Backup & Restore
ETCD

What & Why ETCD?

Kubernetes Cluster Configurations   ETCD
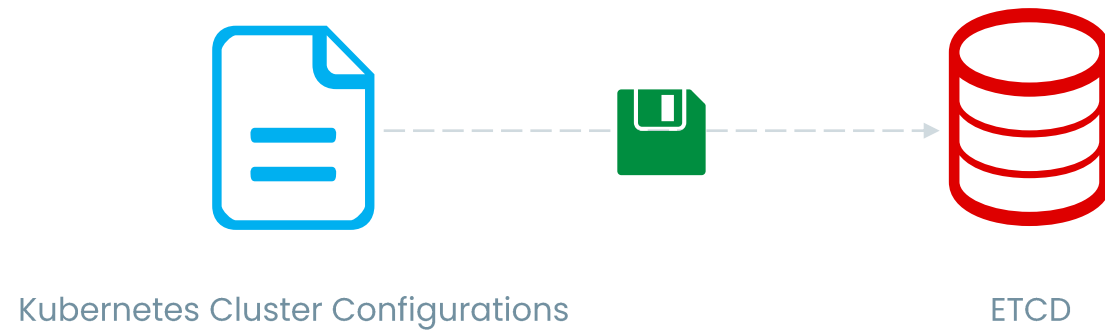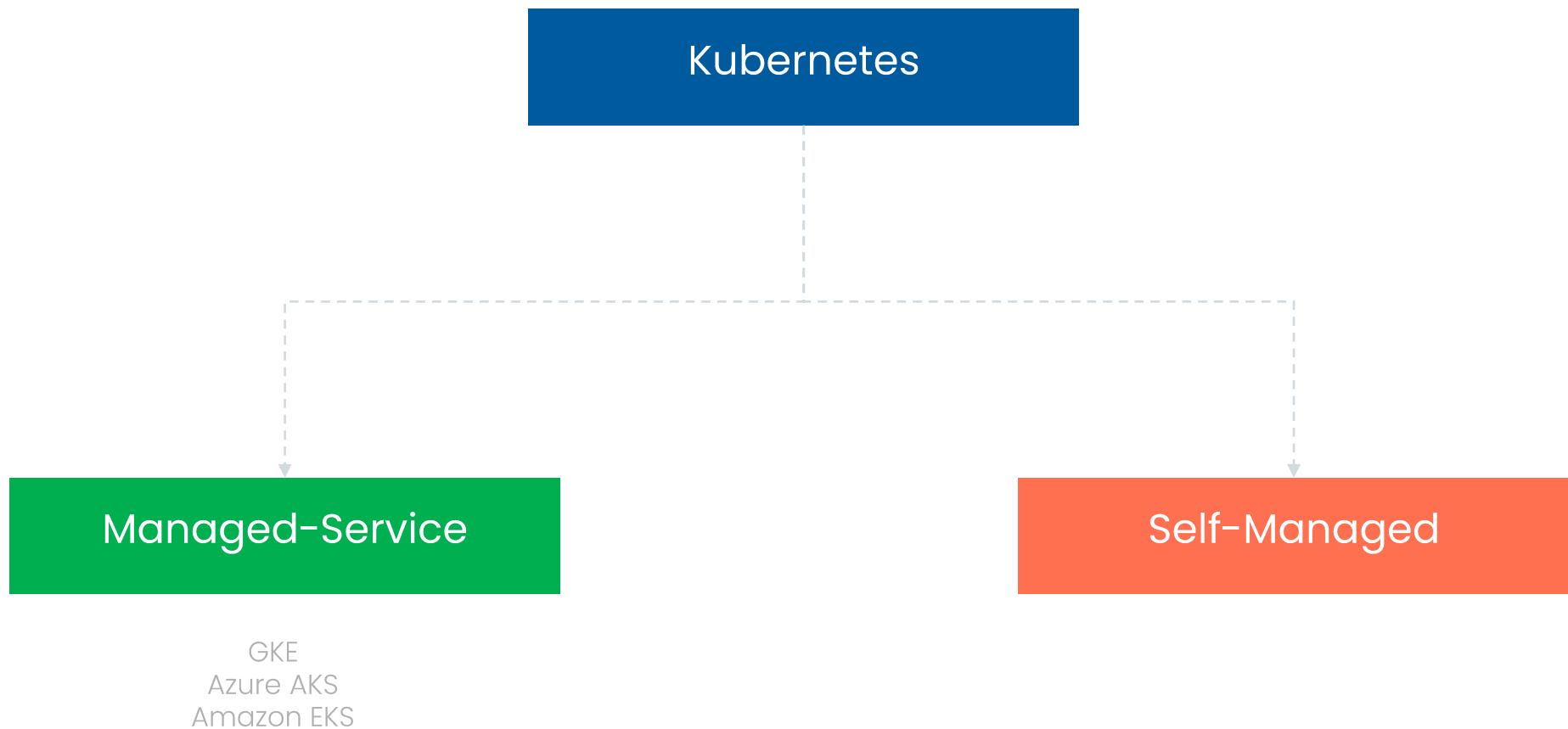
Kubernetes – **Backups & Restore**

Backups & Restore

From Disasters

Replicate Environment

Migration

etcdctl

put

get

save

restore

status

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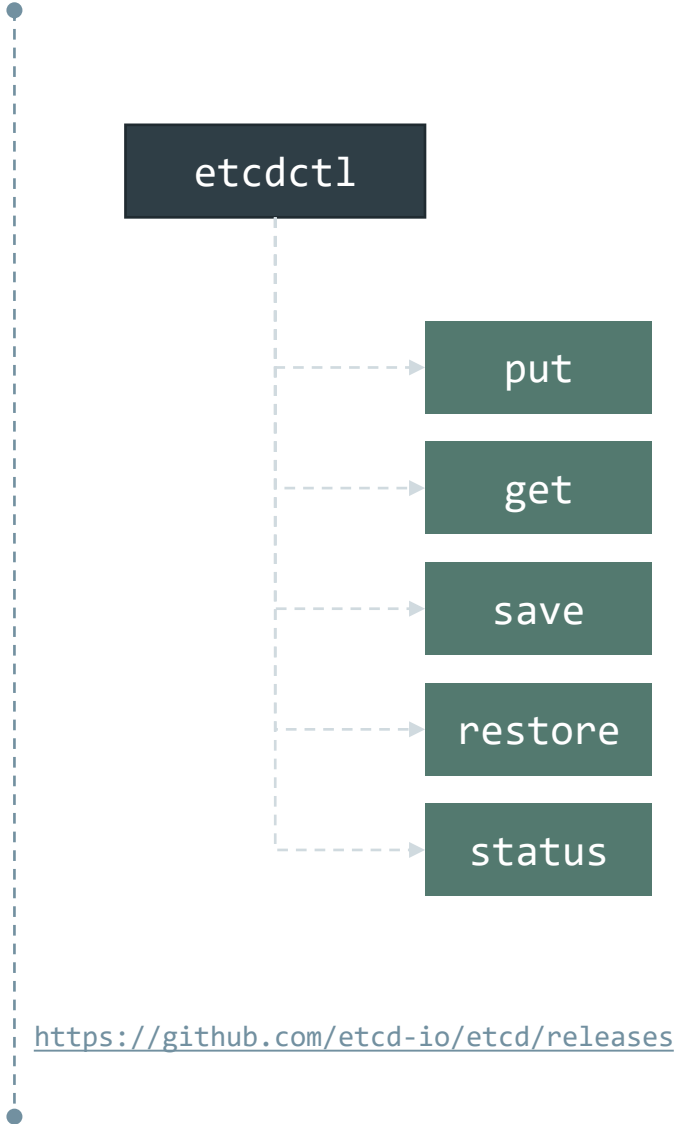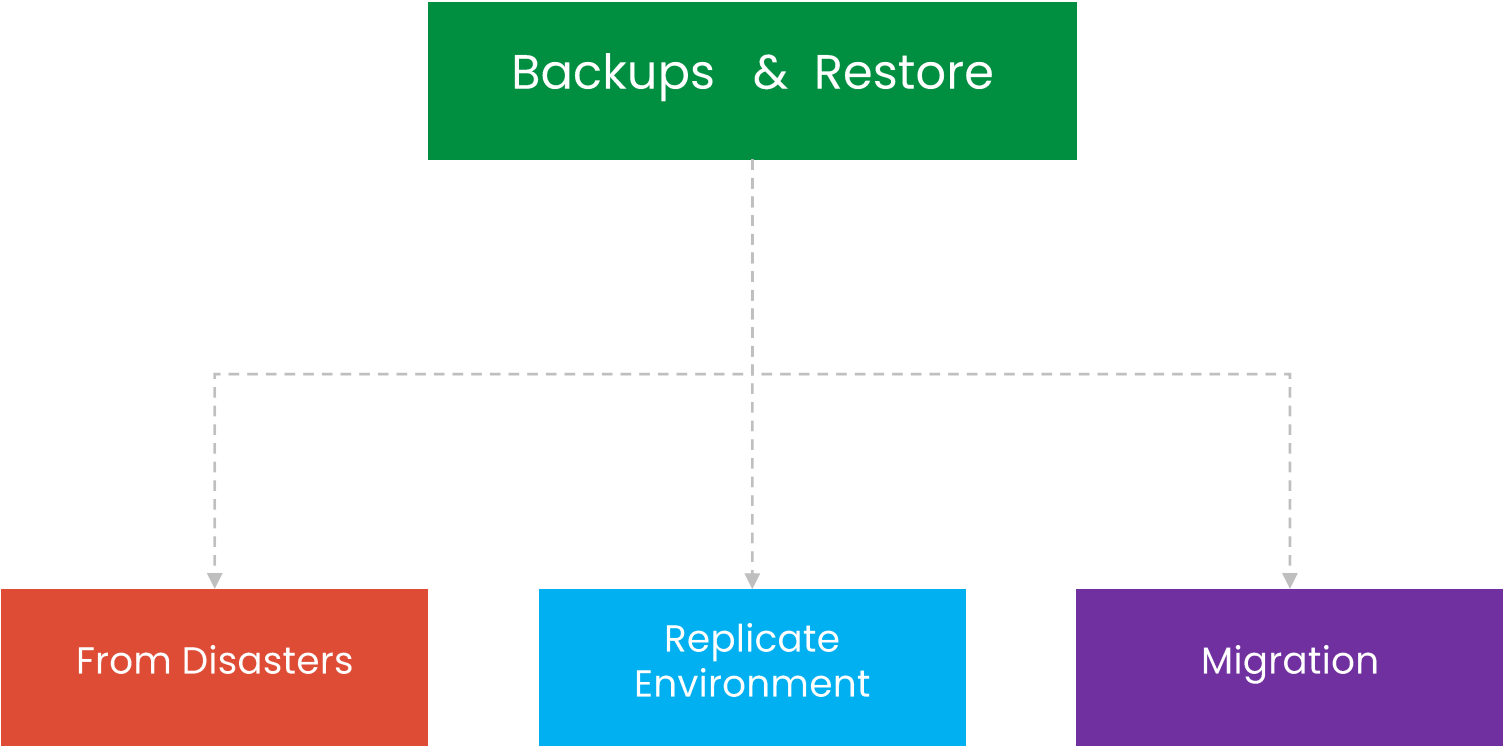
ETCD – **Backup**

1. Take Backup

```
ETCDCTL_API=3 etcdctl --endpoints https://127.0.0.1:2379
              --cert /etc/kubernetes/pki/etcd/server.crt \
              --key /etc/kubernetes/pki/etcd/server.key  \
              --cacert /etc/kubernetes/pki/etcd/ca.crt
              snapshot save /tmp/snapshot-pre-boot.db
```

2. Check Backup Status

```
ETCDCTL_API=3 etcdctl --write-out=table snapshot status /tmp/snapshot-pre-boot.db
```

```
+----------+----------+------------+------------+
|   HASH   | REVISION | TOTAL KEYS | TOTAL SIZE |
+----------+----------+------------+------------+
| fe01cf57 |       10 |          7 | 2.1 MB     |
+----------+----------+------------+------------+
```

⚠️ For complete instructions, please refer to "*Implementing ETCD Master Back & Restoring*" Demo lecture

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ETCD – **Restore**

3. Restore

```
ETCDCTL_API=3 etcdctl --endpoints=https://127.0.0.1:2379 \

    --cacert=/etc/kubernetes/pki/etcd/ca.crt \

    --name=master \

    --cert=/etc/kubernetes/pki/etcd/server.crt \

    --key=/etc/kubernetes/pki/etcd/server.key \

    --data-dir /var/lib/etcd-from-backup \

    --initial-cluster=master=https://127.0.0.1:2380 \

    --initial-cluster-token etcd-cluster-1 \

    --initial-advertise-peer-urls=https://127.0.0.1:2380 \

    snapshot restore /tmp/snapshot-pre-boot.db
```

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