# **Lab 4: Backing up and Restoring ETCD in K8s Cluster**

## **Installing and placing etcd binaries**

1. Get the etcd binaries:

$ wget <https://github.com/etcd-io/etcd/releases/download/v3.3.12/etcd-v3.3.12-linux-amd64.tar.gz>

A screenshot of a social media post

Description automatically generated

1. Unzip the compressed binaries:

$ tar xvf etcd-v3.3.12-linux-amd64.tar.gz

A screenshot of a cell phone

Description automatically generated

1. Move the files into /usr/local/bin:

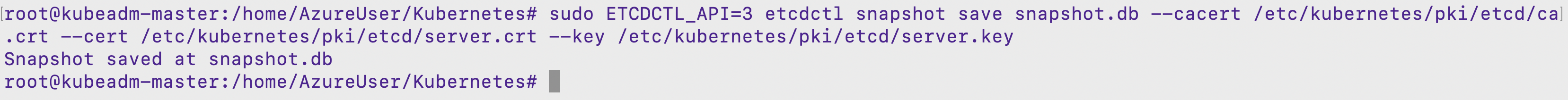
$ sudo mv etcd-v3.3.12-linux-amd64/etcd\* /usr/local/bin



## **Taking ETCD snapshot and verifying**

1. Take a snapshot of the etcd datastore using etcdctl:

$ sudo ETCDCTL\_API=3 etcdctl snapshot save snapshot.db --cacert /etc/kubernetes/pki/etcd/ca.crt --cert /etc/kubernetes/pki/etcd/server.crt --key /etc/kubernetes/pki/etcd/server.key



1. View that the snapshot was successful:

$ ETCDCTL\_API=3 etcdctl --write-out=table snapshot status snapshot.db

A picture containing bird

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## **Backing up the certificates and key files**

1. Zip up the contents of the etcd directory to save the certificates too

$ sudo tar -zcvf etcd.tar.gz **/etc/kubernetes/pki/etcd**

A screenshot of a cell phone

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