

SINCHANA S

CC LAB

Screenshot 1(a) - Successful installation of etcd

```
sinchana@LAPTOP-K061EF1I:~$ ETCD_VER=v3.5.12
GITHUB_URL=https://github.com/etcd-io/etcd/releases/download
DOWNLOAD_URL=${GITHUB_URL}/${ETCD_VER}/etcd-${ETCD_VER}-linux-amd64.tar.gz

# Download etcd binary
curl -L ${DOWNLOAD_URL} -o /tmp/etcd-${ETCD_VER}-linux-amd64.tar.gz

# Extract etcd binary
rm -rf /tmp/etcd-download-test && mkdir -p /tmp/etcd-download-test
tar xzvf /tmp/etcd-${ETCD_VER}-linux-amd64.tar.gz -C /tmp/etcd-download-test --strip-components=1

# Remove the downloaded tar.gz file
rm -f /tmp/etcd-${ETCD_VER}-linux-amd64.tar.gz

# Check etcd version
/tmp/etcd-download-test/etcd --version

# Check etcdctl version
/tmp/etcd-download-test/etcdctl version

# Check etcdutl version
/tmp/etcd-download-test/etcdutl version
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           %             %             Dload  Upload   Total   Spent    Left   Speed
  0     0    0     0    0     0      0      0  --:--:-- --:--:-- --:--:--    0
100 19.3M 100 19.3M    0     0 1411k      0  0:00:14 0:00:14 --:--:-- 1281k
etcd-v3.5.12-linux-amd64/README.md
etcd-v3.5.12-linux-amd64/READMEv2-etcdctl.md
etcd-v3.5.12-linux-amd64/etcdutl
etcd-v3.5.12-linux-amd64/etcdctl
etcd-v3.5.12-linux-amd64/Documentation/
etcd-v3.5.12-linux-amd64/Documentation/README.md
etcd-v3.5.12-linux-amd64/Documentation/dev-guide/
etcd-v3.5.12-linux-amd64/Documentation/dev-guide/apispec/
etcd-v3.5.12-linux-amd64/Documentation/dev-guide/apispec/swagger/
etcd-v3.5.12-linux-amd64/Documentation/dev-guide/apispec/swagger/v3election.swagger.json
etcd-v3.5.12-linux-amd64/Documentation/dev-guide/apispec/swagger/rpc.swagger.json
etcd-v3.5.12-linux-amd64/Documentation/dev-guide/apispec/swagger/v3lock.swagger.json
etcd-v3.5.12-linux-amd64/README-etcdutl.md
etcd-v3.5.12-linux-amd64/README-etcdctl.md
etcd-v3.5.12-linux-amd64/etcd
etcd Version: 3.5.12
Git SHA: e7b3bb6cc
Go Version: go1.20.13
Go OS/Arch: linux/amd64
etcdctl version: 3.5.12
API version: 3.5
etcdutl version: 3.5.12
API version: 3.5
sinchana@LAPTOP-K061EF1I:~$ |
```

```
etcdctl version: 3.5.12
API version: 3.5
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcd --version
etcd Version: 3.5.12
Git SHA: e7b3bb6cc
Go Version: go1.20.13
Go OS/Arch: linux/amd64
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcdctl version
etcdctl version: 3.5.12
API version: 3.5
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcdutl version
etcdutl version: 3.5.12
API version: 3.5
sinchana@LAPTOP-K061EF1I:~$ |
```

## Screenshot 2(a)

```
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcd
{"level":"warn","ts":"2024-04-08T18:06:22.520844+0530","caller":"embed/config.go:679","msg":"Running http and grpc server on single port. This is not recommended for production."}
{"level":"info","ts":"2024-04-08T18:06:22.52096+0530","caller":"etcdmain/etcd.go:73","msg":"Running: ", "args":["/tmp/etcd-download-test/etcd"]}
{"level":"warn","ts":"2024-04-08T18:06:22.520992+0530","caller":"etcdmain/etcd.go:105","msg":"'data-dir' was empty; using default", "data-dir":"default.etcd"}
{"level":"warn","ts":"2024-04-08T18:06:22.521076+0530","caller":"embed/config.go:679","msg":"Running http and grpc server on single port. This is not recommended for production."}
{"level":"info","ts":"2024-04-08T18:06:22.521096+0530","caller":"embed/etcd.go:127","msg":"configuring peer listeners","listen-peer-urls":["http://localhost:2380"]}
{"level":"error","ts":"2024-04-08T18:06:22.521621+0530","caller":"embed/etcd.go:536","msg":"creating peer listener failed","error":"listen tcp 127.0.0.1:2380: bind: address already in use","stacktrace":"go.etcd.io/etcd/server/v3/embed.configurePeerListeners\n\tgo.etcd.io/etcd/server/v3/embed/etcd.go:536\nngo.etcd.io/etcd/server/v3/embed.StartEtcd\n\tgo.etcd.io/etcd/server/v3/embed/etcd.go:131\nngo.etcd.io/etcd/server/v3/etcdmain.startEtcd\n\tgo.etcd.io/etcd/server/v3/etcdmain/etcd.go:228\nngo.etcd.io/etcd/server/v3/etcdmain.startEtcdOrProxyV2\n\tgo.etcd.io/etcd/server/v3/etcdmain/etcd.go:135\nngo.etcd.io/etcd/server/v3/etcdmain.Main\n\tgo.etcd.io/etcd/server/v3/etcdmain/main.go:40\nmain.main\n\tgo.etcd.io/etcd/server/v3/main.go:31\nruntime.main\n\truntime/proc.go:250"}
{"level":"info","ts":"2024-04-08T18:06:22.521714+0530","caller":"embed/etcd.go:375","msg":"closing etcd server","name":"default","data-dir":"default.etcd","advertise-peer-urls":["http://localhost:2380"],"advertise-client-urls":["http://localhost:2379"]}
{"level":"info","ts":"2024-04-08T18:06:22.521722+0530","caller":"embed/etcd.go:377","msg":"closed etcd server","name":"default","data-dir":"default.etcd","advertise-peer-urls":["http://localhost:2380"],"advertise-client-urls":["http://localhost:2379"]}
{"level":"warn","ts":"2024-04-08T18:06:22.521735+0530","caller":"etcdmain/etcd.go:146","msg":"failed to start etcd","error":"listen tcp 127.0.0.1:2380: bind: address already in use"}
{"level":"fatal","ts":"2024-04-08T18:06:22.521746+0530","caller":"etcdmain/etcd.go:204","msg":"discovery failed","error":"listen tcp 127.0.0.1:2380: bind: address already in use","stacktrace":"go.etcd.io/etcd/server/v3/etcdmain.startEtcdOrProxyV2\n\tgo.etcd.io/etcd/server/v3/etcdmain/etcd.go:204\nngo.etcd.io/etcd/server/v3/etcdmain.Main\n\tgo.etcd.io/etcd/server/v3/etcdmain/main.go:40\nmain.main\n\tgo.etcd.io/etcd/server/v3/main.go:31\nruntime.main\n\truntime/proc.go:250"}
sinchana@LAPTOP-K061EF1I:~$ |
```

## Screenshot 2(b)

```
sinchana@LAPTOP-K061EF1I:/$ /tmp/etcd-download-test/etcdctl --endpoints=localhost:2379 put srn PES1UG21CS596
OK
sinchana@LAPTOP-K061EF1I:/$ /tmp/etcd-download-test/etcdctl --endpoints=localhost:2379 get srn
srn
PES1UG21CS596
sinchana@LAPTOP-K061EF1I:/$ |
```

```
sinchana@LAPTOP-K061EF1I:/$ /tmp/etcd-download-test/etcdctl --endpoints=localhost:2379 put srn PES1UG21CS596
OK
sinchana@LAPTOP-K061EF1I:/$ /tmp/etcd-download-test/etcdctl --endpoints=localhost:2379 get srn
srn
PES1UG21CS596
sinchana@LAPTOP-K061EF1I:/$ /tmp/etcd-download-test/etcdctl watch srn
PUT
srn
PES1UG21CS596
DELETE
srn
|
```

```
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcdctl --endpoints=localhost:2379 put srn PES1UG21CS596 SINCHANAS
OK
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcd del srn
{"level":"info","ts":"2024-04-08T18:18:46.063615+0530","caller":"etcdmain/etcd.go:73","msg":"Running: ", "args":["/tmp/etcd-download-test/etcd","del","srn"]}
{"level":"warn","ts":"2024-04-08T18:18:46.063706+0530","caller":"etcdmain/etcd.go:75","msg":"'failed to verify flags","error":"'del' is not a valid flag"}
sinchana@LAPTOP-K061EF1I:~$ etcdctl --endpoints=localhost:2379 del srn
No help topic for 'del'
sinchana@LAPTOP-K061EF1I:~$ /tmp/etcd-download-test/etcdctl del srn
1
sinchana@LAPTOP-K061EF1I:~$ |
```

## Screenshot 3(a)

