etcdctl etcd command line

CONCEPTS

Every key has a revision. Reads, watches and compaction all work in revisions, not timestamps.

put / del writes bump the revision
↓ raft
Cluster members agree on one history
↓ compact
History old revisions pile up
↓ defrag
Disk space is returned

Without --endpoints etcdctl talks to 127.0.0.1:2379. Secure clusters need the TLS flags on every call.

CONNECTION

--endpoints=<host:port,...>
Cluster members to contact

--cacert=<ca.crt>
CA that signed the server cert

--cert=<client.crt> **--key=**<client.key>
Client certificate and key

-w json
Output as JSON (also table, fields)

KEYS

etcdctl put <key> <value>
Set a key

etcdctl get <key>
Read a key and its value

etcdctl get <key> **--print-value-only**
Value only, no key line

etcdctl get --prefix <prefix>
All keys starting with a prefix

etcdctl get --prefix --keys-only <prefix>
List key names only

KEYS (cont.)

etcdctl del <key>
Delete a key

etcdctl del --prefix <prefix>
Delete all keys under a prefix

WATCH

etcdctl watch <key>
Print changes to a key

etcdctl watch --prefix <prefix>
Watch every key under a prefix

LEASES

etcdctl lease grant <ttl>
Create a lease with a TTL in seconds

etcdctl put <key> <value> **--lease=**<id>
Attach a key to a lease

CLUSTER

etcdctl member list -w table
List members and IDs

etcdctl endpoint health --cluster
Check each member responds

etcdctl endpoint status --cluster -w table
Leader, DB size, raft term

MAINTENANCE

etcdctl snapshot save <file>
Write a point-in-time backup

etcdutl snapshot restore <file> **--data-dir=**<dir>
Restore into a new data dir

AUTH

etcdctl user add root
Create root before enabling auth

etcdctl auth enable
Turn authentication on