Demo

NetApp
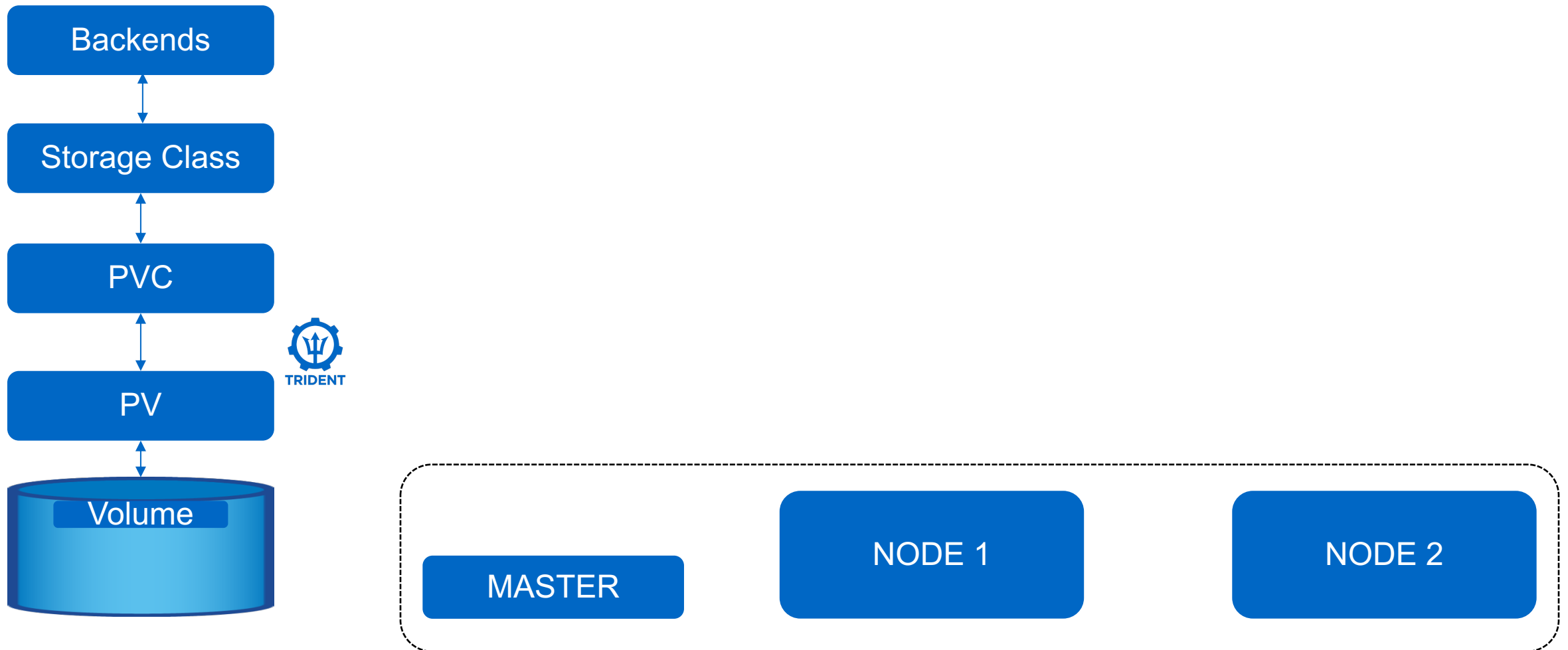
Kubernetes demo

Ansible
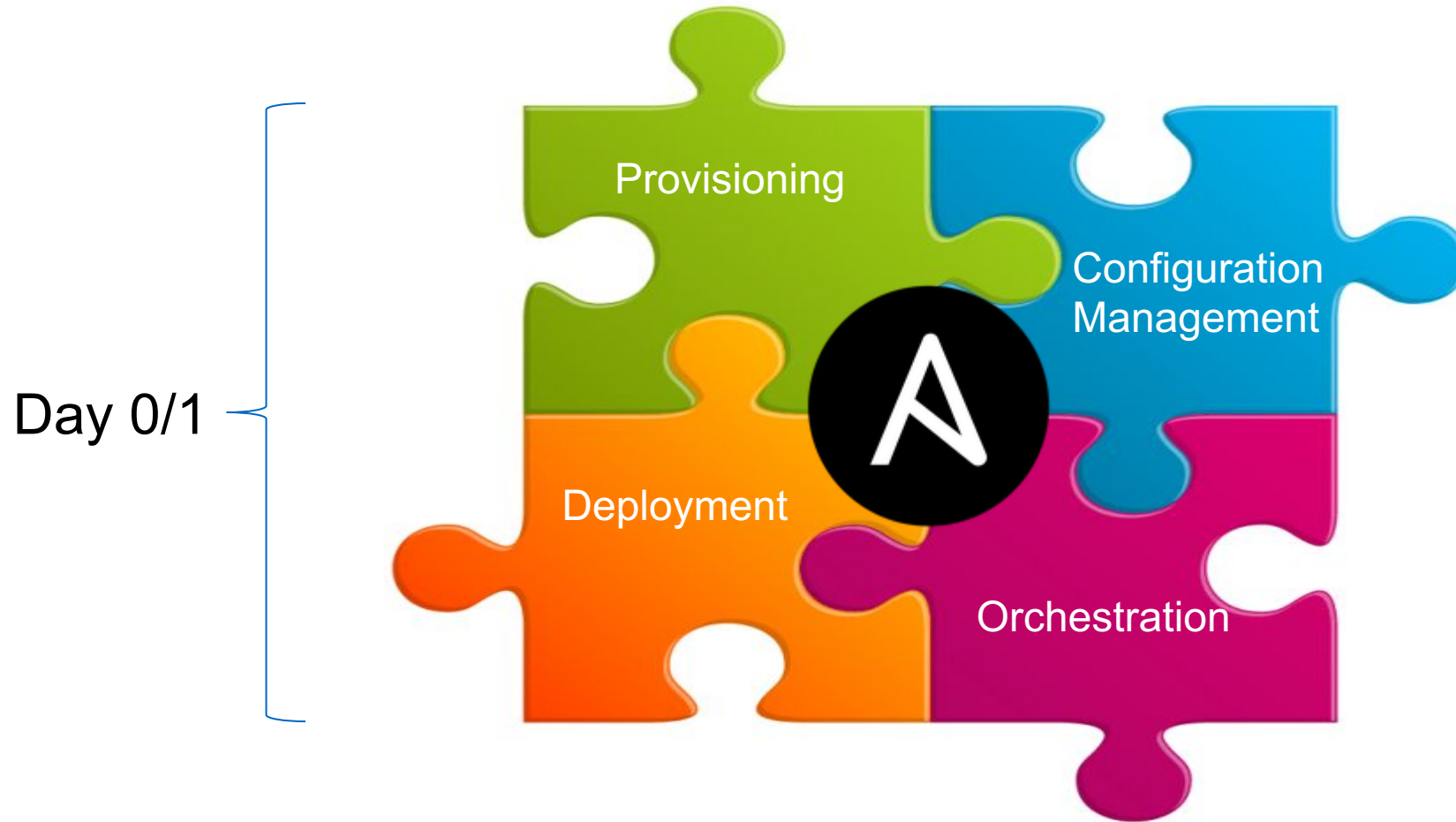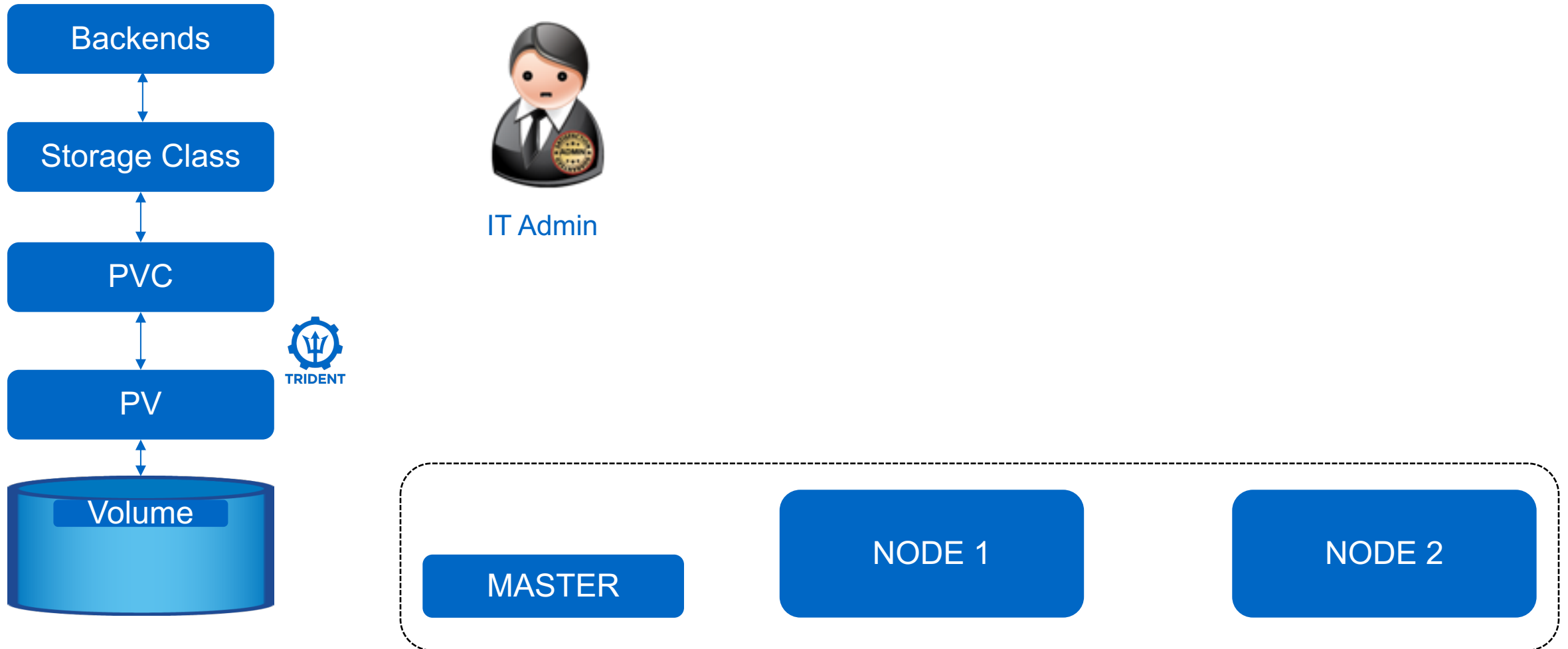
Day 0/1

NetApp

Example: Unified storage RWO & RWX

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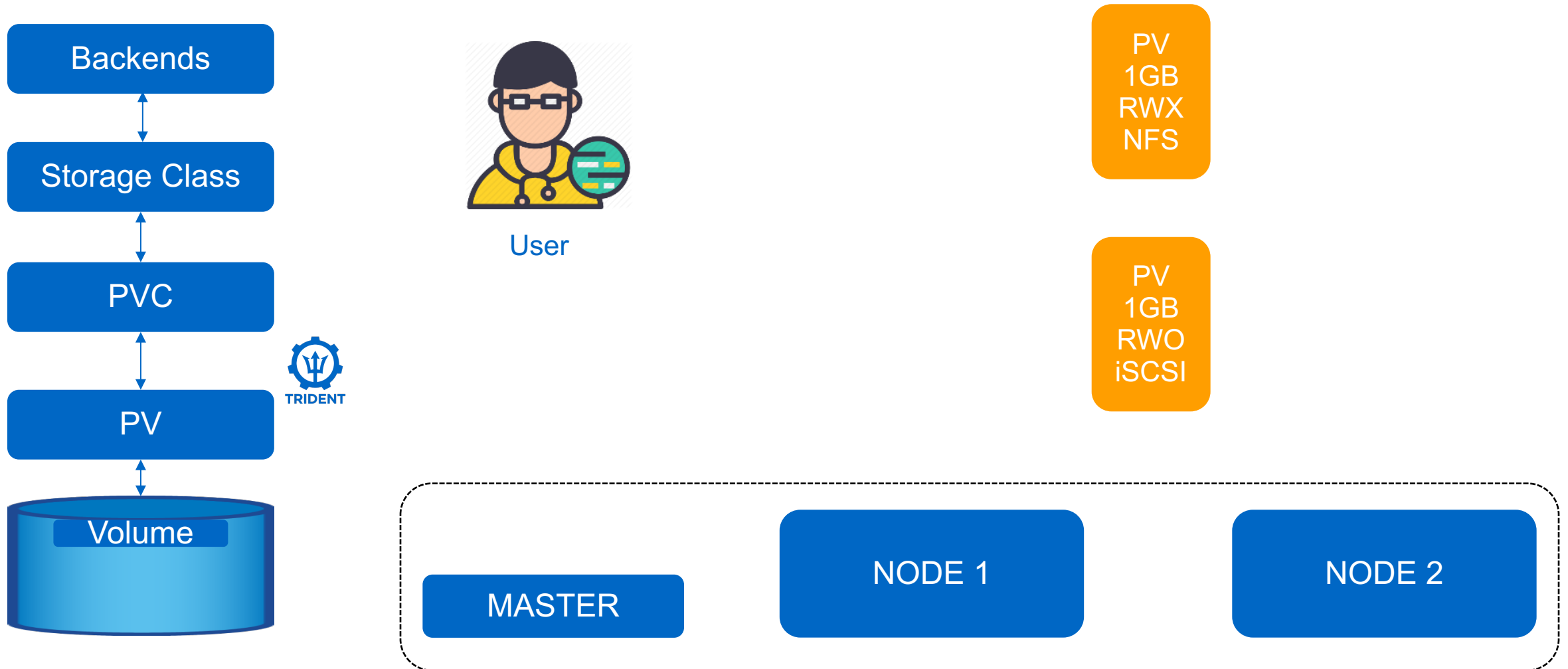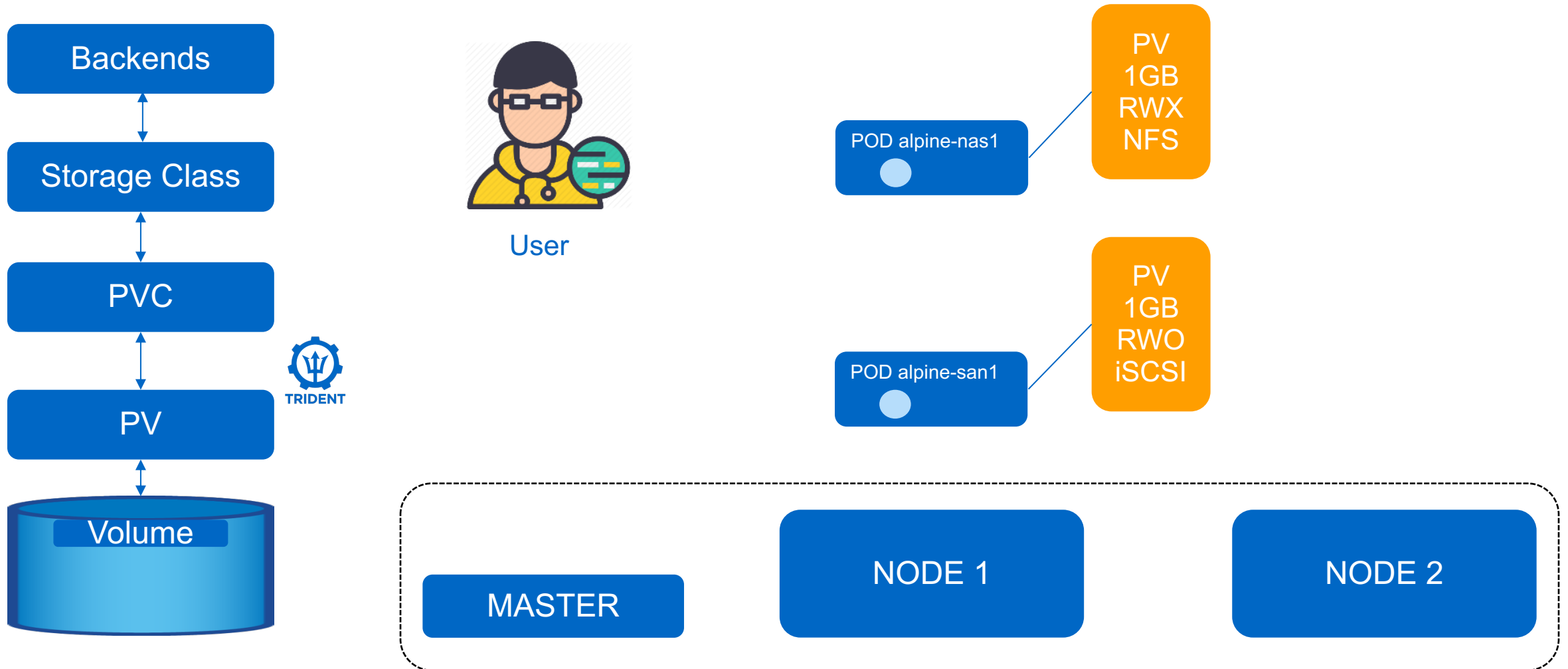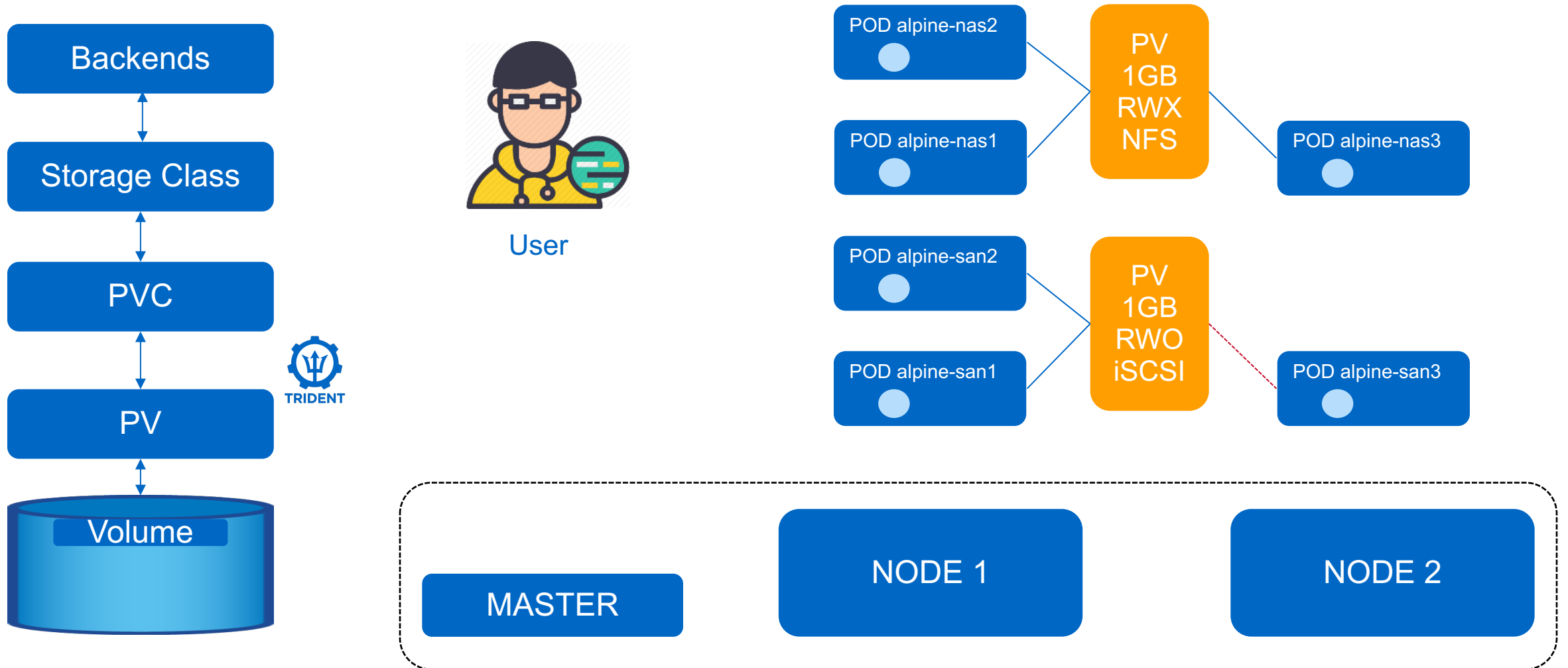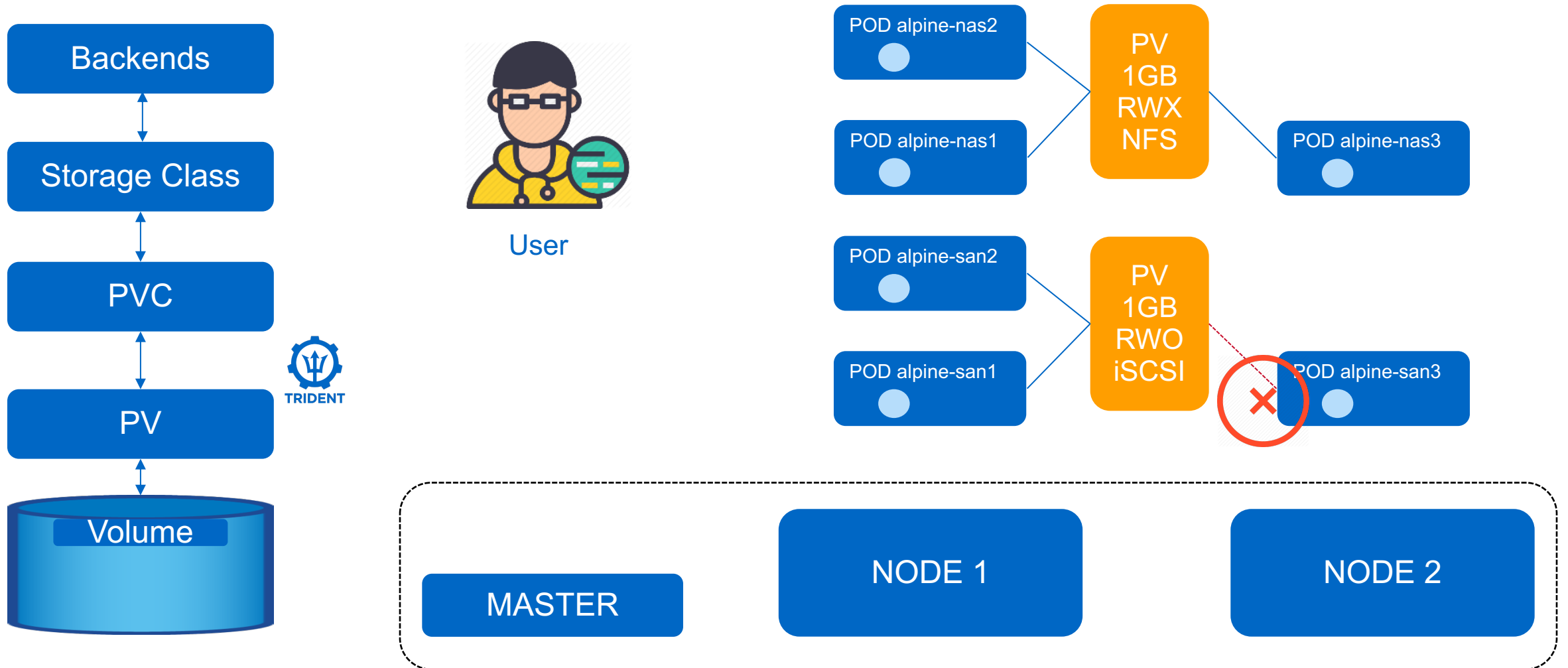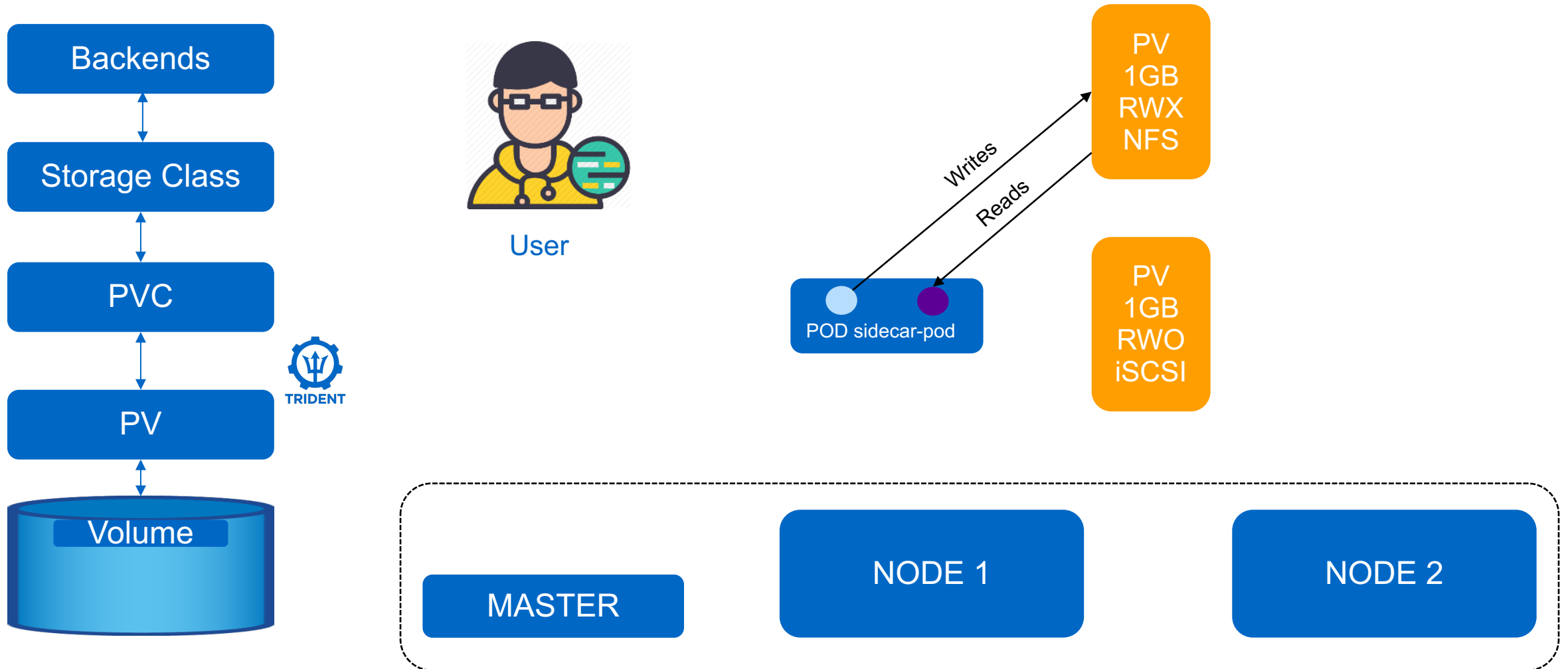
Example: Unified storage RWO & RWX

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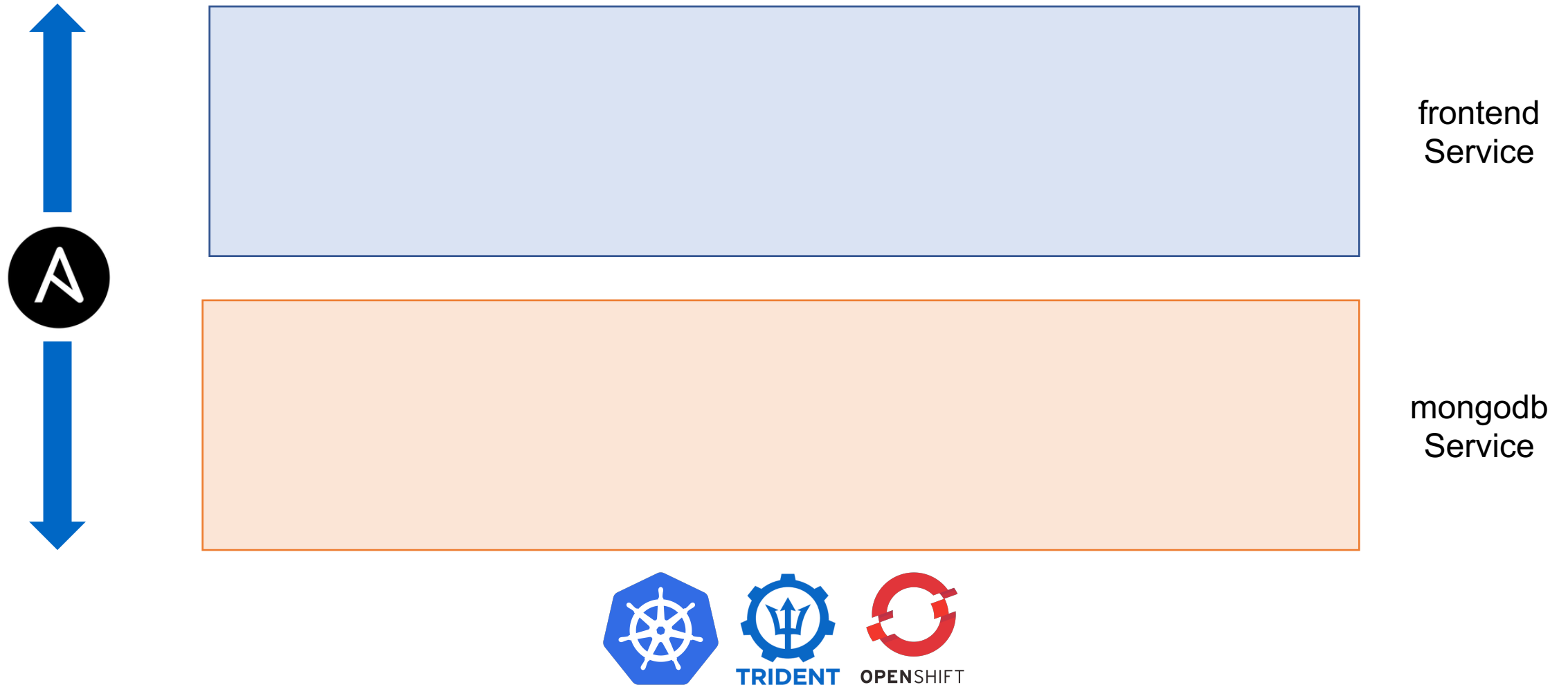
Backends

Storage Class

PVC

TRIDENT

PV

Volume

User

POD sidecar-pod

Writes

Reads

PV
1GB
RWX
NFS

PV
1GB
RWO
iSCSI

MASTER

NODE 1

NODE 2

NetApp

Example: Unified storage RWO & RWX

Backends

Storage Class

PVC

TRIDENT

PV

Volume

User

PV
1GB
RWX
NFS

Writes
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POD sidecar-pod

PV
1GB
RWO
NFS

POD RWO

MASTER

NODE 1

NODE 2

■ NetApp
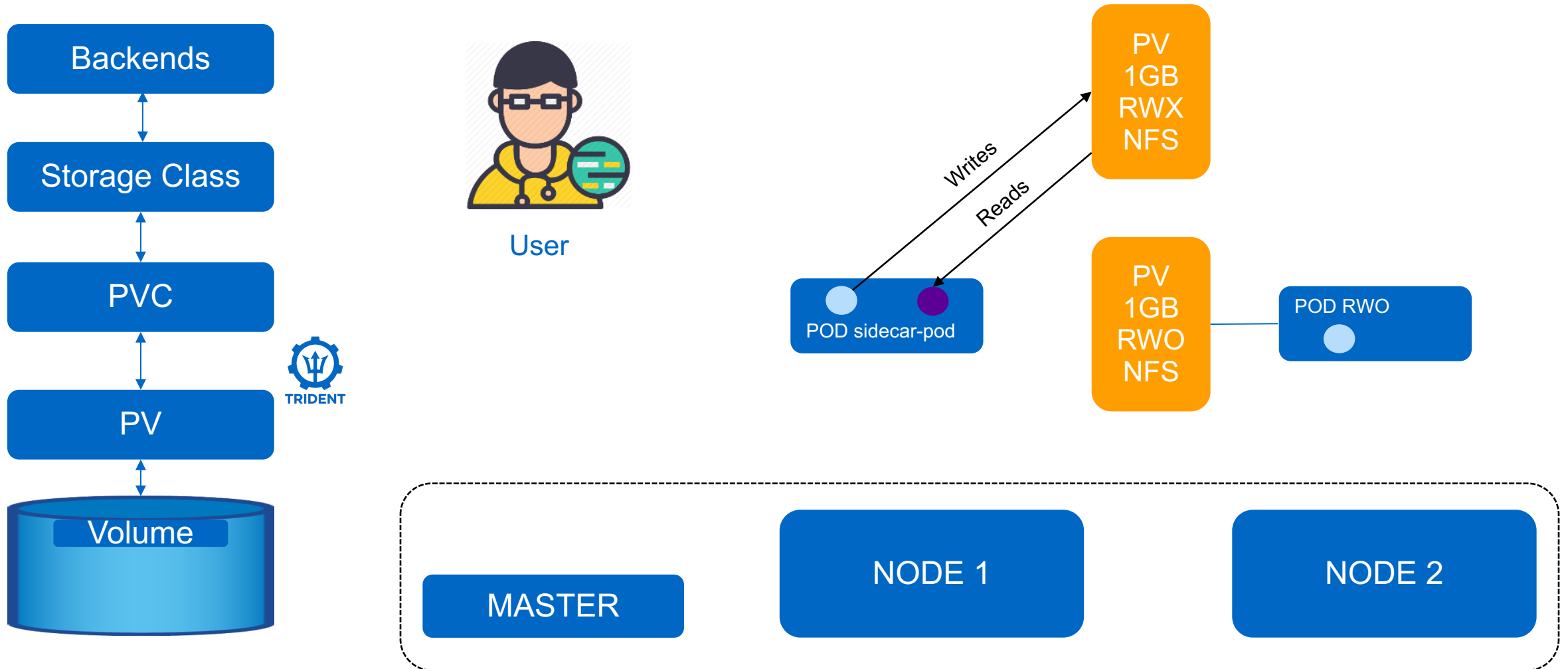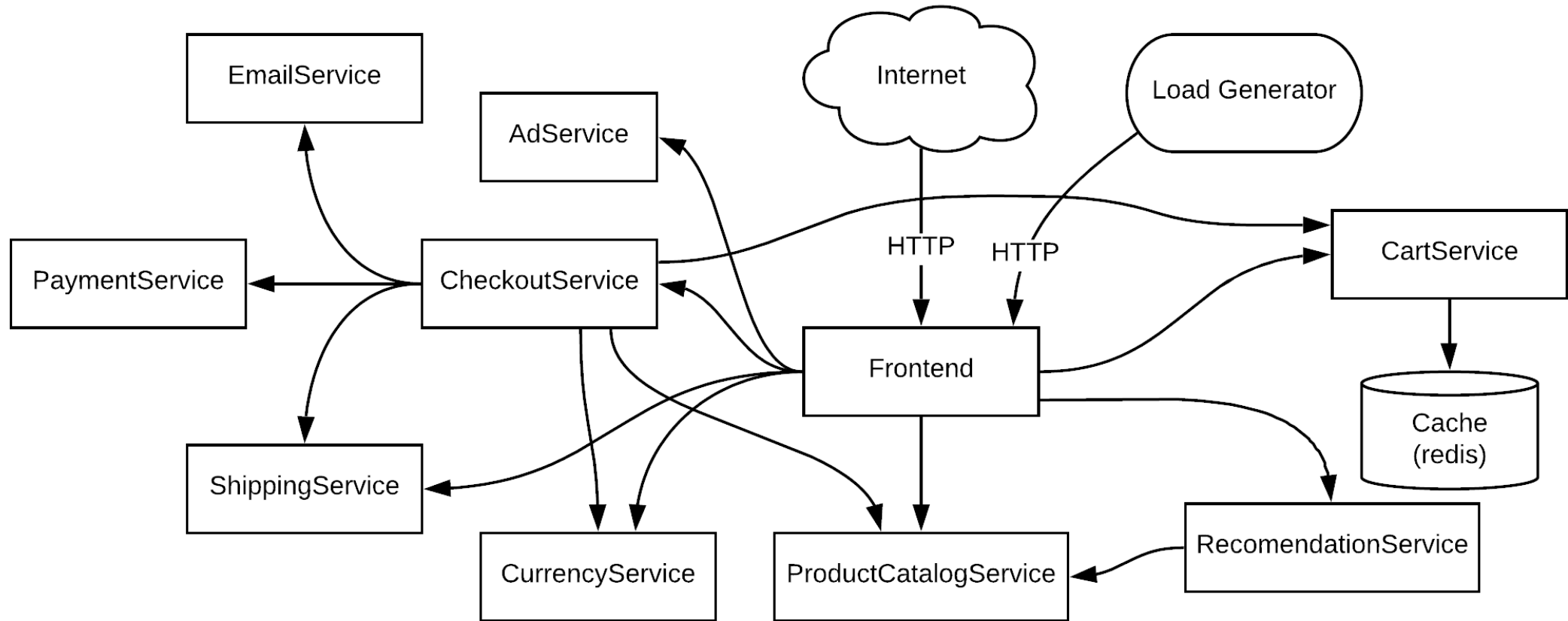
New tier application architecture with Kubernetes

New tier application architecture with Kubernetes

frontend
Service

mongodb
Service

NetApp

New tier application architecture with Kubernetes

frontend
Service

ReadWriteMany

mongodb
Service

NetApp

New tier application architecture with Kubernetes

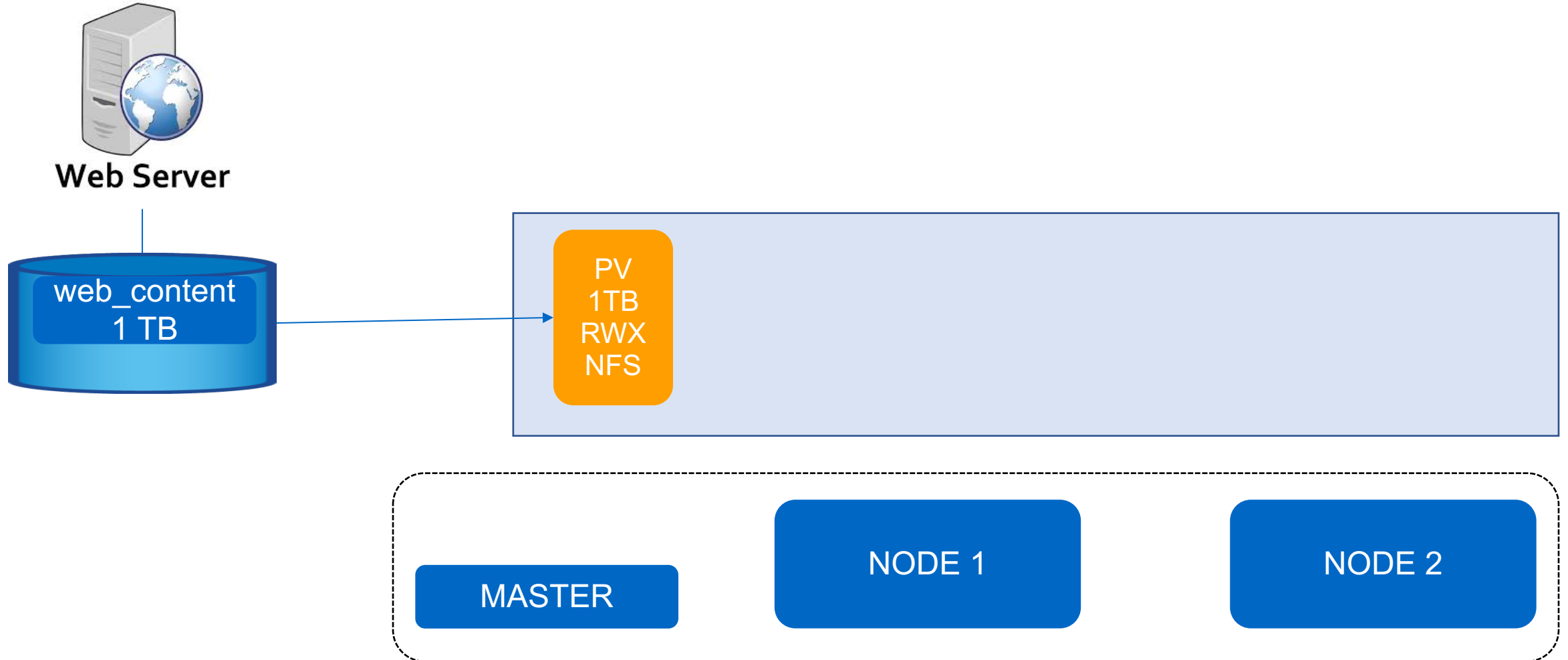frontend
Service

mongodb
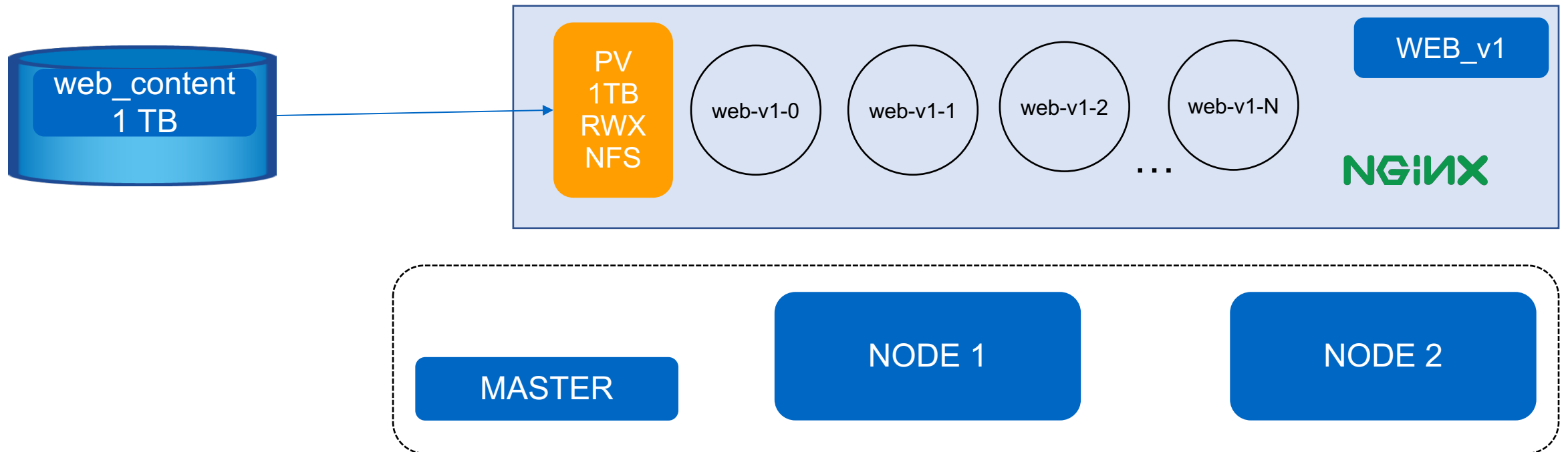Service
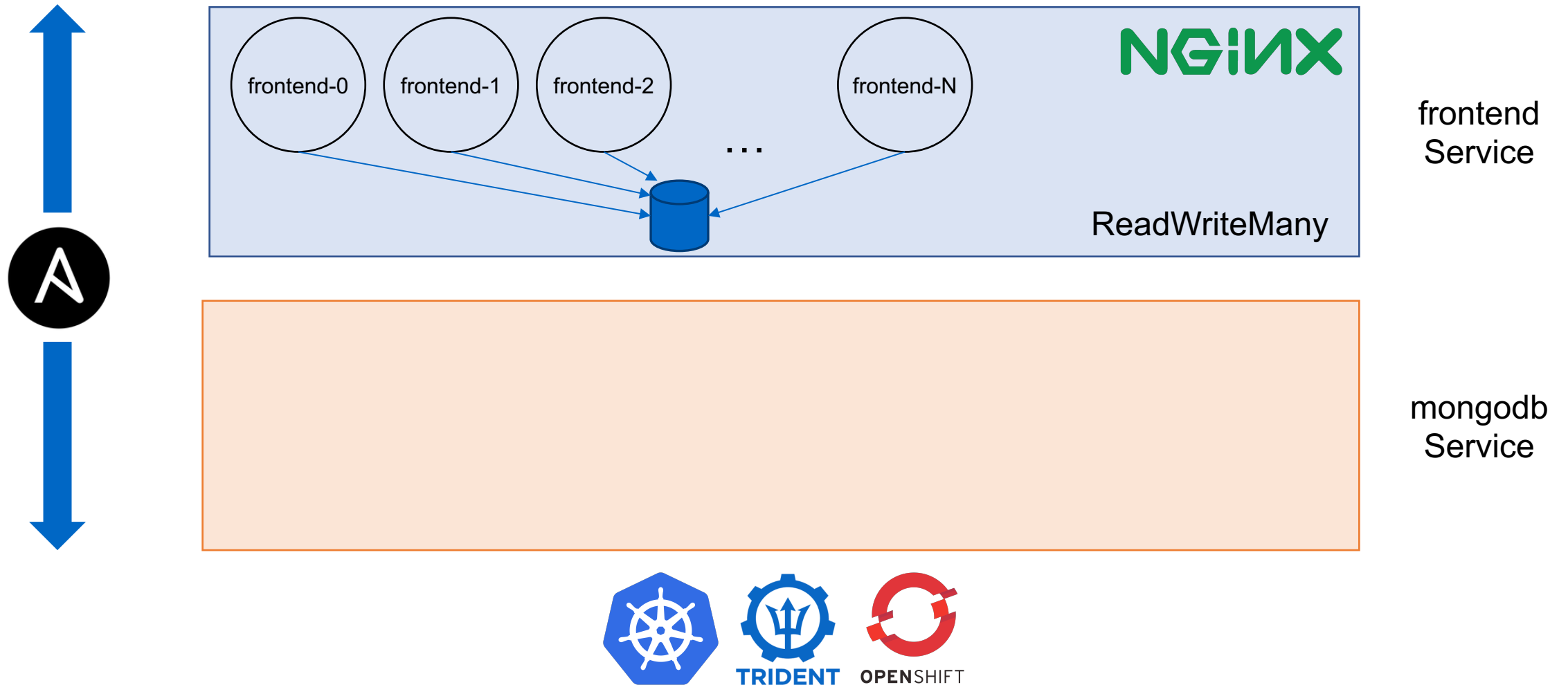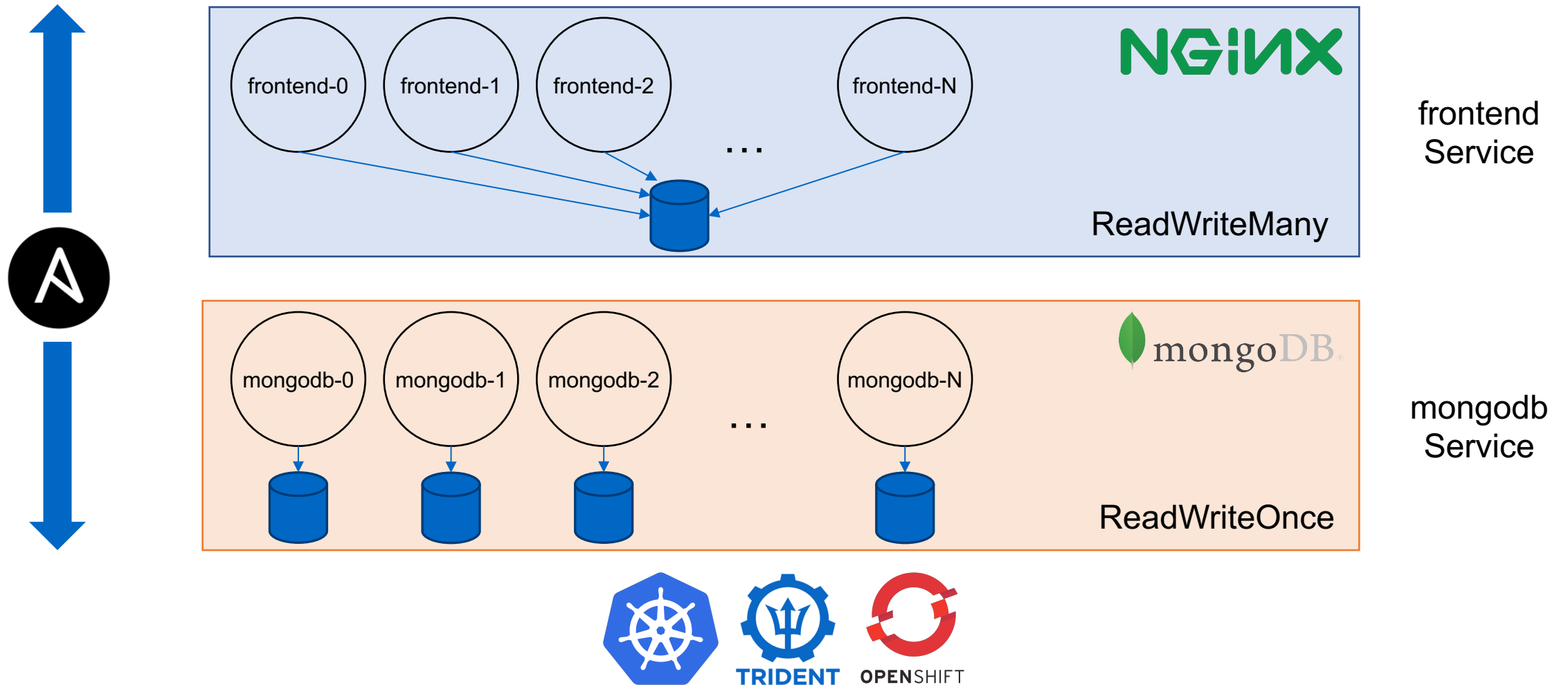
Volume Import

Use cases:

- Migrate existing monolithic applications into containers

- Volume migration – Migrate your data from one Kubernetes cluster to another

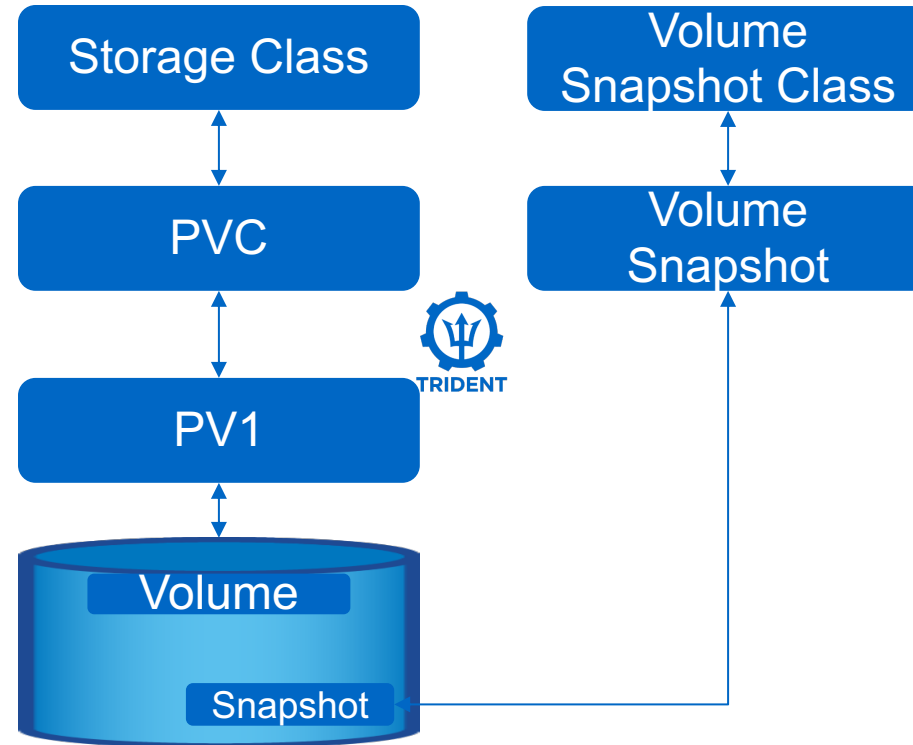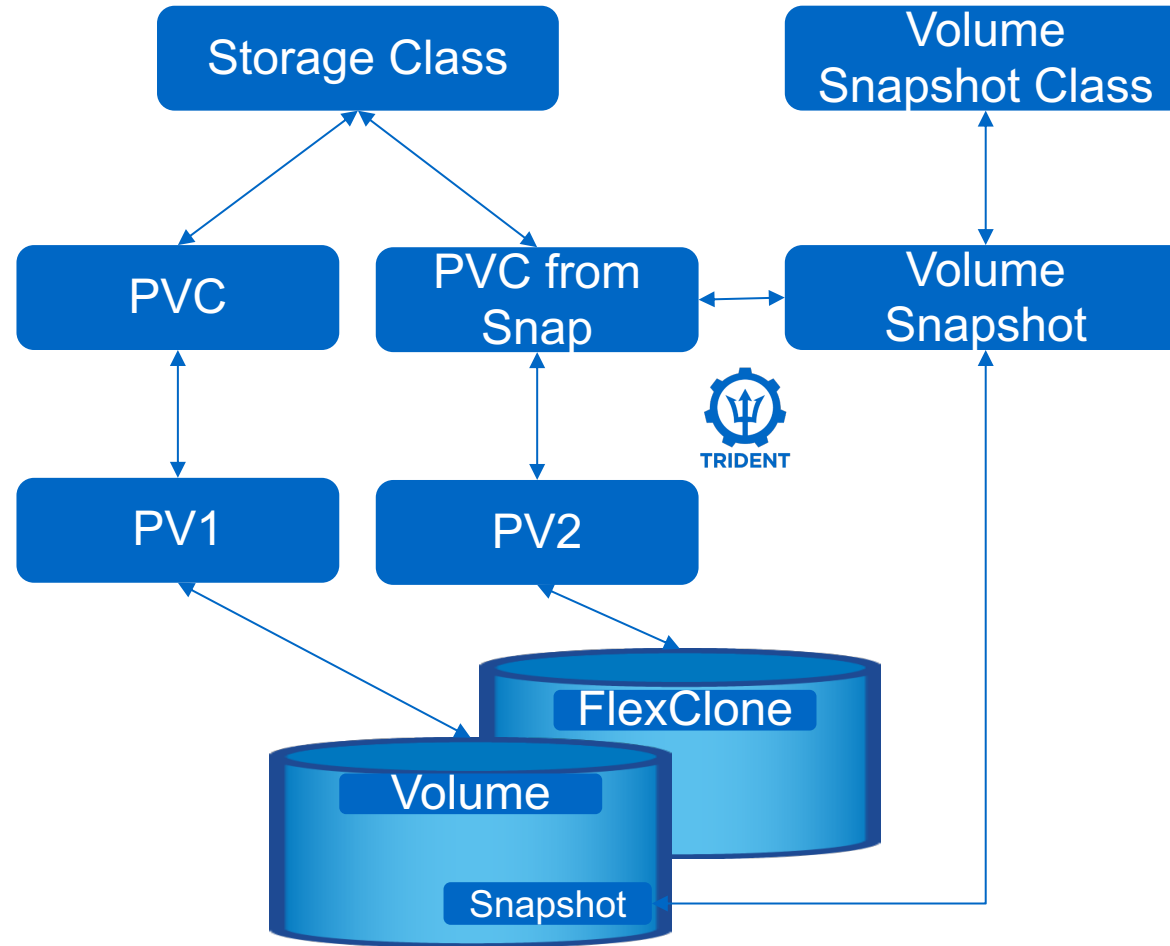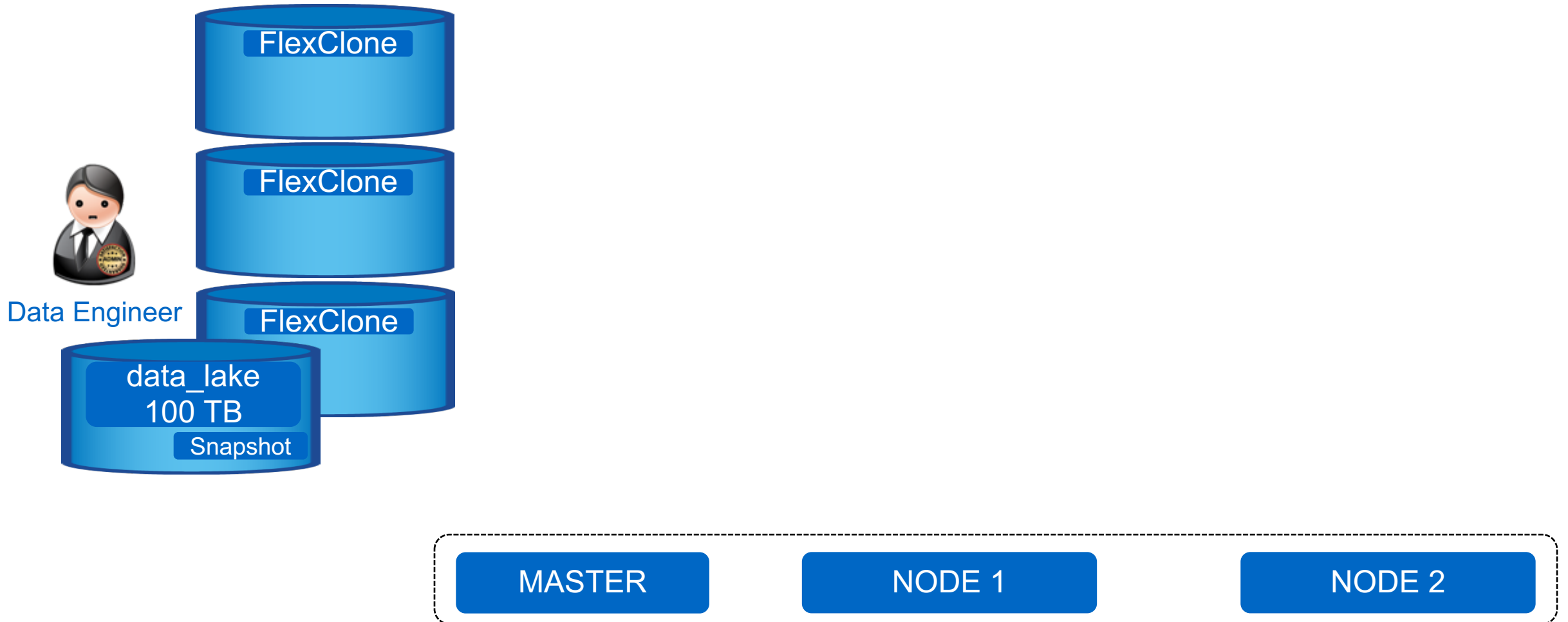- Kubernetes re-build

- Data Management disaster recovery

Trident-Managed

NetApp

Volume Import

NetApp
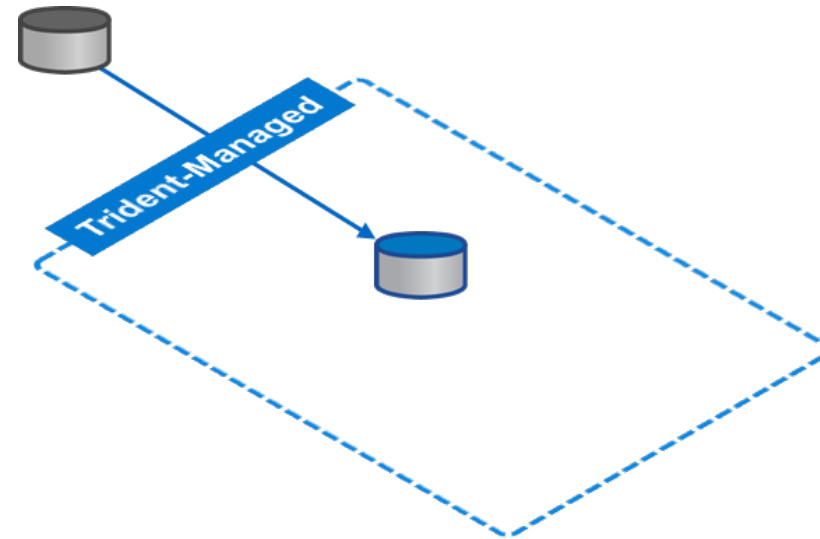
Volume Import

Kubernetes CSI Snapshot

NetApp

Kubernetes CSI PVC from Snapshot (aka Clone)

Kubernetes CSI PVC from Snapshot (aka Clone)

Data Engineer

FlexClone

FlexClone

FlexClone

data_lake
100 TB
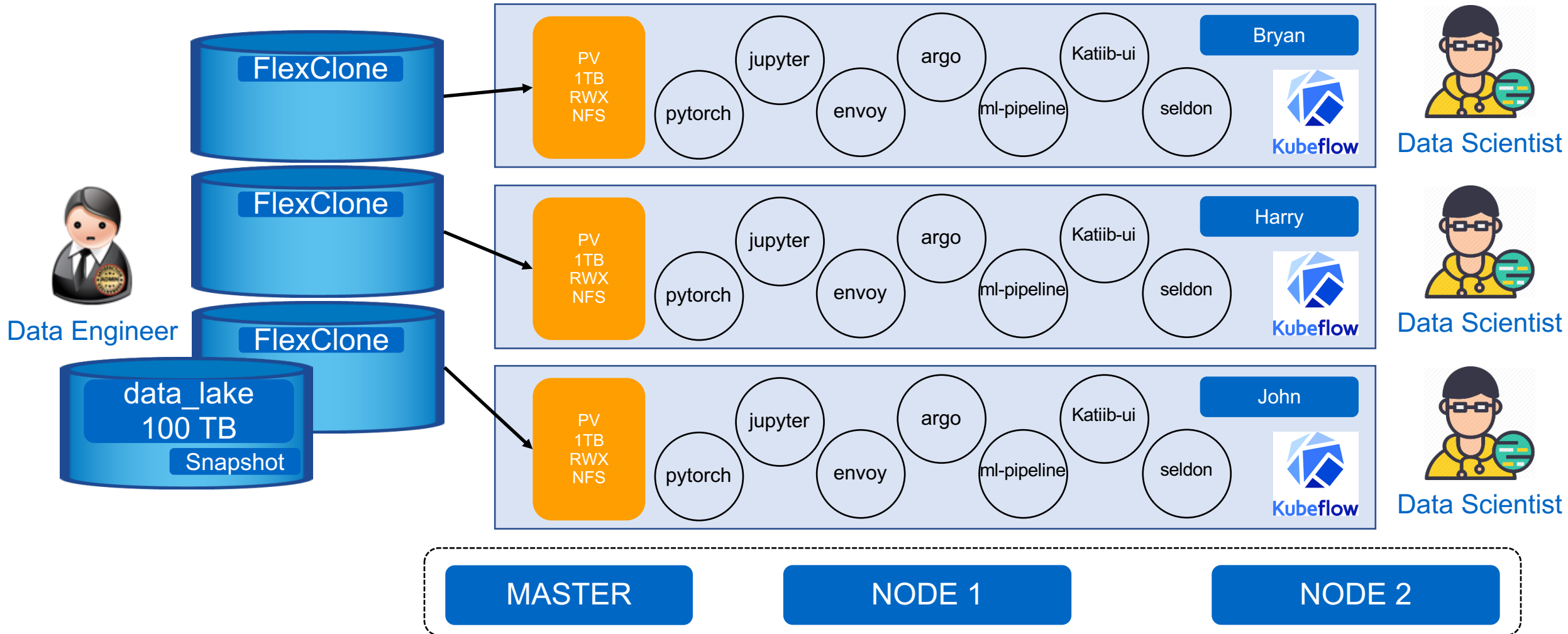
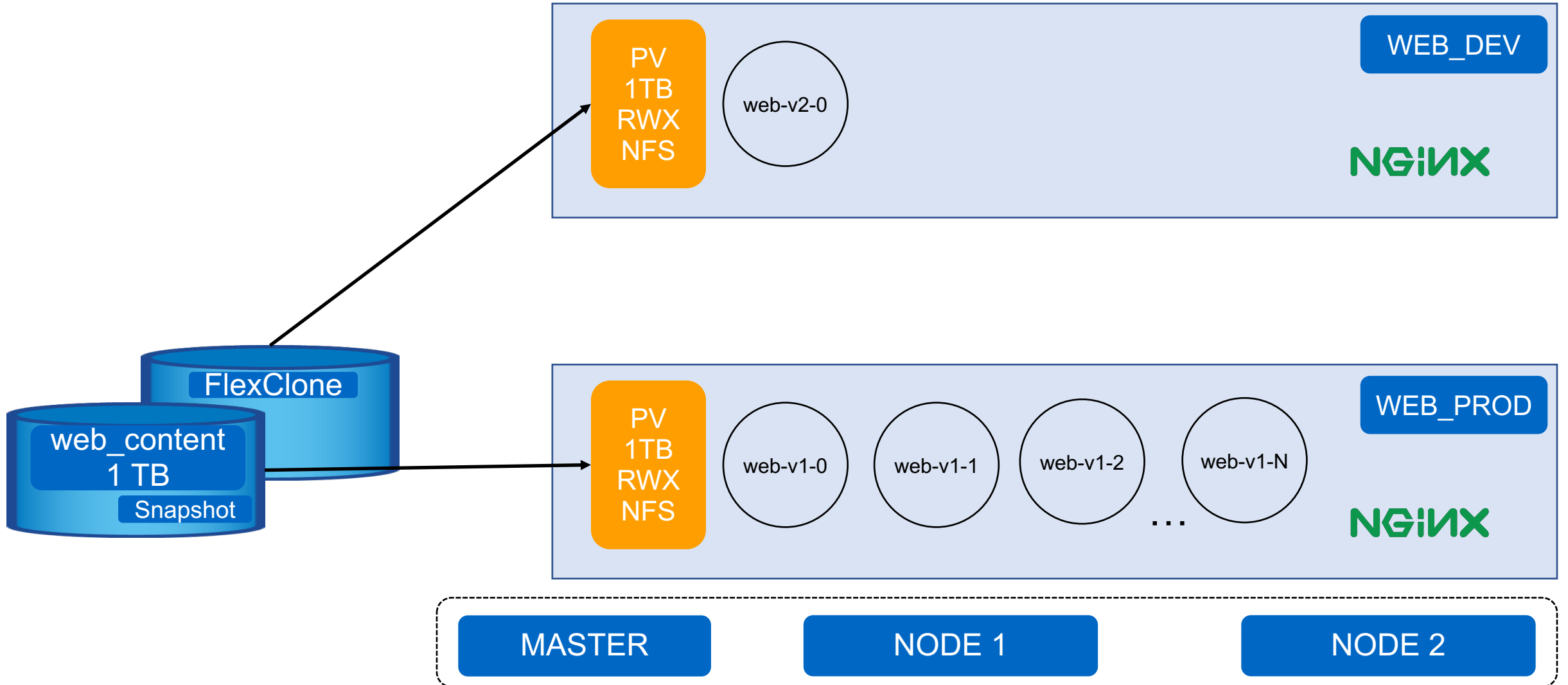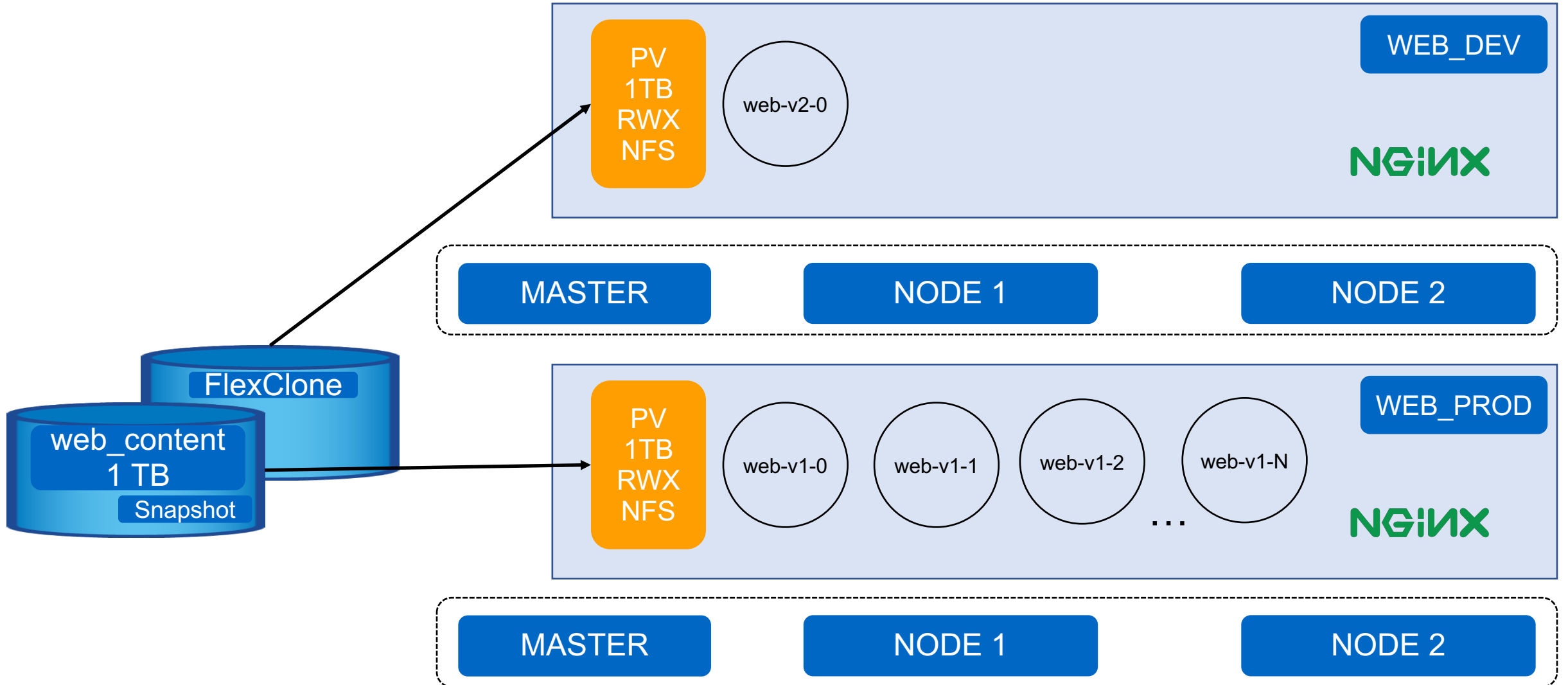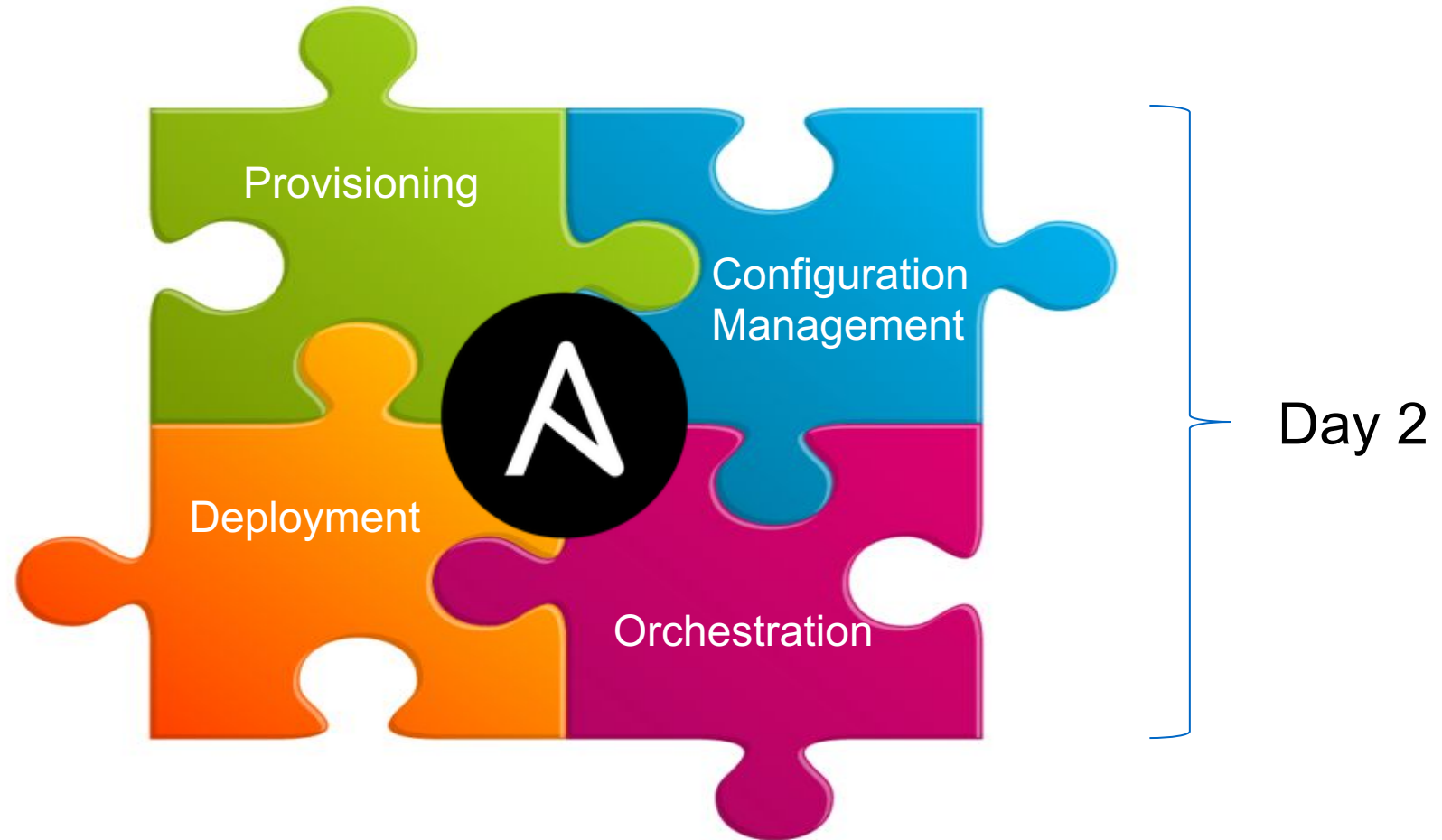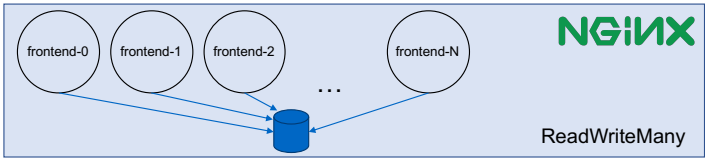Snapshot

MASTER   NODE 1   NODE 2

■ NetApp

Kubernetes CSI PVC from Snapshot (aka Clone)

Kubernetes CSI PVC from Snapshot (aka Clone)
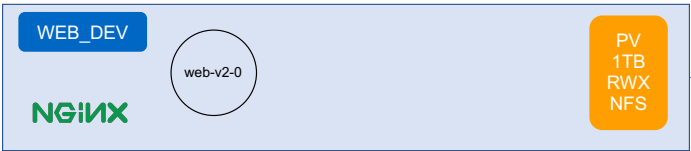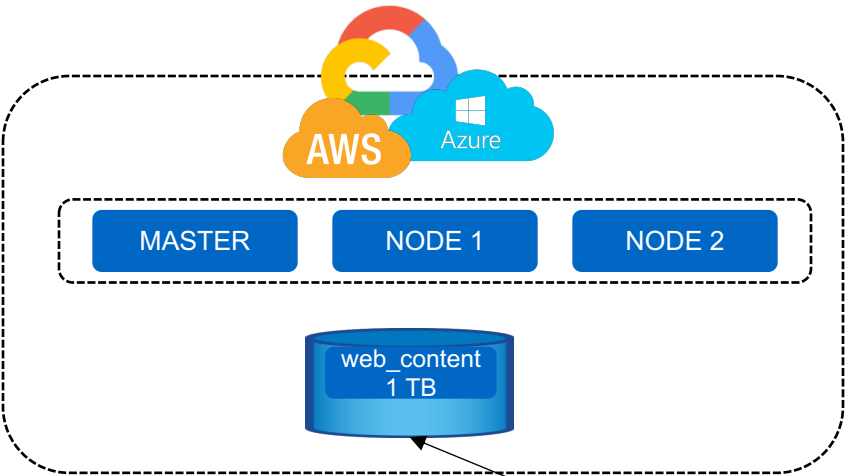
Kubernetes CSI PVC from Snapshot (aka Clone)

Ansible

Provisioning

Configuration Management

Deployment

Orchestration

Day 2

NetApp

Summary