

CheatSheet: VMware Wavefront

VMWARE

- PDF Link: [cheatsheet-wavefront-A4.pdf](#), Category: VMware
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-wavefront-A4>
- Related posts: Prometheus CheatSheet, Nagios CheatSheet, [#denny-cheatsheets](#)

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1.1 Wavefront Summary

Name	Summary
Wavefront	SaaS monitoring. YouTube: Pivotal Container Service (PKS) and VMware Wavefront
wavefront trial portal	https://try.wavefront.com/dashboard/tutorial-intro
Wavefront PKS dashboard	https://try.wavefront.com/dashboard/integration-pks
Wavefront kubernetes collector	GitHub: wavefrontHQ/wavefront-kubernetes-collector , docker hub image
Default Limits	? alerts for each tenant; 10K point-per-seconds for each tenant
Whether need an agent	Link: Comparing Proxy and Direct Ingestion
Integrations	VMware PKS Integration, Kubernetes Integration, wavefront-kubernetes/wavefront-proxy
Add app metrics to wavefront proxy	Link: Getting Data into Wavefront
Wavefront alert	Link: Wavefront Alert Target ID
Reference	https://try.wavefront.com/api-docs/ui/

1.2 Wavefront Web UI

Name	Summary
Explore wavefront metrics	Browse -> Metrics
Explore wavefront sources	<a href="https://try.wavefront.com/source/<source-id>">https://try.wavefront.com/source/<source-id>
Wavefront query api	Link: try.wavefront.com/api-docs
Sample Link	Wavefront sample link

1.3 Wavefront API

Name	Summary
List all wavefront alerts	

1.4 Wavefront Chart

Name	Summary
Change chart name	Chart -> General -> Name
Change chart type	Chart -> Choose: Line Plot, Single Stat View, etc

1.5 Wavefront container monitoring

Name	Summary
Query cluster metrics	<code>ts(pks.heapster.ns.cpu.request, cluster="wf-deployment-0-10-0-dev-23")</code>
Query node metrics	<code>ts(pks.heapster.node.cpu.usage, cluster="wf-deployment-0-10-0-dev-23")</code>
Query pod metrics	<code>ts(pks.heapster.pod.cpu.usage, cluster="wf-deployment-0-10-0-dev-23")</code>
Query namespace metrics	<code>ts(pks.heapster.ns.cpu.request, cluster="wf-deployment-0-10-0-dev-23" and namespace_name="kub</code>
Count running pods	<code>sum(ts(pks.kube.pod.status.ready.gauge, condition=true and cluster="wf-deployment-0-10-0-dev-</code>
kube-state-metrics node	<code>ts(pks.kube.node.status.condition.gauge, condition=Ready and status=true and cluster="wf-depl</code>
kube-state-metrics: list pods	<code>ts(pks.kube.pod.status.ready.gauge, condition=true and cluster="wf-deployment-0-10-0-dev-23")</code>
kube-state-metrics	<code>ts(pks.kube.pod.container.status.running.gauge, cluster="wf-deployment-0-10-0-dev-23")</code>

1.6 More Resources

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