

Amazon EKS Anywhere

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I've been playing lately with Amazon EKS Anywhere, the Kubernetes distribution used by EKS that you can install in your own premises. It works pretty well and makes for a very decent alternative to Minikube, K3s and other similar "Kubernetes-in-your-laptop" packages.

Here are the steps I followed in my Ubuntu box:

Install tools

Very simple to install, just `curl` a few tools and you're done.

```
$ curl "https://github.com/weaveworks/eksctl/releases/latest/download/eksctl_$(uname -s)_amd64.tar.gz"
$ mv /tmp/eksctl ~/.local/bin
$ export EKSA_RELEASE="0.5.0" OS="$(uname -s | tr A-Z a-z)"
$ curl "https://anywhere-assets.eks.amazonaws.com/releases/eks-a/1/artifacts/eks-a/v${EKSA_RELEASE}/eksctl-anywhere.tar.gz"
$ mv ./eksctl-anywhere ~/.local/bin
```

Create cluster

Once you have installed it, very easy to create a new cluster:

```
$ eksctl anywhere generate clusterconfig dev --provider docker > dev.yaml
$ eksctl anywhere create cluster -f dev.yaml
```

Deploy app

And of course, you can launch an app to see it in action:

```
$ kubectl apply --kubeconfig ./dev/dev-eks-a-cluster.kubeconfig -f "https://anywhere.eks.amazonaws.com/artifacts/eks-a/v0.5.0/hello-eks-a.yaml"
$ kubectl port-forward svc/hello-eks-a 3000:80 --kubeconfig ./dev/dev-eks-a-cluster.kubeconfig
$ curl localhost:3000
$ k9s --kubeconfig dev/dev-eks-a-cluster.kubeconfig
```

Delete Cluster

Finally, some cleanup:

```
$ eksctl anywhere delete cluster dev
```