- Sometimes pods will need to have a state

  → info that persists through failure
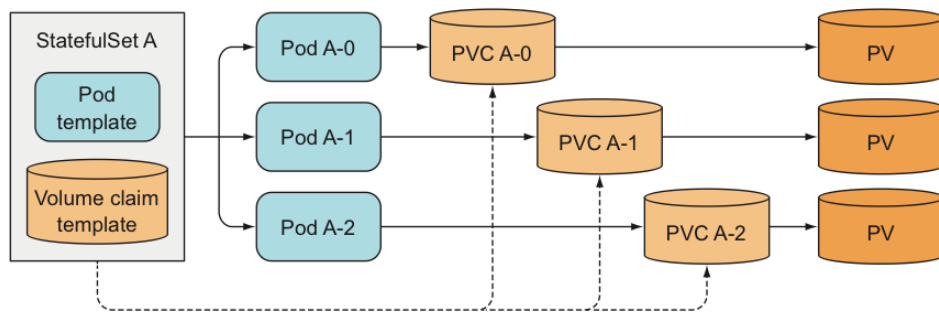
  → replaced pods must have the same
    - data
    - name
    - network

* Stateful Replication manages pods through failure while maintaining their states

Stateful Set

- defines an app template
- and a volume template

- dynamically partitions volumes
- names pods in consistent manner

Services

- headless service to control pod connections
- regular service to assign randomly

⭐ Use DNS to discover all pods w/in cluster