



# Setting up WeaveScope for visualizing Kubernetes Pods, Services, Containers & Hosts

Kubernetes - Beginners | Intermediate | Advanced

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## Setting up WeaveScope for visualizing Kubernetes Pods, Services, Containers & Hosts

[Weave Scope](#) is a visualization and monitoring tool for Docker and Kubernetes. It provides a top down view into your app as well as your entire infrastructure, and allows you to diagnose any problems with your distributed containerized app, in real time, as it is being deployed to a cloud provider.

### Pre-requisite

- Docker Desktop for Mac OR

- 5 Node Play with Kubernetes Cluster

## Installing WeaveScope

```
kubectl apply -f "https://cloud.weave.works/k8s/scope.yaml?k8s-version=$(kub
```

This downloads a recent Scope image from Dockerhub and launches a probe onto every node as well as a single Scope app. Once launched, Scope doesn't require any other configuration.

Allowable parameters for the launcher URL:

```
v - Weave Scope version or tag, e.g. latest current release is the default  
k8s-service-type - Kubernetes service type (for running Scope in Standalone  
Since we are trying to access it via play with kubernetes or Katakoda platfo
```

```
kubectl get svc -n weave -o yaml > svc.yaml && sed -i "s/ClusterIP/NodePort/
```

## Open Scope in Your Browser

From the `kubectl get svc -n weave` take the Nodeport and hit open PWK on that port

```
master $ kubectl get svc -n weave
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
weave-scope-app	NodePort	10.98.159.21	<none>	80:31741/TCP	31s

Access Weavescope using NodePort(31741 in this case).

← → ↺

Not Secure | 2886795329-31741-ollie02.environments.katacoda.com/#/state/{?pinnedMetricType="CPU",topologyId="pods",topologyOptions:{processes:[?unconnected]:[?hide...

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Containers

Pods

by DNS name

by image

Hosts

Controllers

Weave Net

Services

















Graph

Table

Resources

Live

Pause

Pods	Pods Controllers	Pods Services	Created	IP	Namespace	Restart #	State
 coredns-fb8b8dccb-5zv4q	<a href="#">coredns</a>	<a href="#">kube-dns</a>	an hour ago	10.88.0.4	kube-system	0	Running
 coredns-fb8b8dccb-9hxow	<a href="#">coredns</a>	<a href="#">kube-dns</a>	an hour ago	10.88.0.3	kube-system	0	Running
 etcd-master			an hour ago	172.17.0.36	kube-system	0	Running
 katacoda-cloud-provider-85ffc7...	<a href="#">katakoda-cloud-provider</a>		an hour ago	10.88.0.2	kube-system	17	Running
 kube-apiserver-master			an hour ago	172.17.0.36	kube-system	0	Running
 kube-controller-manager-master			an hour ago	172.17.0.36	kube-system	0	Running
 kube-keepalived-vip-lg7sv	<a href="#">kube-keepalived-vip</a>		an hour ago	172.17.0.65	kube-system	0	Running
 kube-proxy-4m4wm	<a href="#">kube-proxy</a>		an hour ago	172.17.0.36	kube-system	0	Running
 kube-proxy-dfdk	<a href="#">kube-proxy</a>		an hour ago	172.17.0.65	kube-system	0	Running
 kube-scheduler-master			an hour ago	172.17.0.36	kube-system	0	Running
 weave-net-2q8m	<a href="#">weave-net</a>		an hour ago	172.17.0.36	kube-system	1	Running
 weave-net-jwz7w	<a href="#">weave-net</a>		an hour ago	172.17.0.65	kube-system	1	Running
 weave-scope-agent-dvdlp	<a href="#">weave-scope-agent</a>		44 minutes ago	172.17.0.36	weave	0	Running
 weave-scope-agent-flj97	<a href="#">weave-scope-agent</a>		44 minutes ago	172.17.0.65	weave	0	Running
 weave-scope-app-85966885c8-...	<a href="#">weave-scope-app</a>	<a href="#">weave-scope-app</a>	44 minutes ago	10.32.0.2	weave	0	Running
 weave-scope-cluster-agent-5c9...	<a href="#">weave-scope-cluster-agent</a>		8 minutes ago	10.32.0.3	weave	0	Running

16 nodes

Show snapshotsHide snapshots

Show storageHide storage

Show unmanagedHide unmanaged

All Namespacesdefaultkube-node-leasekube-publickube-systemweave

Version 112.0 on weave-scope-app-85966885c8-sw6th Plugins: n/a 🔍 ⚙️ ?


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