



Working with ETCDCTL

WORKING WITH ETCDCTL

`etcdctl` is a command line client for etcd.

In all our Kubernetes Hands-on labs, the ETCD key-value database is deployed as a static pod on the master. The version used is v3.

To make use of `etcdctl` for tasks such as back up and restore, make sure that you set the `ETCDCTL_API` to 3.

You can do this by exporting the variable `ETCDCTL_API` prior to using the `etcdctl` client. This can be done as follows:

```
export ETCDCTL_API=3
```

On the **Master Node**:



```
master $ export ETCDCTL_API=3
master $ etcdctl version
etcdctl version: 3.3.13
API version: 3.3
master $
```

To see all the options for a specific sub-command, make use of the **-h** or **-help** flag.

For example, if you want to take a snapshot of etcd, use:

`etcdctl snapshot save -h` and keep a note of the mandatory global options.

Since our ETCD database is TLS-Enabled, the following options are mandatory:

- | | |
|----------------------|--|
| <code>-cacert</code> | verify certificates of TLS-enabled secure servers using this CA bundle |
| <code>-cert</code> | identify secure client using this TLS certificate file |



`-endpoints=[127.0.0.1:2379]` This is the default as ETCD is running on master node and exposed on localhost 2379.

`-key` identify secure client using this TLS key file

For a detailed explanation on how to make use of the `etcdctl` command line tool and work with the `-h` flags, check out the solution video for the Backup and Restore Lab.