

To install the Kubernetes dashboard and set up HTTPS access, you can follow these steps:

To install the Kubernetes dashboard and set up HTTPS access, you can follow these steps:

1. Install the Kubernetes dashboard by running the following command:

```
microk8s enable dashboard
```

2. Verify that the dashboard has been successfully installed by checking its status:

```
microk8s kubectl get services -n kube-system
```

Look for a service named `kubernetes-dashboard` in the `kube-system` namespace. Make a note of the port number (usually 443) associated with the service.

3. Generate a self-signed SSL certificate for HTTPS access. Run the following commands to create a directory for the certificates and generate the certificate:

```
sudo mkdir /var/snap/microk8s/current/certs
```

```
sudo microk8s kubectl create secret generic kubernetes-dashboard-certs --from-file=/var/snap/microk8s/current/certs -n kube-system
```

4. Access the dashboard with HTTPS by creating a proxy using the `kubectl` command. Replace `` with the port number noted from step 2:

```
microk8s kubectl proxy --port=<port> --address='0.0.0.0' --accept-hosts='.*'
```

5. Open a web browser and navigate to

```
https://localhost:<port>/api/v1/namespaces/kube-system/services/https:kubernetes-dashboard:/proxy/
```

Replace ``<port>`` with the same port number used in step 4.

6. You will encounter a security warning due to the self-signed certificate. Accept the warning and proceed to access the Kubernetes dashboard.

Please note that using a self-signed certificate poses security risks, and it's recommended to use a valid SSL certificate from a trusted certificate authority for production environments.

Revision #5

Created 25 May 2023 11:02:39 by Alois

Updated 6 June 2023 11:28:16 by Alois