

# 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	<a href="https://try.wavefront.com/dashboard/tutorial-intro">https://try.wavefront.com/dashboard/tutorial-intro</a>
Wavefront PKS dashboard	<a href="https://try.wavefront.com/dashboard/integration-pks">https://try.wavefront.com/dashboard/integration-pks</a>
Wavefront kubernetes collector	GitHub: <a href="#">wavefrontHQ/wavefront-kubernetes-collector</a> , docker hub image
Default Limits	? alerts for each tenant; 10K point-per-seconds for each tenant
Whether need an agent	Link: <a href="#">Comparing Proxy and Direct Ingestion</a>
Integrations	VMware PKS Integration, Kubernetes Integration, <a href="#">wavefront-kubernetes/wavefront-proxy</a>
Add app metrics to wavefront proxy	Link: <a href="#">Getting Data into Wavefront</a>
Reference	<a href="https://try.wavefront.com/api-docs/ui/">https://try.wavefront.com/api-docs/ui/</a>

## 1.2 Wavefront Web UI

Name	Summary
Explore wavefront metrics	<b>Browse -&gt; Metrics</b>
Explore wavefront sources	<a href="https://try.wavefront.com/source/&lt;source-id&gt;">https://try.wavefront.com/source/&lt;source-id&gt;</a>
Wavefront query api	Link: <a href="#">try.wavefront.com/api-docs</a>
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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