

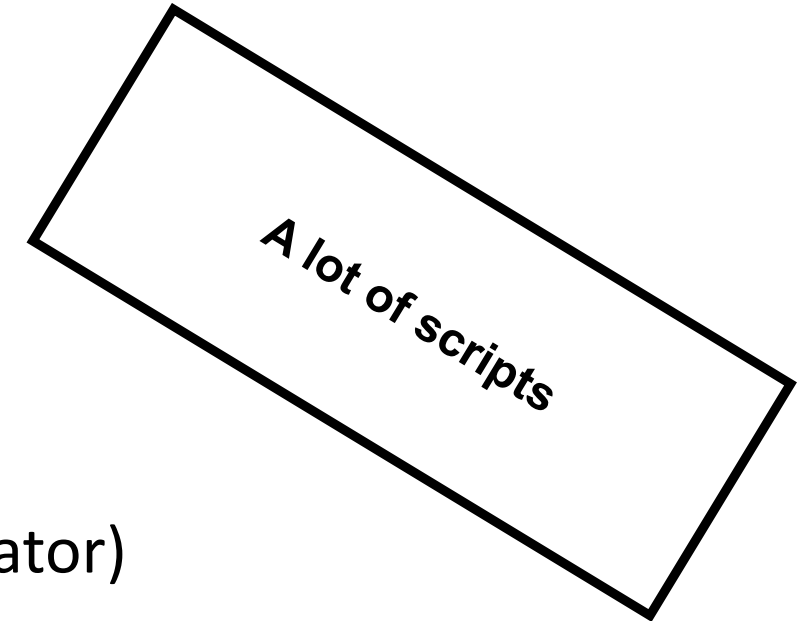
Hyperledger Fabric

Moving from MVP to Production

Shift focus from functionality
to operateability.

Fixing your technical depths

- Cryptogen
- On-, Offboarding
- Security (TLS, HSM)
- Performance
- Availability
- Maintainability
- Deployment (there is no blockchain administrator)
- Consensus (solo to kafka)
- Privacy
- ...



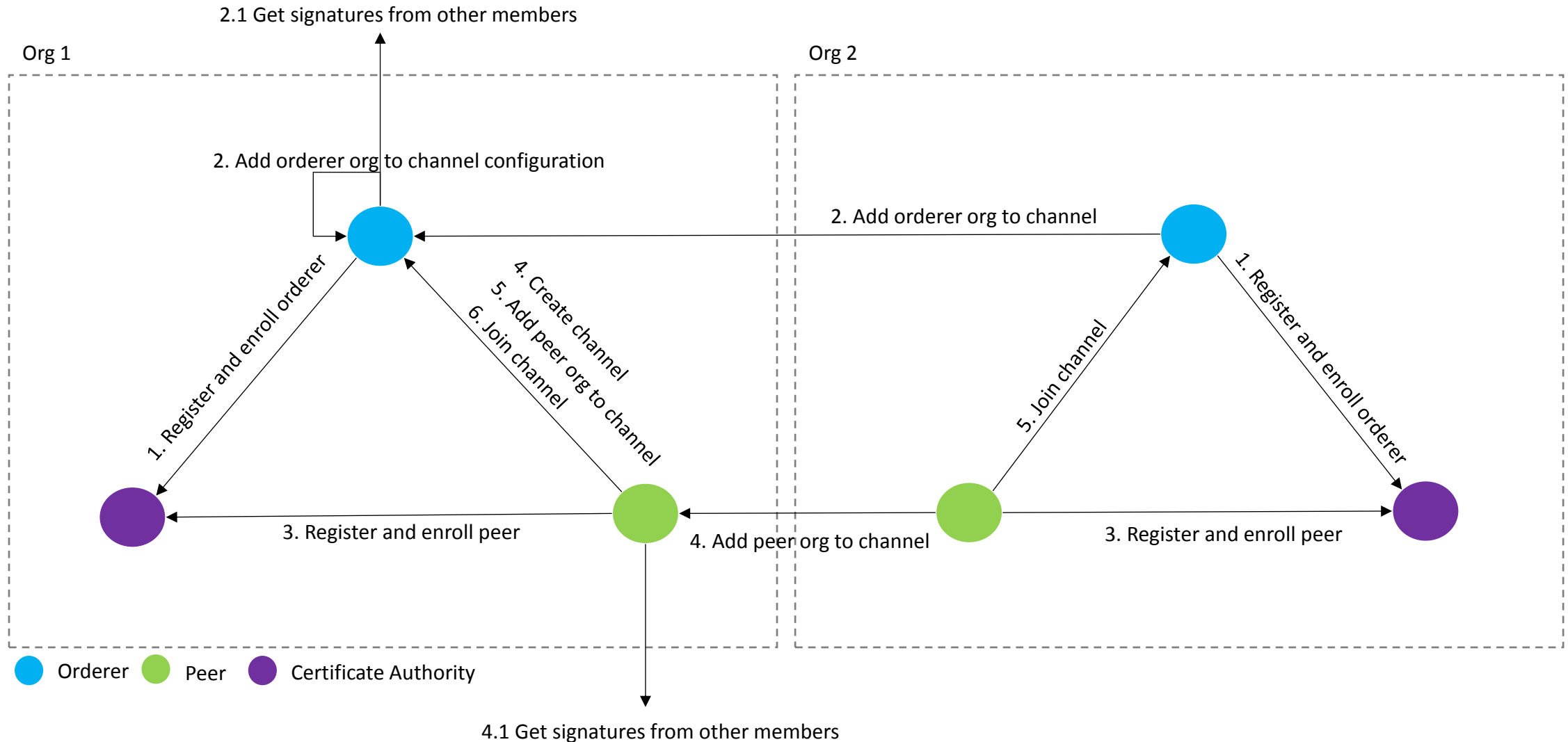
Goals

- Bootstrapping a business network should be possible by running a **single command**.
- The network should be manageable **without a UI**.
- The network should be **horizontally scaleable** (auto-scaling).
- Participating in a business network should be possible by running a **single command**.

Assumptions

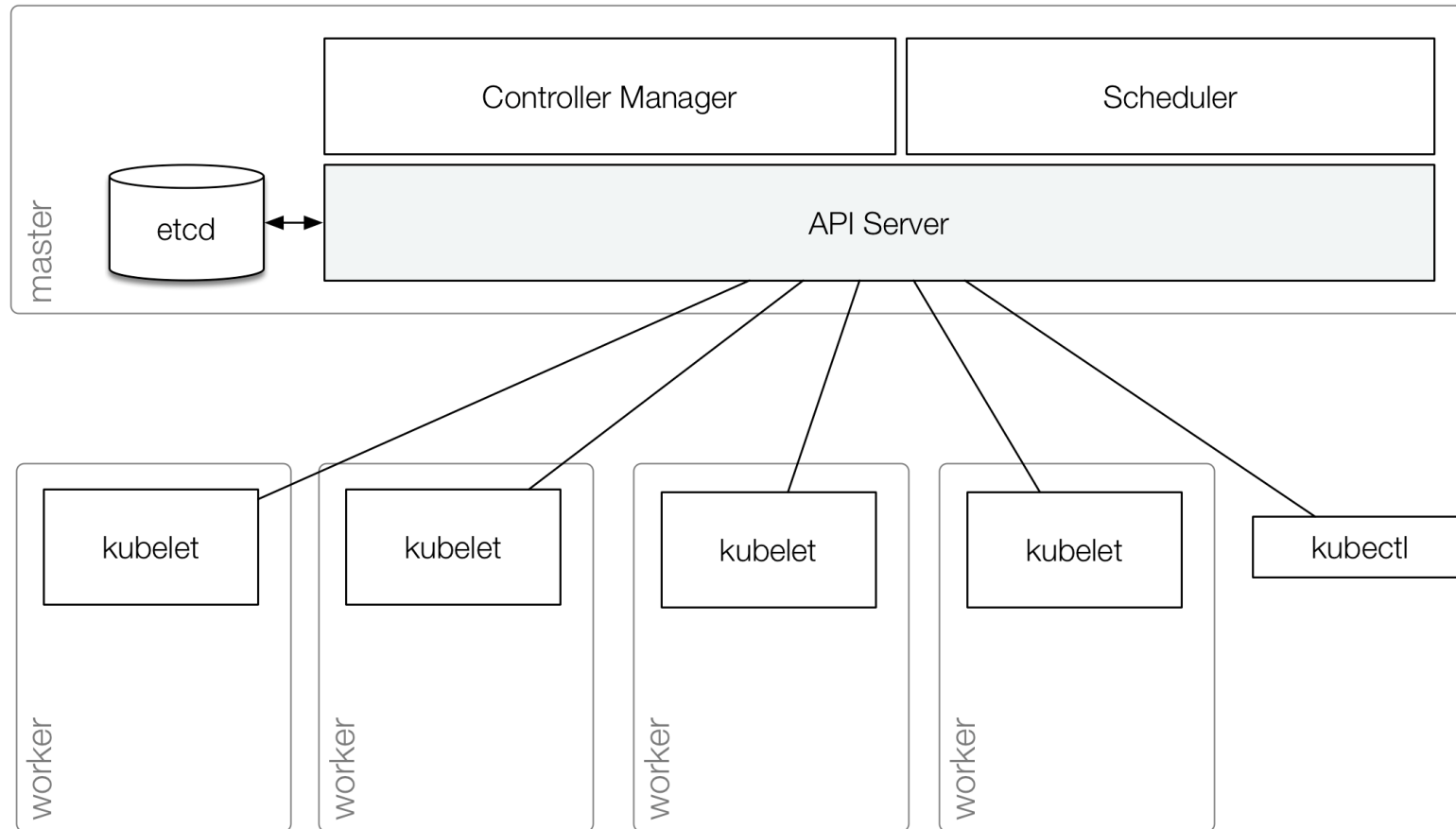
- All negotiations for an organization to join a network are performed off blockchain.
- Once an organization has been accepted, it will get access to a deliverable so that the organization can ...
 - Perform plausibility checks on the smart contract.
 - Connect itself to the network and bootstrap its node.

Bootstrapping a network



Kubernetes recap

cloud agnostic service orchestration

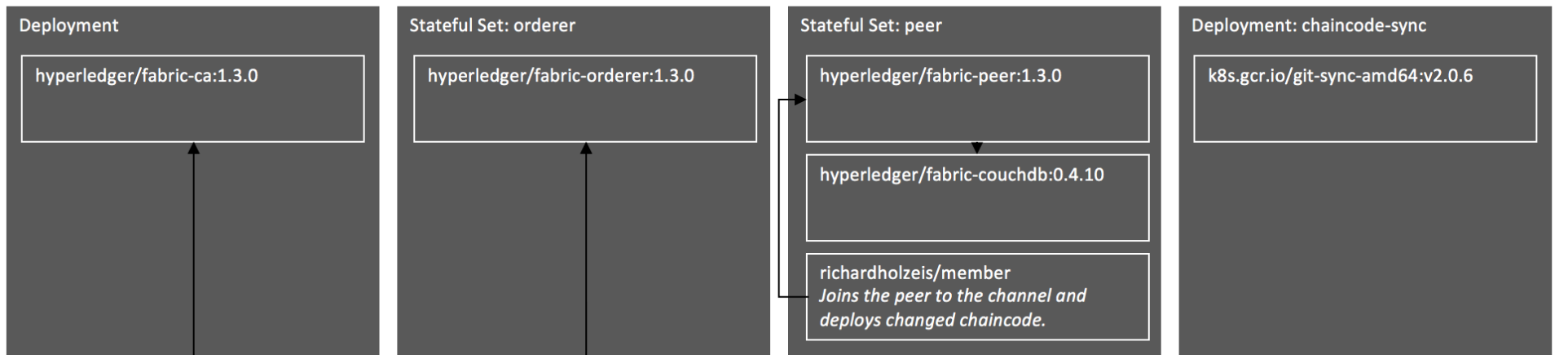


Key resource types

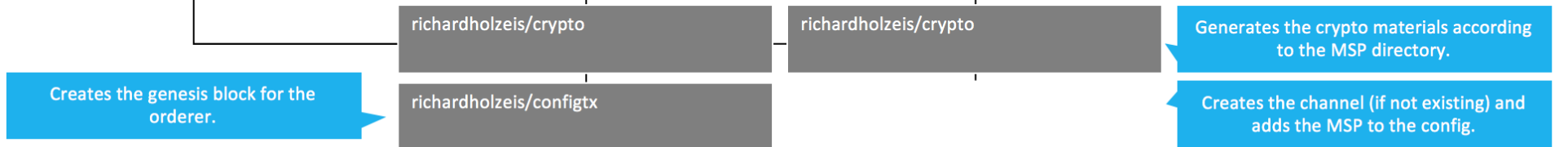
- Pod (manages containers)
- Replication controller / Replica set
- Deployment / Stateful set
- Service
- Config map
- Persistent Volume (Claims)

Namespace

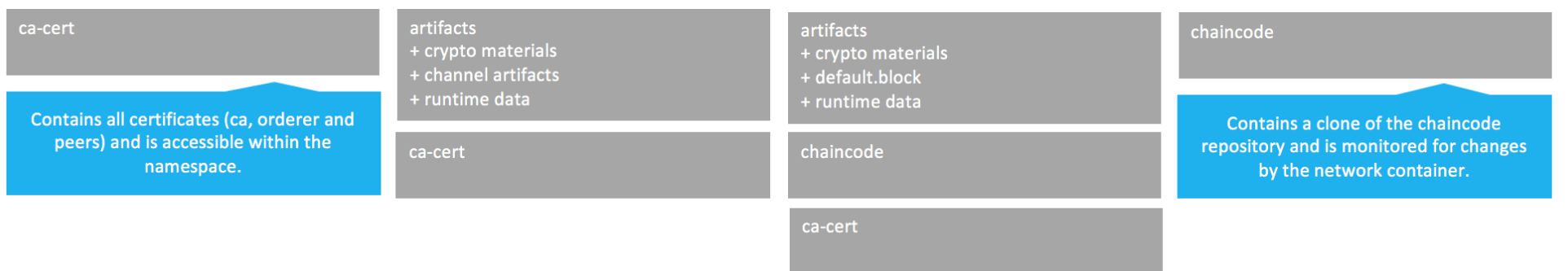
Pods



Init



Volumes



Config



- Demo -