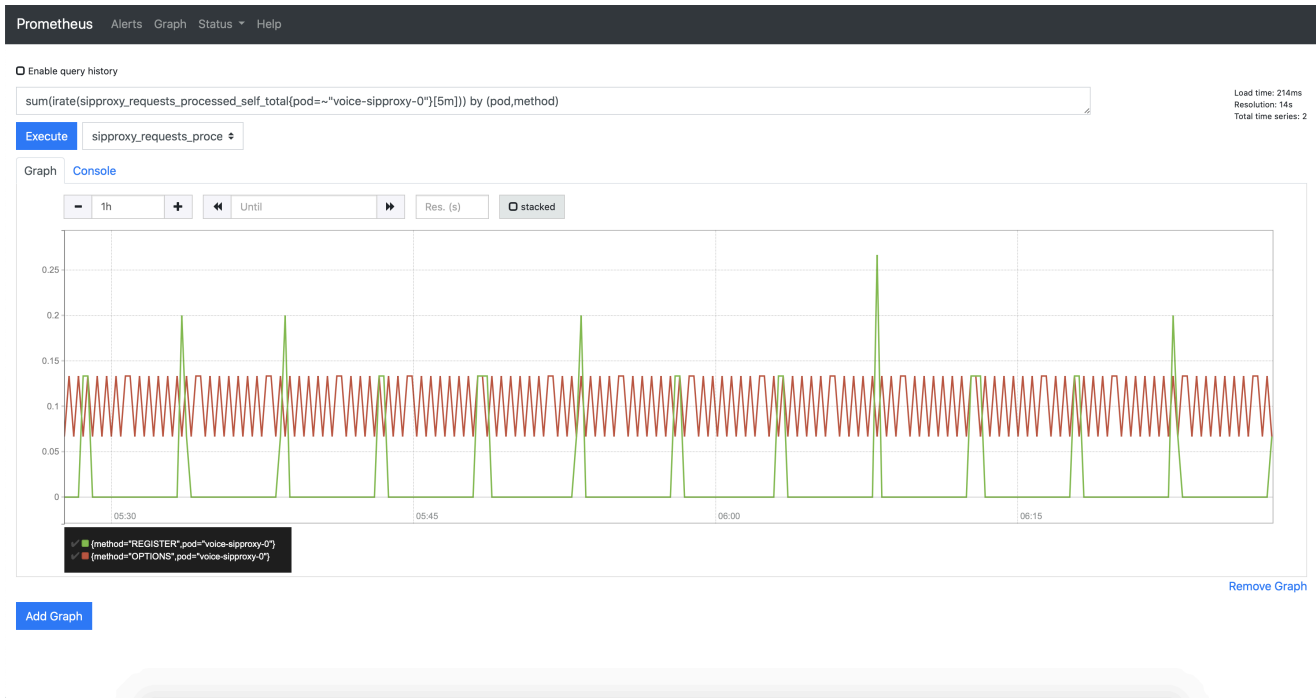
Value

kubernetes_http_requests_total{addon_gke_io_node_local_dns_ds_ready="true",beta_kubernetes_io_arch="amd64",beta_kubernetes_io_instance_type="e2-standard-16",beta_kubernetes_io_os="linux",cloud_google_com_gke_boot_disk="pd-standard",cloud_google_com_gke_container_runtime="containerd",cloud_google_com_gke_nodepool="default-pool",cloud_google_com_gke_os_distribution="cos",cloud_google_com_machine_family="e2",failure_domain_beta_kubernetes_io_region="us-west1",failure_domain_beta_kubernetes_io_zone="us-west1-a",instance="gke-gke1-default-pool-8dc9a397-015e",job="kubernetes",kubernetes_io_arch="amd64",kubernetes_io_hostname="gke-gke1-default-pool-8dc9a397-015e",kubernetes_io_os="linux",long_running="false",method="GET",node_kubernetes_io_instance_type="e2-standard-16",path="/container/logs",server_type="readwrite",topology_gke_io_zone="us-west1-a",topology_kubernetes_io_region="us-west1",topology_kubernetes_io_zone="us-west1-a"}	378
kubernetes_http_requests_total{addon_gke_io_node_local_dns_ds_ready="true",beta_kubernetes_io_arch="amd64",beta_kubernetes_io_instance_type="e2-standard-16",beta_kubernetes_io_os="linux",cloud_google_com_gke_boot_disk="pd-standard",cloud_google_com_gke_container_runtime="containerd",cloud_google_com_gke_nodepool="default-pool",cloud_google_com_gke_os_distribution="cos",cloud_google_com_machine_family="e2",failure_domain_beta_kubernetes_io_region="us-west1",failure_domain_beta_kubernetes_io_zone="us-west1-a",instance="gke-gke1-default-pool-8dc9a397-015e",job="kubernetes",kubernetes_io_arch="amd64",kubernetes_io_hostname="gke-gke1-default-pool-8dc9a397-015e",kubernetes_io_os="linux",long_running="false",method="GET",node_kubernetes_io_instance_type="e2-standard-16",path="/healthz",server_type="readonly",topology_gke_io_zone="us-west1-a",topology_kubernetes_io_region="us-west1",topology_kubernetes_io_zone="us-west1-a"}	6633
kubernetes_http_requests_total{addon_gke_io_node_local_dns_ds_ready="true",beta_kubernetes_io_arch="amd64",beta_kubernetes_io_instance_type="e2-standard-16",beta_kubernetes_io_os="linux",cloud_google_com_gke_boot_disk="pd-standard",cloud_google_com_gke_container_runtime="containerd",cloud_google_com_gke_nodepool="default-pool",cloud_google_com_gke_os_distribution="cos",cloud_google_com_machine_family="e2",failure_domain_beta_kubernetes_io_region="us-west1",failure_domain_beta_kubernetes_io_zone="us-west1-a",instance="gke-gke1-default-pool-8dc9a397-015e",job="kubernetes",kubernetes_io_arch="amd64",kubernetes_io_hostname="gke-gke1-default-pool-8dc9a397-015e",kubernetes_io_os="linux",long_running="false",method="GET",node_kubernetes_io_instance_type="e2-standard-16",path="/metrics",server_type="readwrite",topology_gke_io_zone="us-west1-a",topology_kubernetes_io_region="us-west1",topology_kubernetes_io_zone="us-west1-a"}	26548
kubernetes_http_requests_total{addon_gke_io_node_local_dns_ds_ready="true",beta_kubernetes_io_arch="amd64",beta_kubernetes_io_instance_type="e2-standard-16",beta_kubernetes_io_os="linux",cloud_google_com_gke_boot_disk="pd-standard",cloud_google_com_gke_container_runtime="containerd",cloud_google_com_gke_nodepool="default-pool",cloud_google_com_gke_os_distribution="cos",cloud_google_com_machine_family="e2",failure_domain_beta_kubernetes_io_region="us-west1",failure_domain_beta_kubernetes_io_zone="us-west1-a",instance="gke-gke1-default-pool-8dc9a397-015e",job="kubernetes",kubernetes_io_arch="amd64",kubernetes_io_hostname="gke-gke1-default-pool-8dc9a397-015e",kubernetes_io_os="linux",long_running="false",method="GET",node_kubernetes_io_instance_type="e2-standard-16",path="/metrics/cadvisor",server_type="readonly",topology_gke_io_zone="us-west1-a",topology_kubernetes_io_region="us-west1",topology_kubernetes_io_zone="us-west1-a"}	44
kubernetes_http_requests_total{addon_gke_io_node_local_dns_ds_ready="true",beta_kubernetes_io_arch="amd64",beta_kubernetes_io_instance_type="e2-standard-16",beta_kubernetes_io_os="linux",cloud_google_com_gke_boot_disk="pd-standard",cloud_google_com_gke_container_runtime="containerd",cloud_google_com_gke_nodepool="default-pool",cloud_google_com_gke_os_distribution="cos",cloud_google_com_machine_family="e2",failure_domain_beta_kubernetes_io_region="us-west1",failure_domain_beta_kubernetes_io_zone="us-west1-a",instance="gke-gke1-default-pool-8dc9a397-015e",job="kubernetes",kubernetes_io_arch="amd64",kubernetes_io_hostname="gke-gke1-default-pool-8dc9a397-015e",kubernetes_io_os="linux",long_running="false",method="GET",node_kubernetes_io_instance_type="e2-standard-16",path="/metrics/cadvisor",server_type="readwrite",topology_gke_io_zone="us-west1-a",topology_kubernetes_io_region="us-west1",topology_kubernetes_io_zone="us-west1-a"}	19910
kubernetes_http_requests_total{addon_gke_io_node_local_dns_ds_ready="true",beta_kubernetes_io_arch="amd64",beta_kubernetes_io_instance_type="e2-standard-16",beta_kubernetes_io_os="linux",cloud_google_com_gke_boot_disk="pd-standard",cloud_google_com_gke_container_runtime="containerd",cloud_google_com_gke_nodepool="default-pool",cloud_google_com_gke_os_distribution="cos",cloud_google_com_machine_family="e2",failure_domain_beta_kubernetes_io_region="us-west1",failure_domain_beta_kubernetes_io_zone="us-west1-a",instance="gke-gke1-default-pool-8dc9a397-015e",job="kubernetes",kubernetes_io_arch="amd64",kubernetes_io_hostname="gke-gke1-default-pool-8dc9a397-015e",kubernetes_io_os="linux",long_running="false",method="GET",node_kubernetes_io_instance_type="e2-standard-16",path="/metrics/cadvisor",server_type="readwrite",topology_gke_io_zone="us-west1-a",topology_kubernetes_io_region="us-west1",topology_kubernetes_io_zone="us-west1-a"}	45

Query 2: `sum(irate(sipproxxy_requests_processed_self_total{pod=~"voice-sipproxxy-0"}[5m])) by (pod,method)`

Output

Graph:



Console:

Prometheus Alerts Graph Status Help

Enable query history

sum(rate(sipproxy_requests_processed_self_total[pod=~"voice-sipproxy-0"][5m])) by (pod,method)

Execute sipproxy_requests_proce

Load time: 449ms
Resolution: 14s
Total time series: 2

Graph Console

Moment

Element	Value
(method="OPTIONS",pod="voice-sipproxy-0")	0.06666666666666667
(method="REGISTER",pod="voice-sipproxy-0")	0

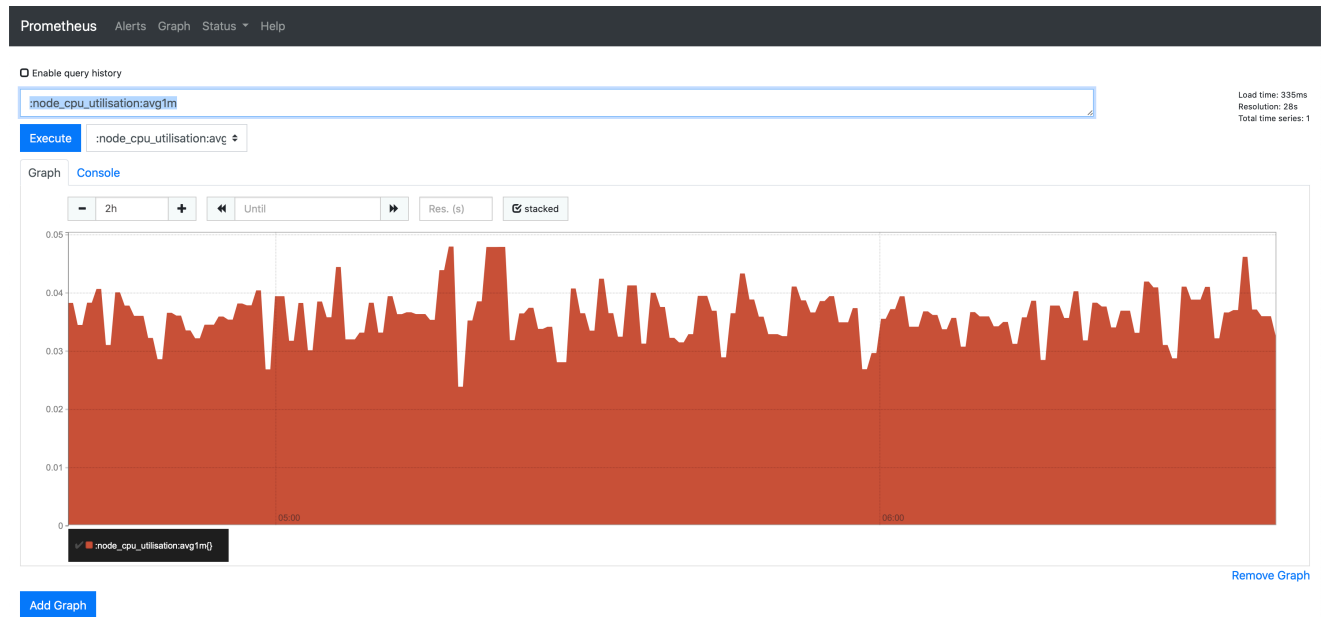
Remove Graph

Add Graph

Query 3: node_cpu_utilisation:avg1m

Output

Graph:



Console:

Prometheus Alerts Graph Status Help

Enable query history

Execute Load time: 211ms
Resolution: 28s
Total time series: 1

Graph Console

Element	Value
:node_cpu_utilisation:avg1m()	0.04255425367476107

[Remove Graph](#)