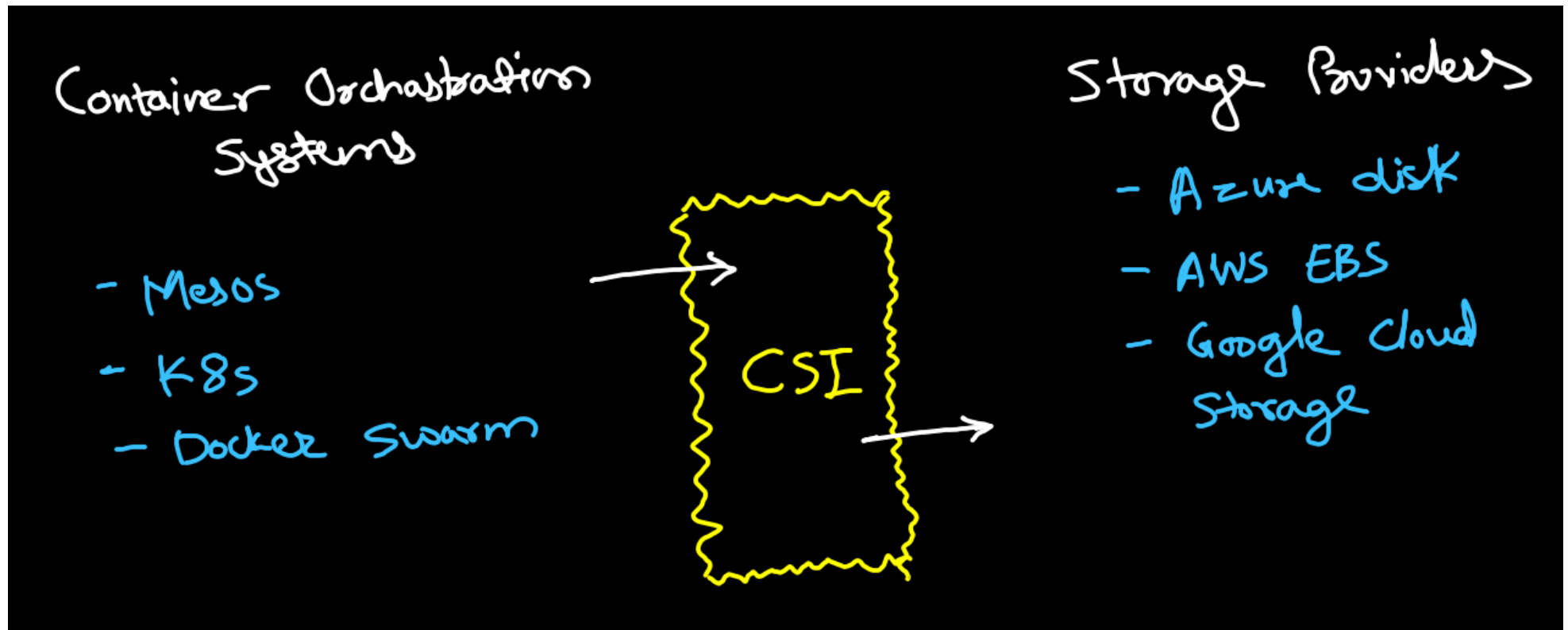# Container Storage

Container Storage Interface (CSI):

- CSI standardizes how orchastration systems access to various storage providers.

Kuberenets Backing Store and etcd:

- Components of K8s cluster each needs level of protection in case of disaster.

- K8s resources are stored in an etcd (can be backed by MariaDB)

- etcd is a strongly consistent, disctributed key-value store that provides a reliable way to store data that needs to be accessed by distributed systems.

- Things that use etcd:
  - K8s
  - CoreDNS
  - Rook
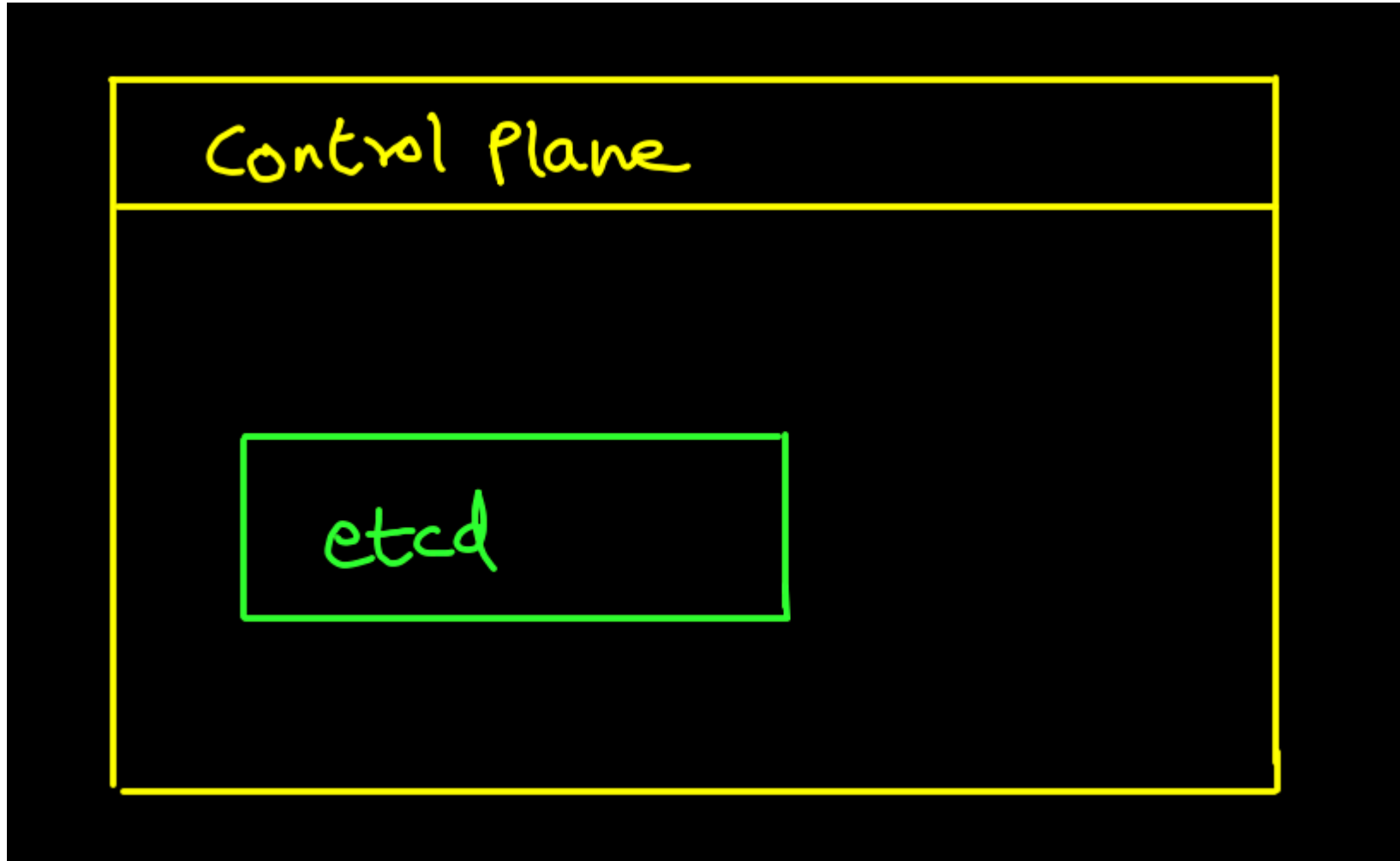
Rook:

- It automates the tasks of storage administrators
- It turns distributed storage system into self managing, self-scaling, self-healing storage service

[Rook logo](#)

MinIO:

- Offers high performance, S3 compatible object storage
- Native to k8s, MinIo is the only object storage suite available for cloud
- It is open sourced under GNU license