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AWX on Single Node K3s



Marouane Louguid · Follow

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Setup a K3s Kubernetes Cluster on Ubuntu/Debian

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```
curl -sL https://get.k3s.io | sh -
```

Verify if it is running or not

```
systemctl status k3s
```

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The AWX Operator will be deployed to the namespace `awx`.

```
kubectl -n awx get all
```

NAME	READY	STATUS	RESTART
pod/awx-operator-controller-manager-687b856498-kckzt	2/2	Running	0

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```
ingress_type: ingress
ingress_hosts:
  - hostname: awx.local.com
    tls_secret: awx-secret-tls
...
```

Modify the two password entries in base/kustomization.yaml.

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Deploy AWX

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```
kubectl apply -k base
```

To monitor the progress of the deployment, check the logs of `deployments/awx-operator-controller-manager` :

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```

root@k3s:~# kubectl -n awx get awx,all,ingress,secrets
NAME
awx
NAME
pod
pod
pod/awx-postgres-15-0      1/1      Running    0          18h
pod/awx-task-567f5fd946-wmdwf  4/4      Running    0          18h
pod/awx-web-757d696f54-xts9r  3/3      Running    0          18h

NAME                                TYPE           CLUSTER-IP      EXTERNAL-IP      PORT(S)        AGE
service/awx-operator-controller-manager-metrics-service  ClusterIP      10.43.55.49     <none>           8443/TCP       18h
service/awx-postgres-15              ClusterIP      None            <none>           5432/TCP       18h
service/awx-service                   ClusterIP      10.43.113.81   <none>           80/TCP         18h

NAME                READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/awx-operator-controller-manager  0/1     1             0           18h
deployment.apps/awx-task                        1/1     1             1           18h
deployment.apps/awx-web                         1/1     1             1           18h

NAME                DESIRED   CURRENT   READY   AGE
replicaset.apps/awx-operator-controller-manager-687b856498  1         1         0       18h
replicaset.apps/awx-task-567f5fd946                       1         1         1       18h
replicaset.apps/awx-web-757d696f54                       1         1         1       18h

NAME                READY   AGE
statefulset.apps/awx-postgres-15  1/1    18h

```

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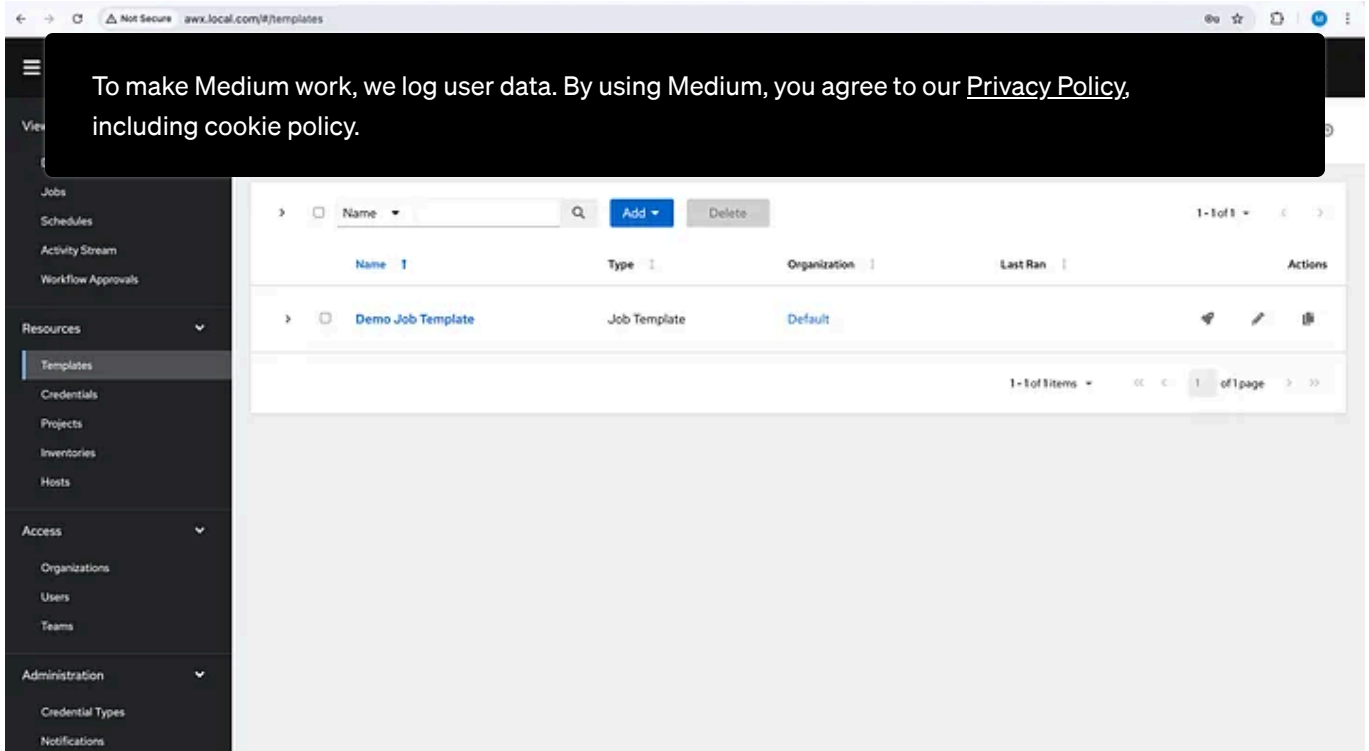
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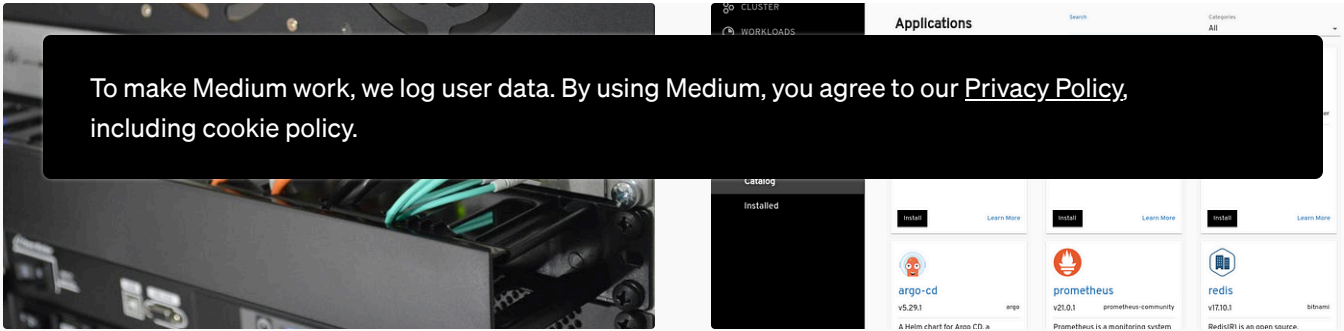
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