

Rahul Kumar <rahul.kumar@fosteringlinux.com>

Successful Ansible AWX Setup Using Minikube

1 message

Rahul Kumar <rahul.kumar@fosteringlinux.com>
To: Ashish Kumar Jha <ashishk.jha@fosteringlinux.com>
Co: Nitesh Jha <nitesh.jha@fosteringlinux.com>, PMO <pmo.central@keenable.in>

26 January 2024 at 03:31

Dear sir,

As per your guidance,

I have successfully set up Ansible AWX using Minikube.

Here, I am sharing the steps:

Minikube Installation:

curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64 sudo install minikube-linux-amd64 /usr/local/bin/minikube minikube version

```
user@user-HP-EliteBook-840-G3:~$ minikube version
minikube version: v1.32.0
commit: 8220a6eb95f0a4d75f7f2d7b14cef975f050512d
user@user-HP-EliteBook-840-G3:~$
```

Minikube Start:

minikube start --cpus=4 --memory=6g --addons=ingress minikube status docker ps -a minikube kubectl -- get nodes

```
## Starting control plane node minikube to cluster minikube to pownloading Kibernetes vi.28.3 preload.

## Preparing Kubernetes vi.28.3 preload.

## Creating kvn2 vM (CPUs=4, Menory-ci.418.1)

## Configuring Bridge CNI (Container Networking Interface) ...

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```

AWX Operator

vim kustomization.yaml

apiVersion: kustomize.config.k8s.io/v1beta1

kind: Kustomization

resources:

- github.com/ansible/awx-operator/config/default?ref=2.0.1

images:

- name: quay.io/ansible/awx-operator

newTag: 2.0.1

namespace: awxInstallation:

kubectl apply -k. kubectl get pods -n awx

NAME READY STATUS RESTARTS AGE

awx-operator-controller-manager-c7795b96b-2m84d 2/2 Running 0 3m33s

cat awx-server.yaml

apiVersion: awx.ansible.com/v1beta1

kind: AWX metadata:

name: awx-server

spec:

service_type: nodeport

cat kustomization.yaml

apiVersion: kustomize.config.k8s.io/v1beta1

kind: Kustomization

resources:

- github.com/ansible/awx-operator/config/default?ref=2.0.1
- awx-server.yaml

images:

- name: quay.io/ansible/awx-operator

newTag: 2.0.1 namespace: awx

kubectl apply -k.

Accessing AWX:

kubectl config set-context --current --namespace=awx Context "minikube" modified.

kubectl get pods

NAME READY STATUS RESTARTS AGE

awx-operator-controller-manager-6c5bb555b6-hp4xl 2/2 Running 0 6m8s

awx-server-postgres-13-0 1/1 Running 0 98s

kubectl get pods

NAME READY STATUS RESTARTS AGE

awx-operator-controller-manager-6c5bb555b6-hp4xl 2/2 Running 2 (48s ago) 13m

 awx-server-postgres-13-0
 1/1
 Running 0
 9m12s

 awx-server-task-688bc87d96-vg9d2
 4/4
 Running 0
 7m32s

 awx-server-web-64659d599d-znmqd
 3/3
 Running 0
 5m24s

kubectl get svc

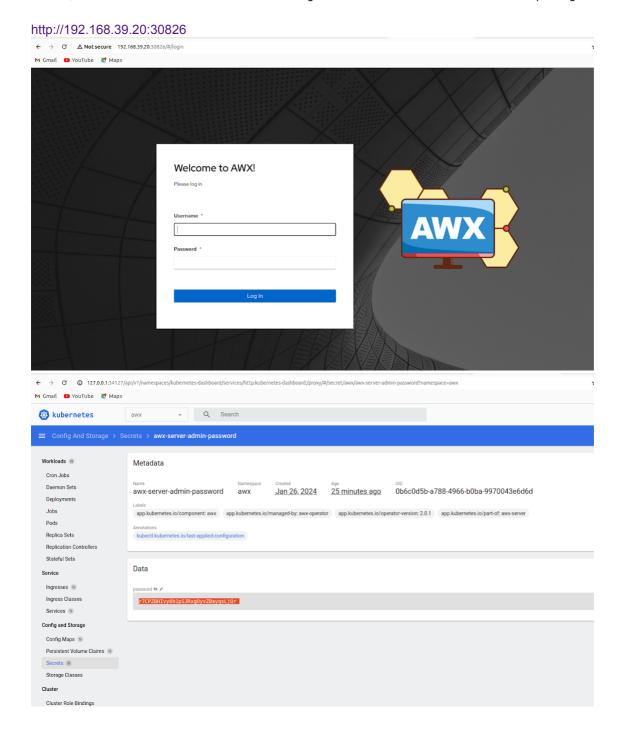
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE awx-operator-controller-manager-metrics-service ClusterIP 10.105.211.112 <none> 8443/TCP 16m

awx-server-postgres-13 ClusterIP None <none> 5432/TCP 11m awx-server-service NodePort 10.103.229.150 <none> 80:30826/TCP 10m

minikube ip 192.168.39.20

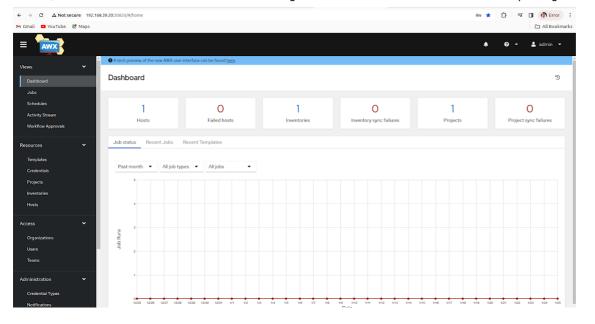
kubectl get svc awx-server-service

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE awx-server-service NodePort 10.103.229.150 <none> 80:30826/TCP 17m



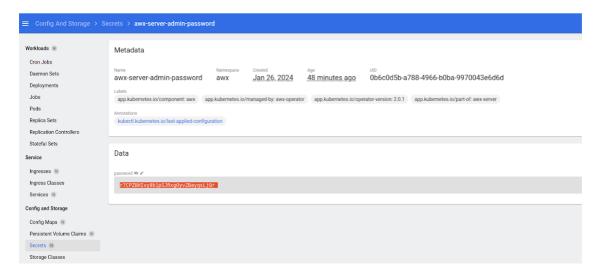
Minikube Dashboard:

minikube dashboard



Here are the steps for checking the admin password from the minikube datasbord.

- 1). Select namespace awx
- 2). Click on secret key
- 3). Click on awx-server-admin-password
- 4). Now, click on the **password** from data.



I request to guide me more and assign me tasks.

Thanks & Regards, Rahul Kumar 7632954998 Keenable Computer Pvt.Ltd.