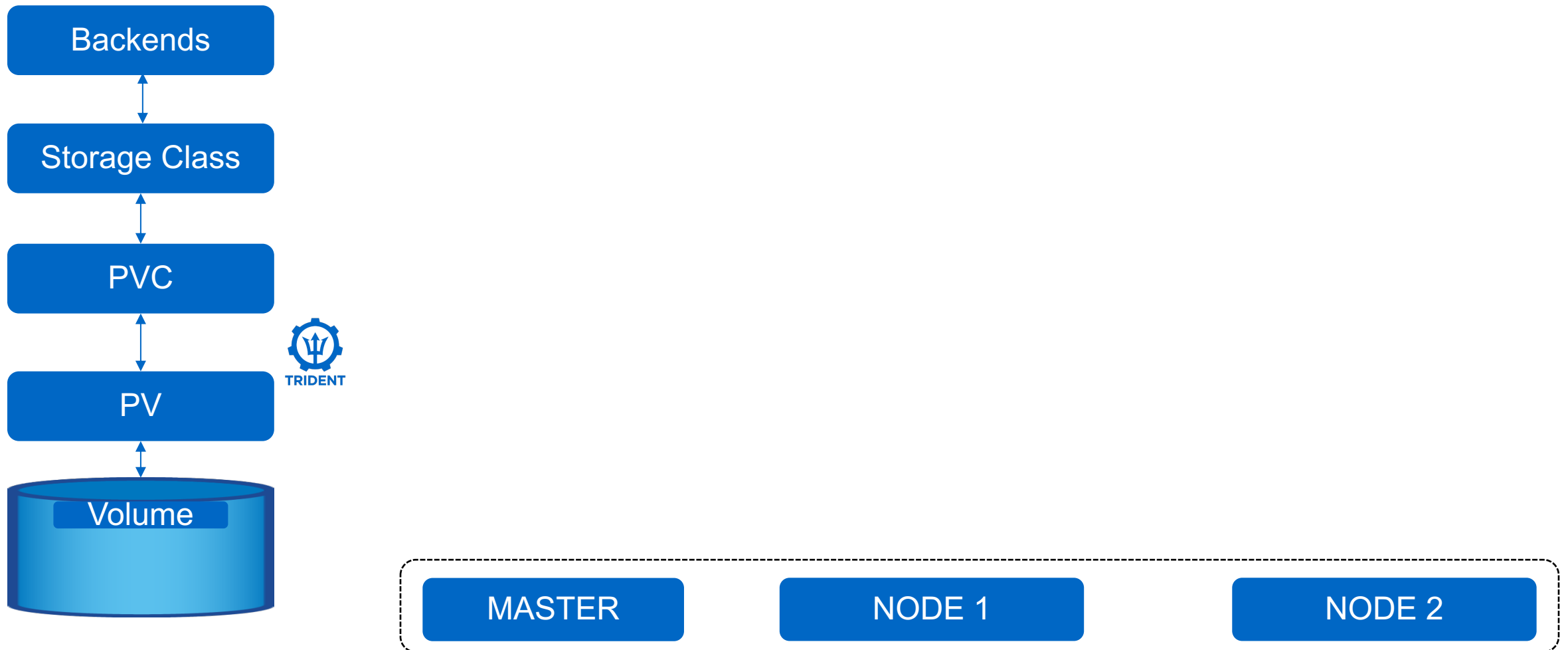




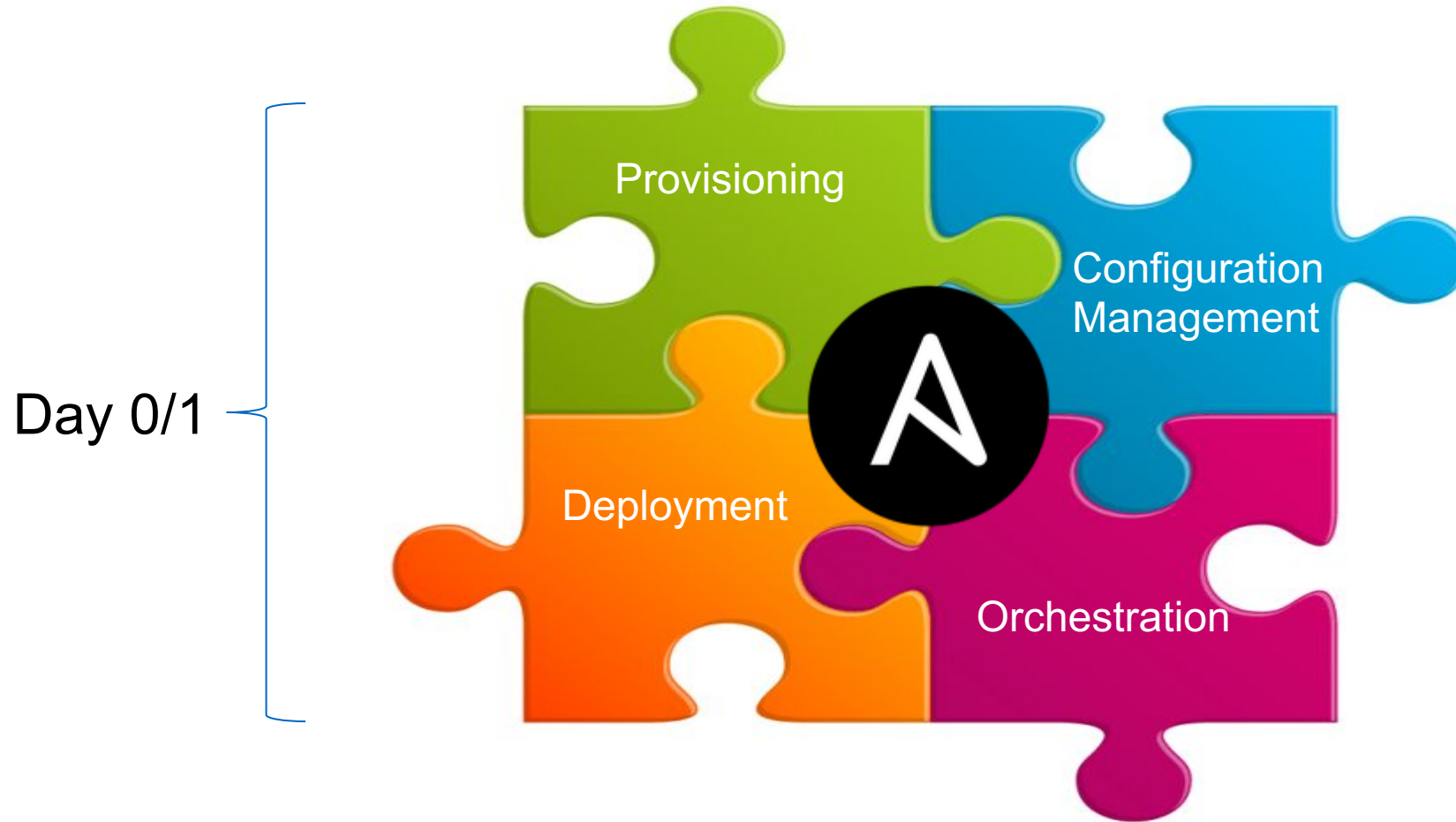
Kubernetes Persistent Volumes

Demo Trident

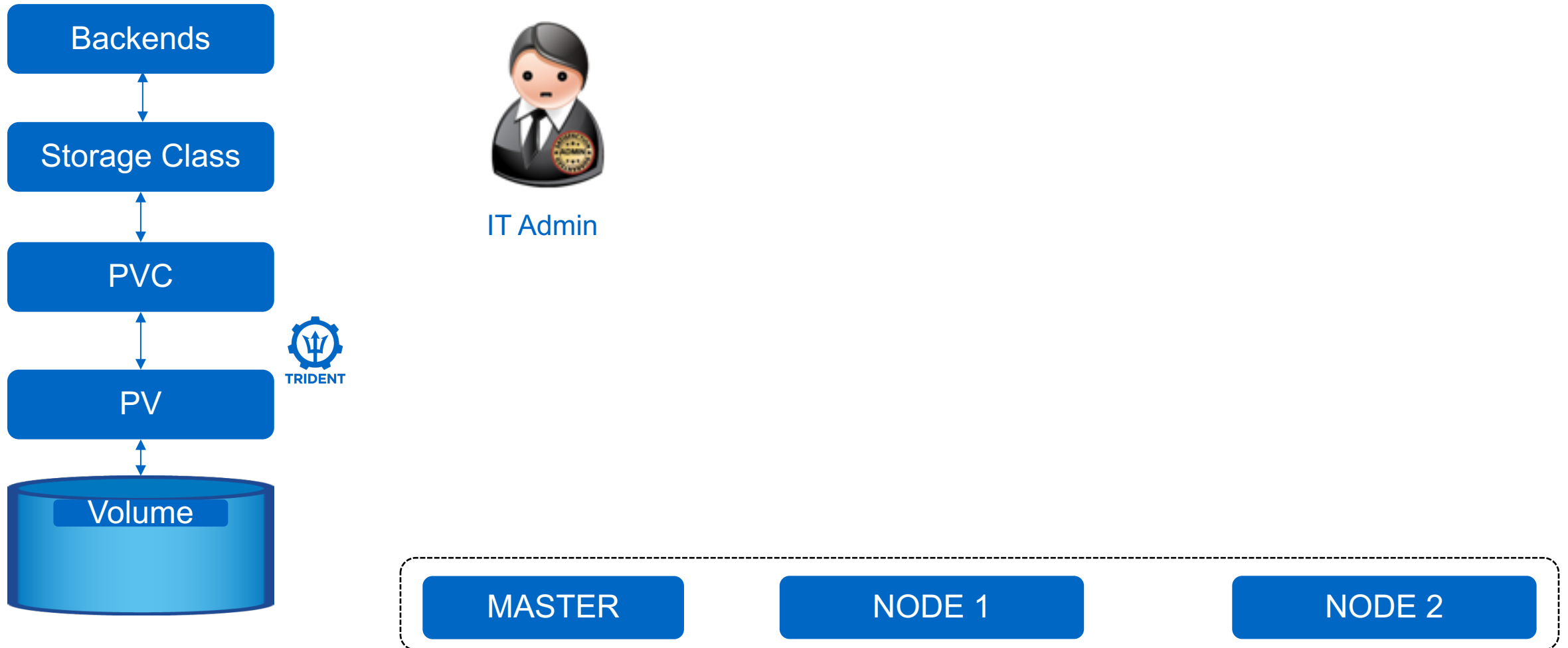
Kubernetes demo



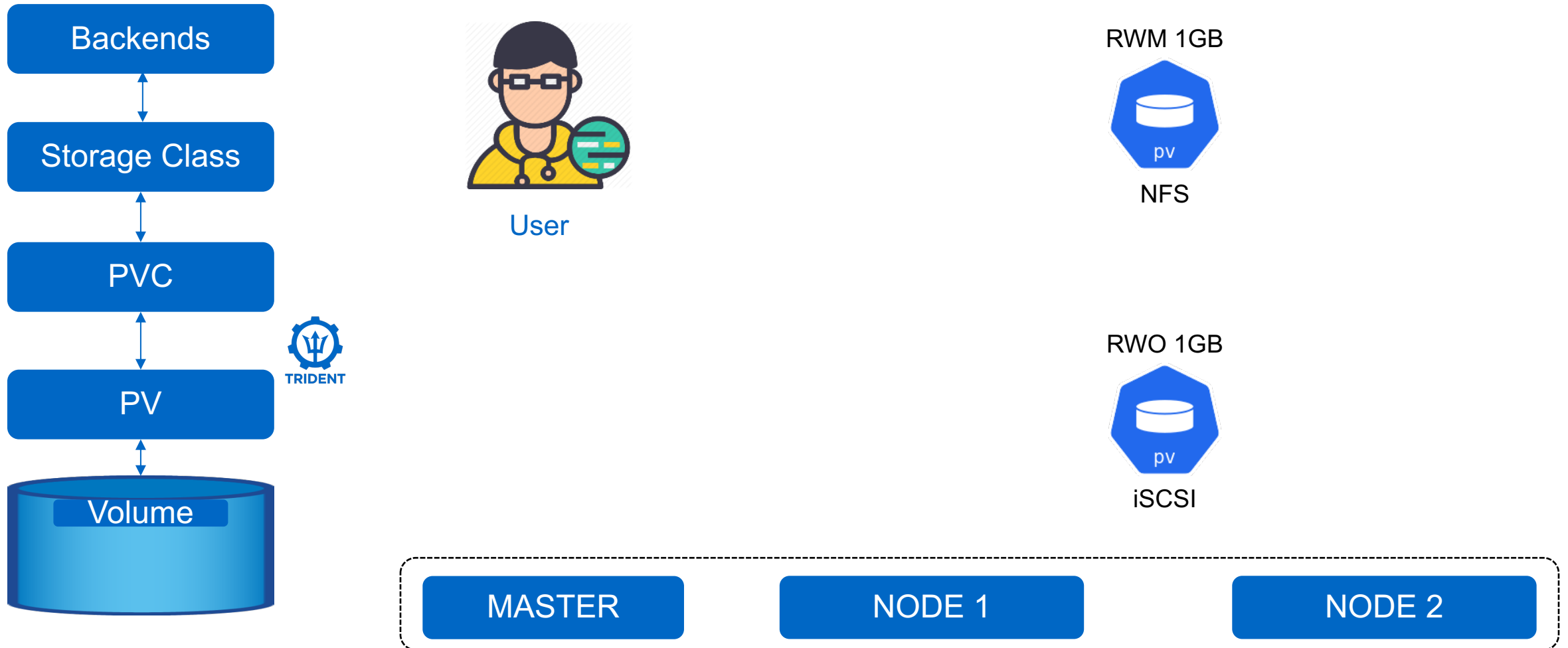
Ansible



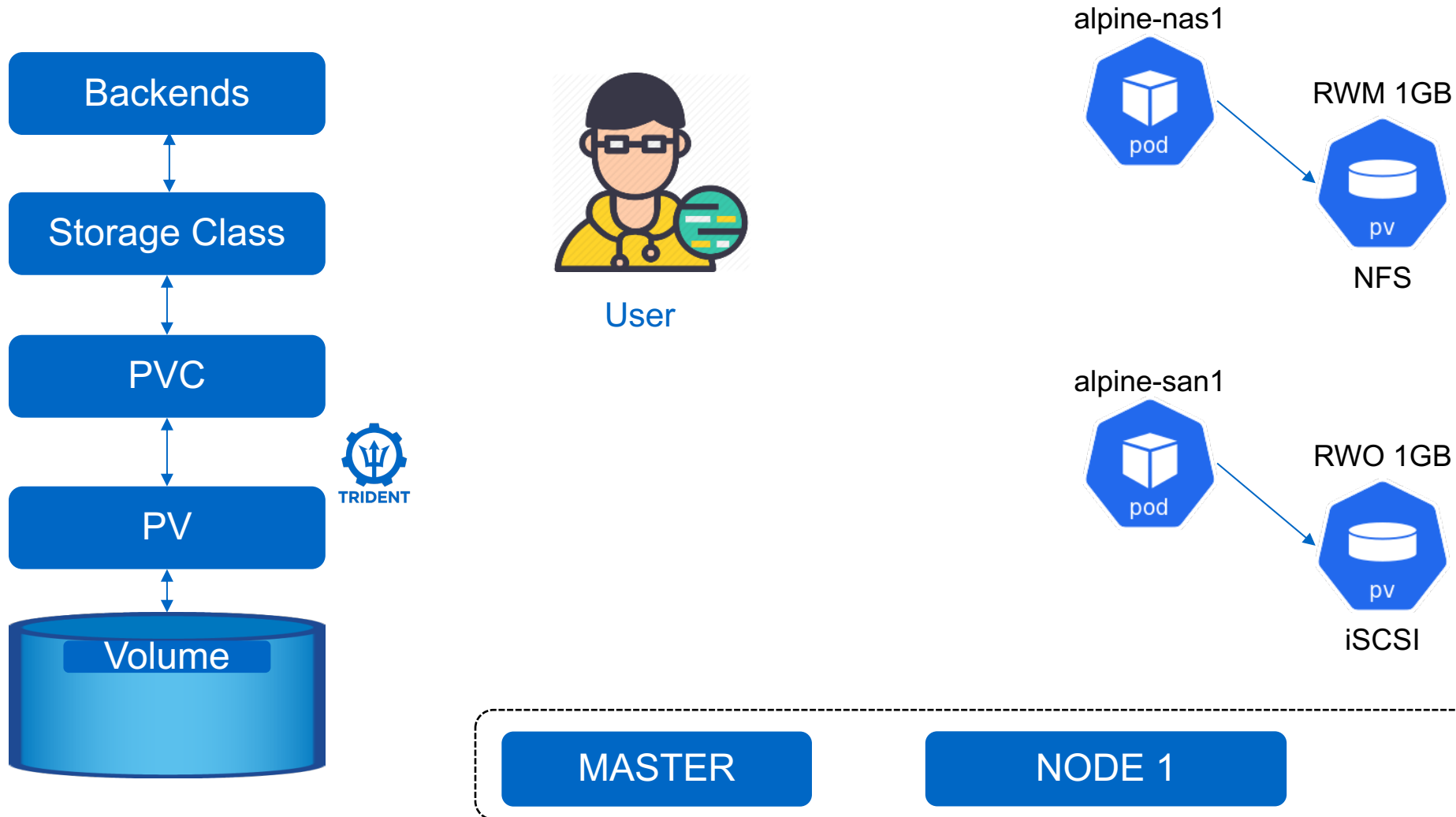
Example: Unified storage RWO & RWX



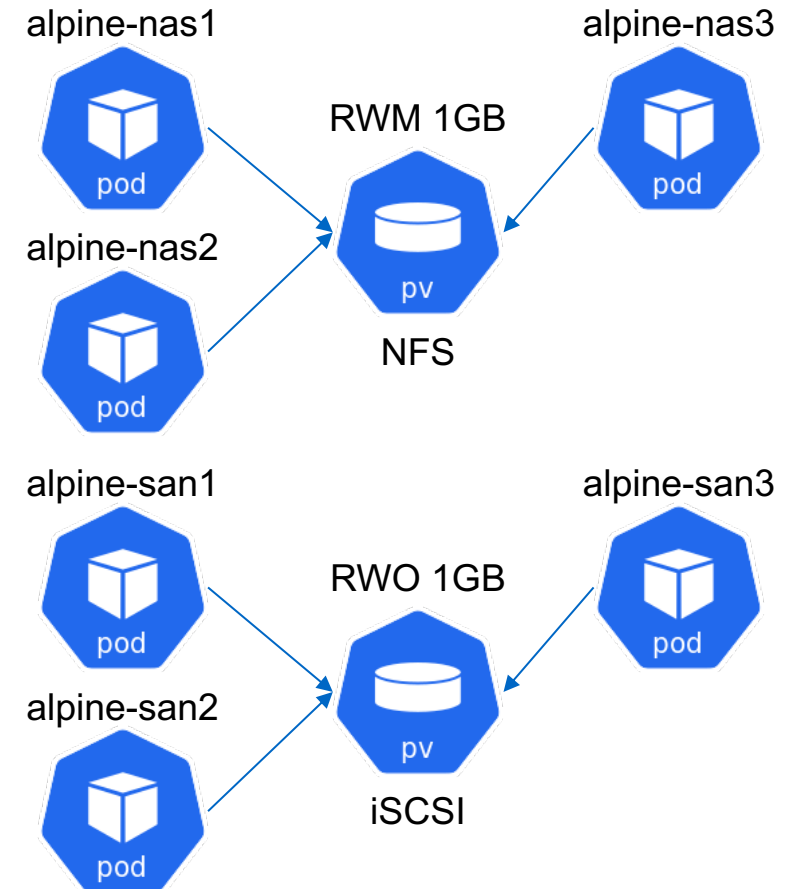
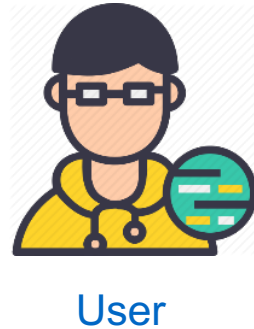
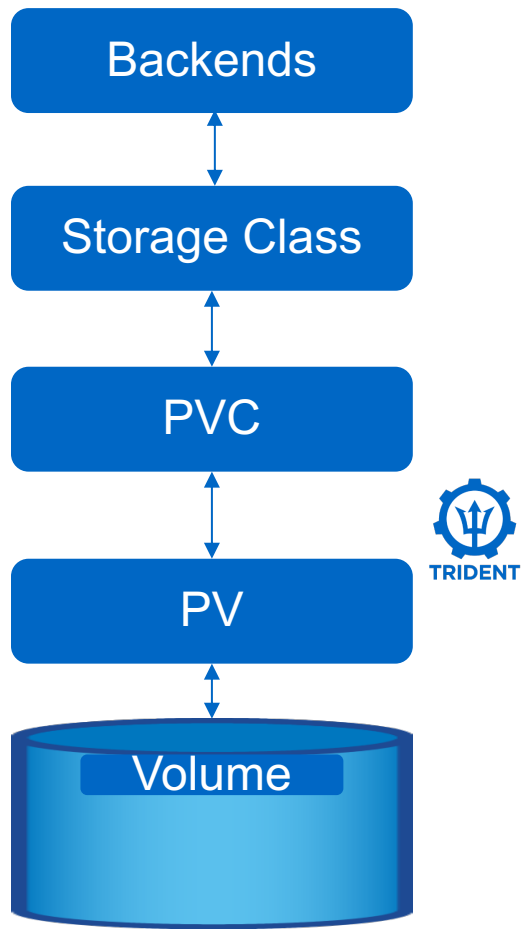
Example: Unified storage RWO & RWX



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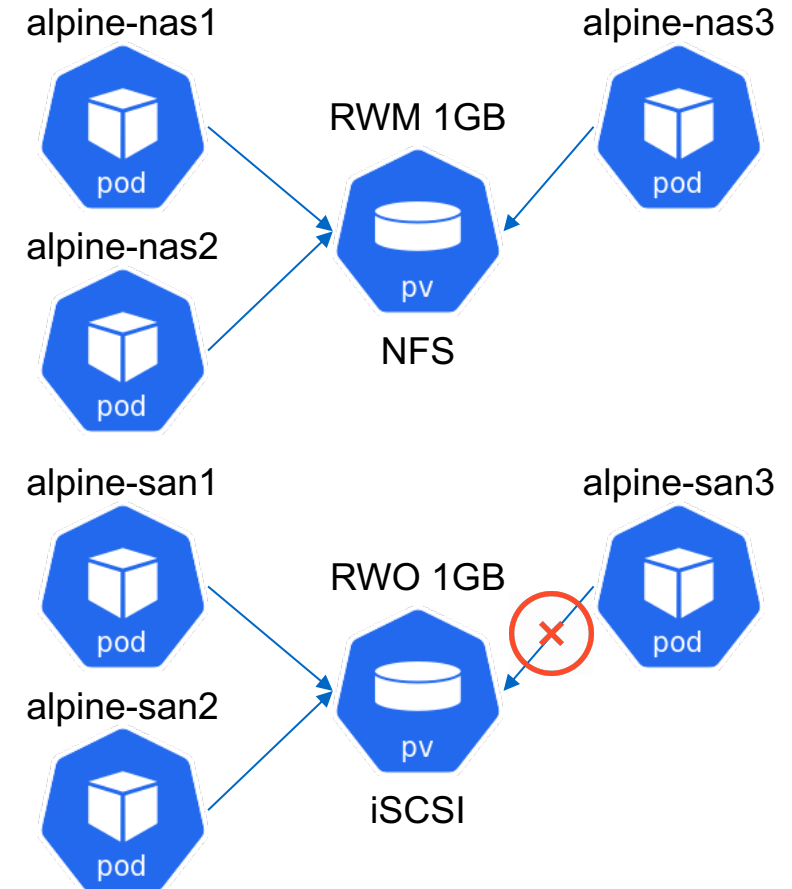
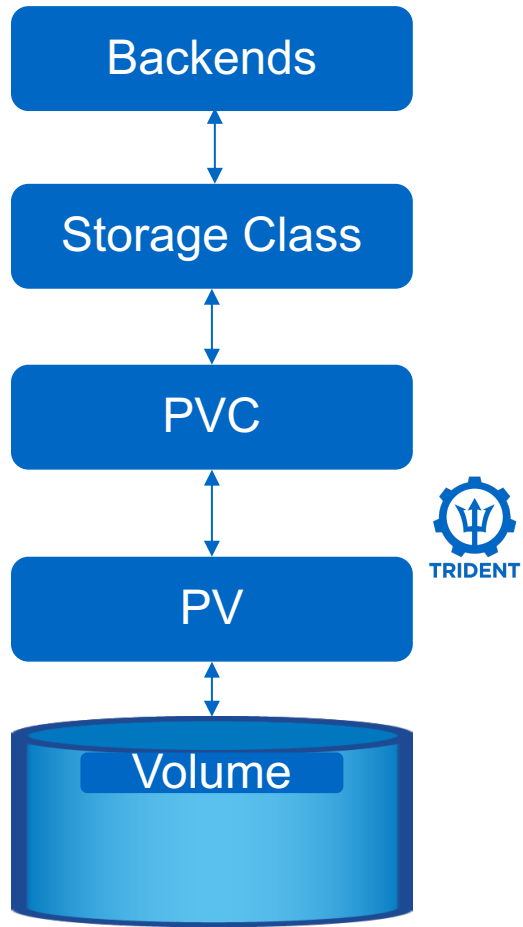


MASTER

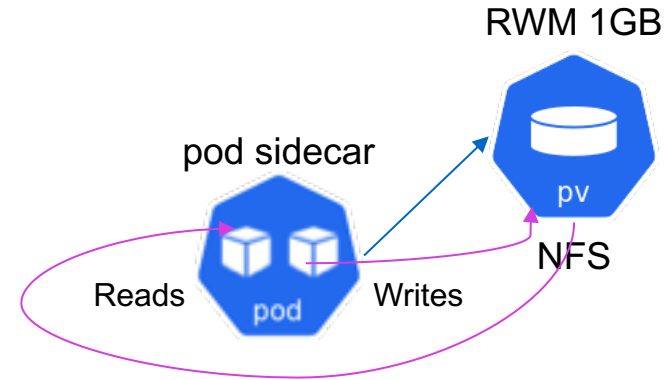
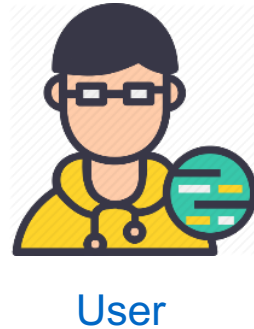
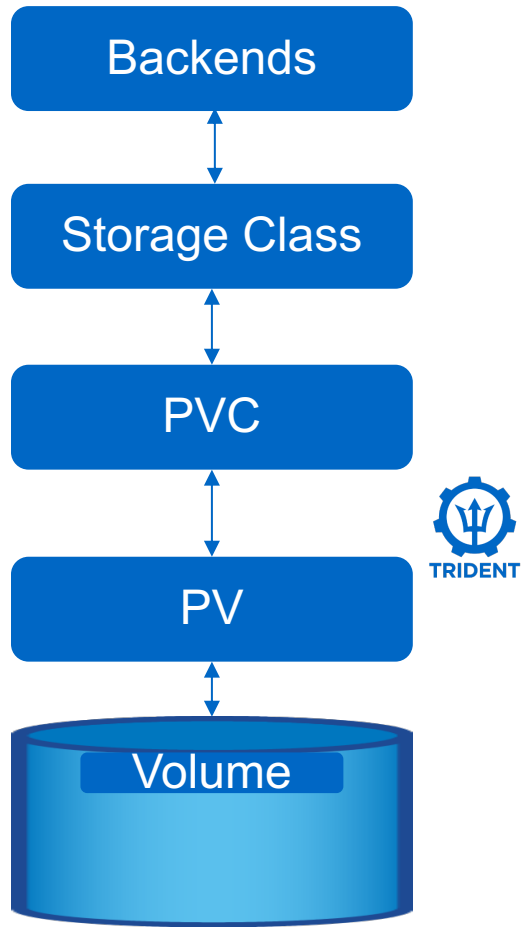
NODE 1

NODE 2

Example: Unified storage RWO & RWX



Example: Unified storage RWO & RWX

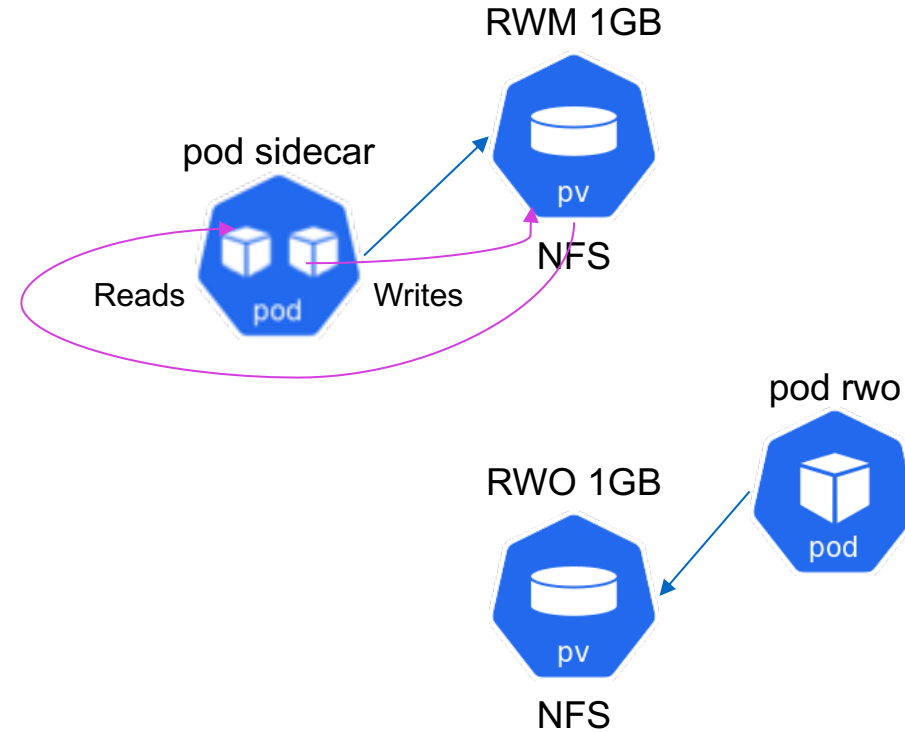
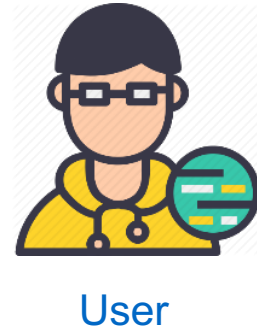
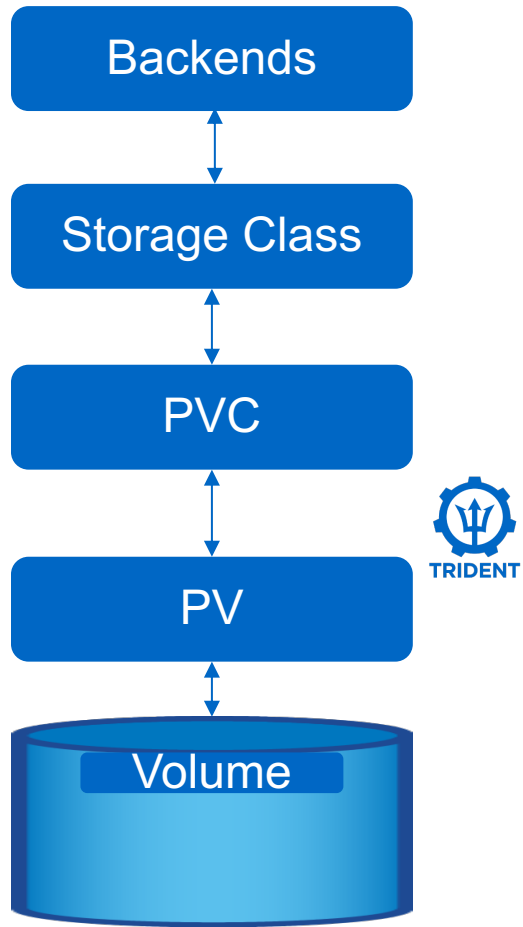


MASTER

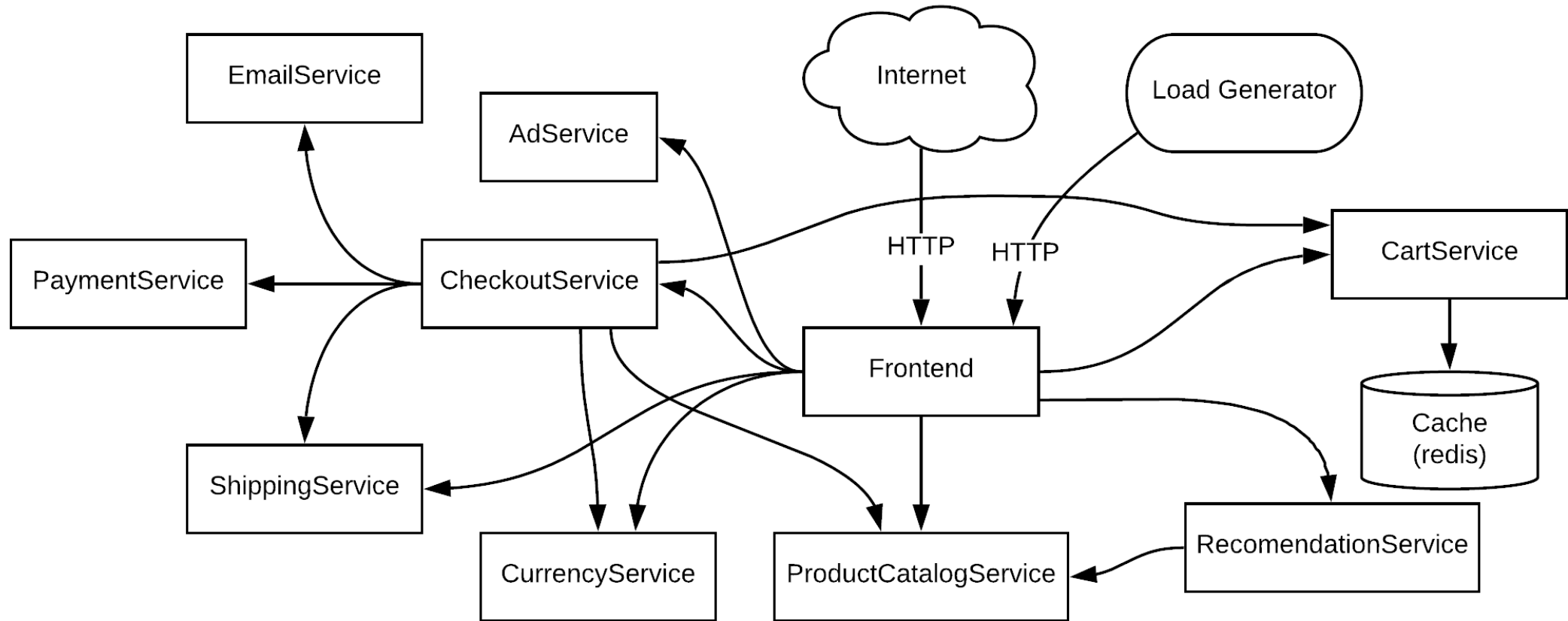
NODE 1

NODE 2

Example: Unified storage RWO & RWX

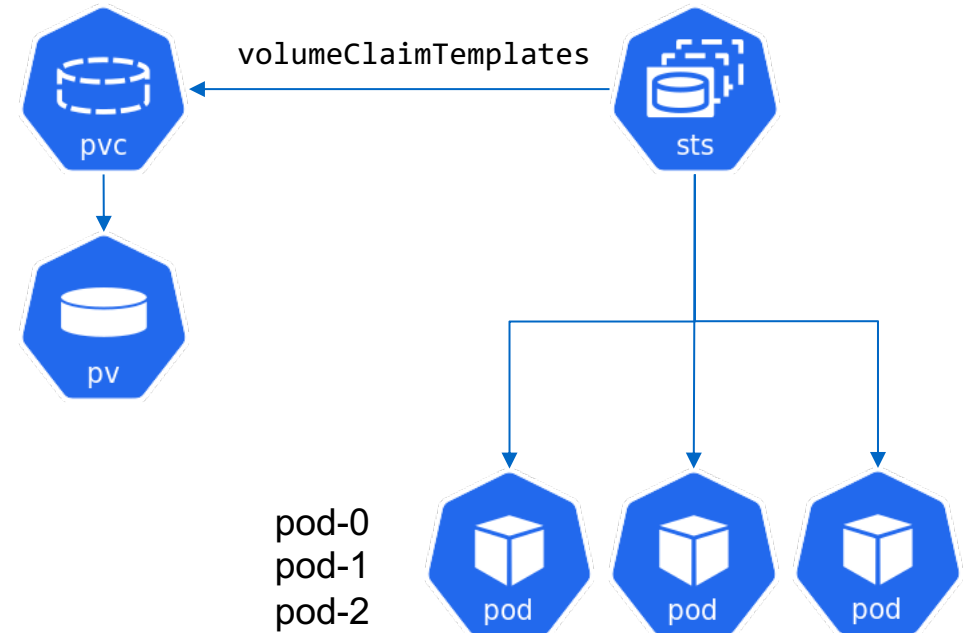
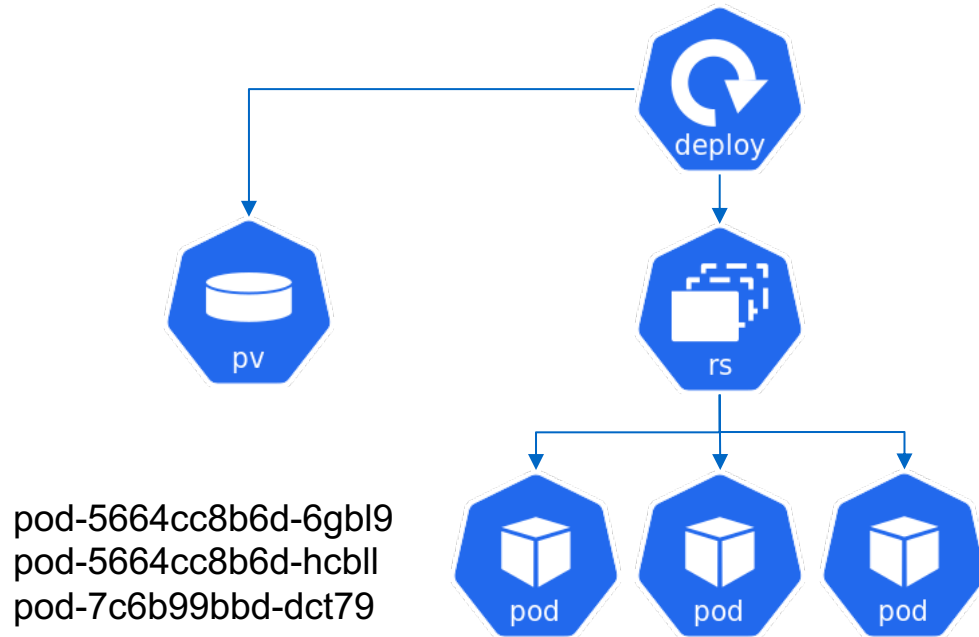


New tier application architecture with Kubernetes



<https://github.com/GoogleCloudPlatform/microservices-demo>

Kubernetes controllers: Deployment vs StatefulSet



Canary Deployment:

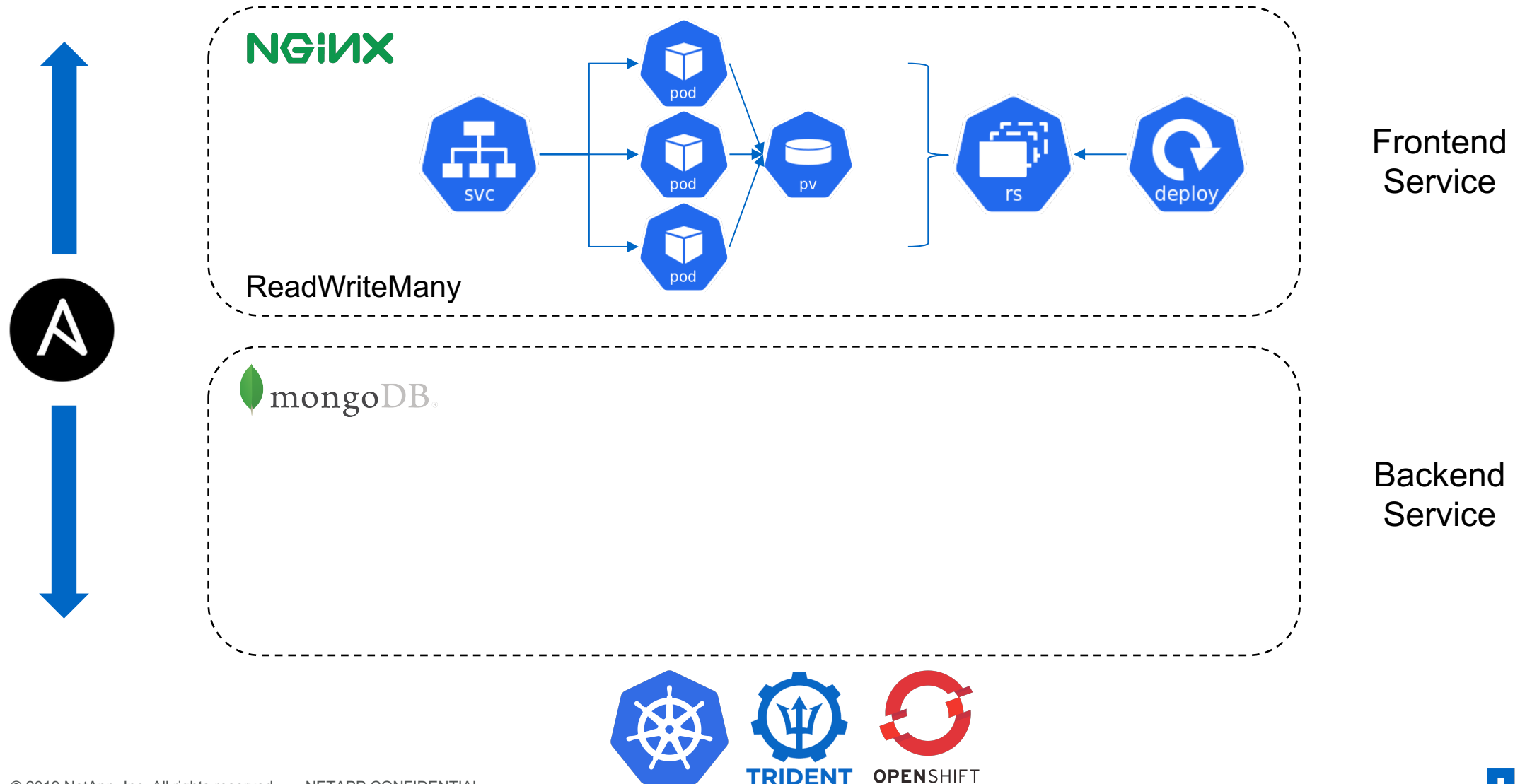
- Recreate
- RollingUpdate



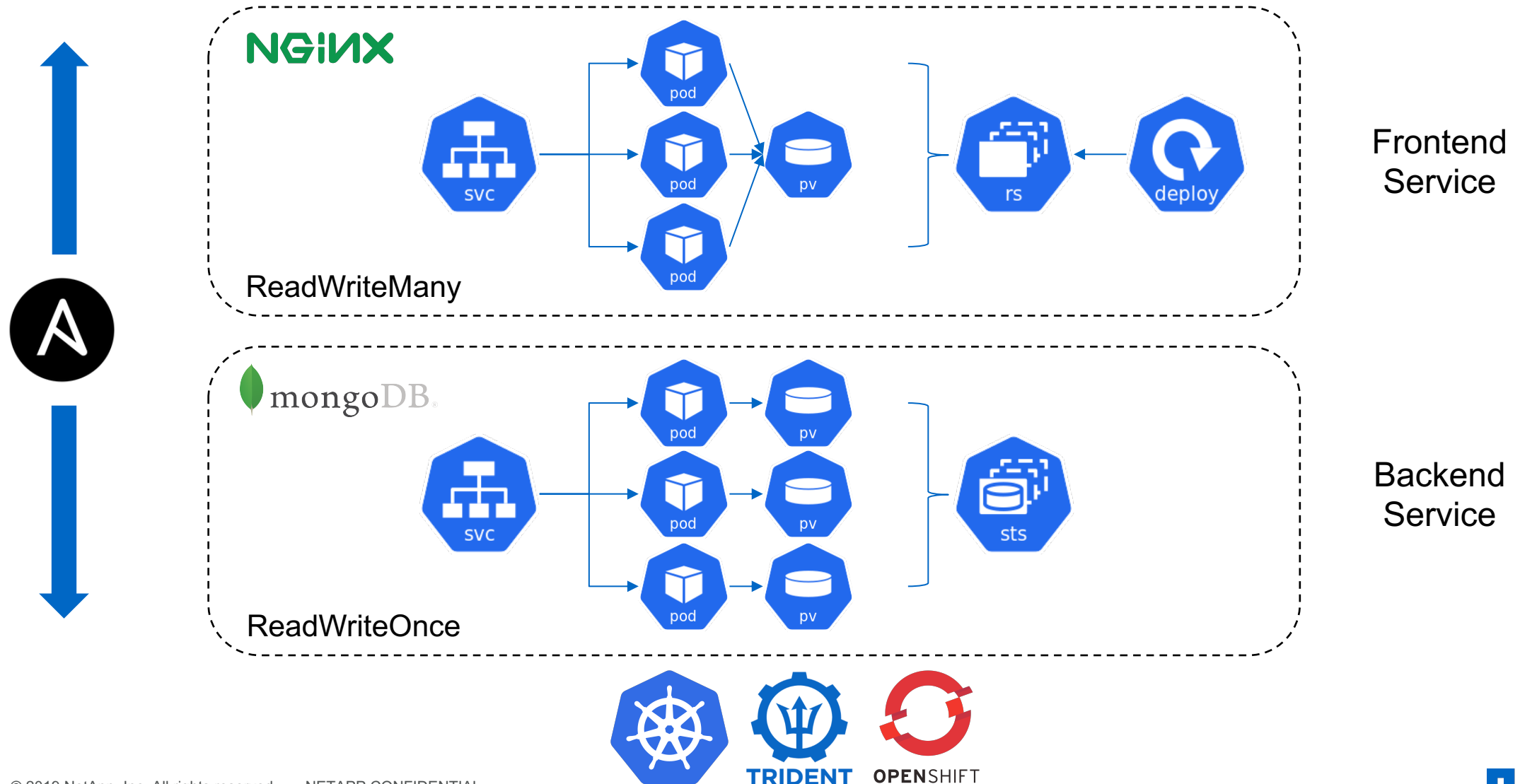
New tier application architecture with Kubernetes



New tier application architecture with Kubernetes



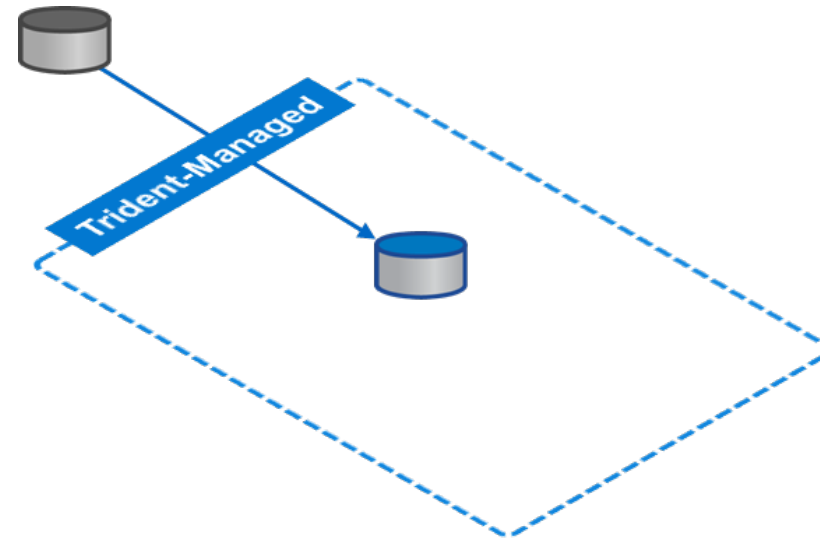
New tier application architecture with Kubernetes



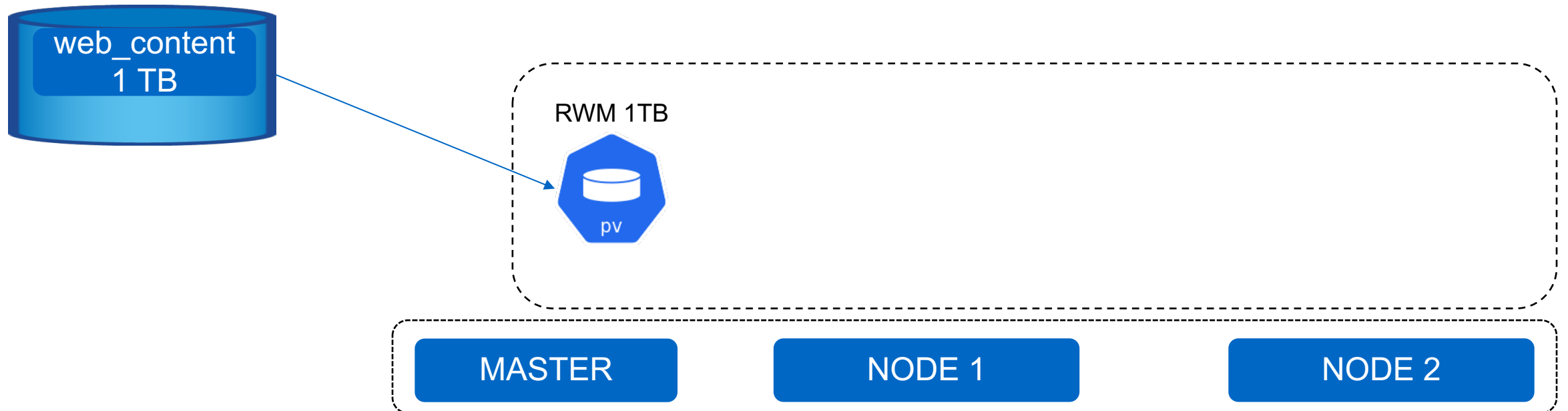
Volume Import

Use cases:

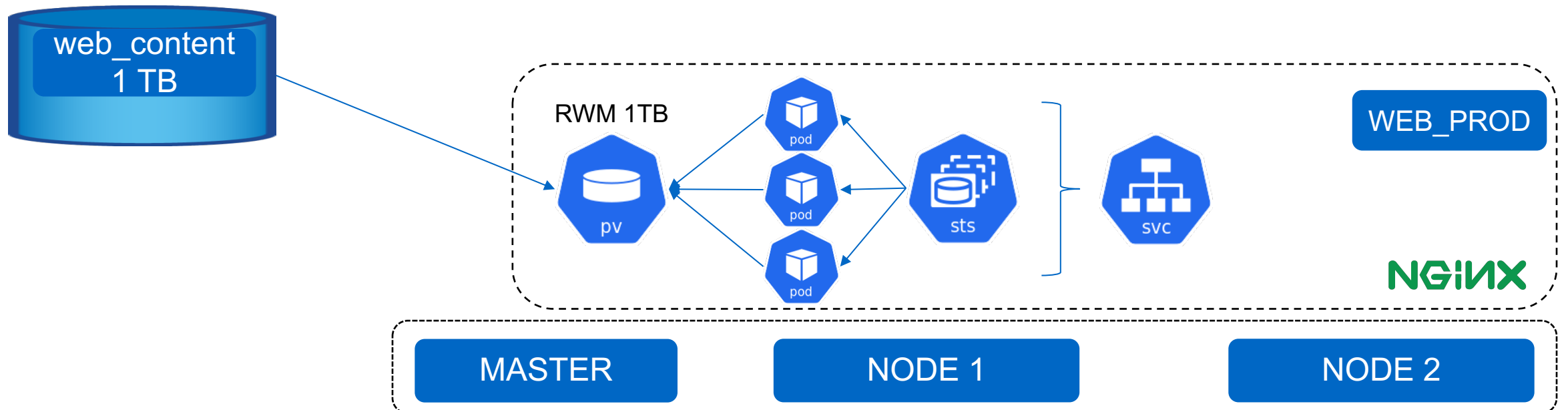
- Migrate existing monolithic applications into containers
- Volume migration – Migrate your data from one Kubernetes cluster to another
- Kubernetes re-build
- Data Management disaster recovery



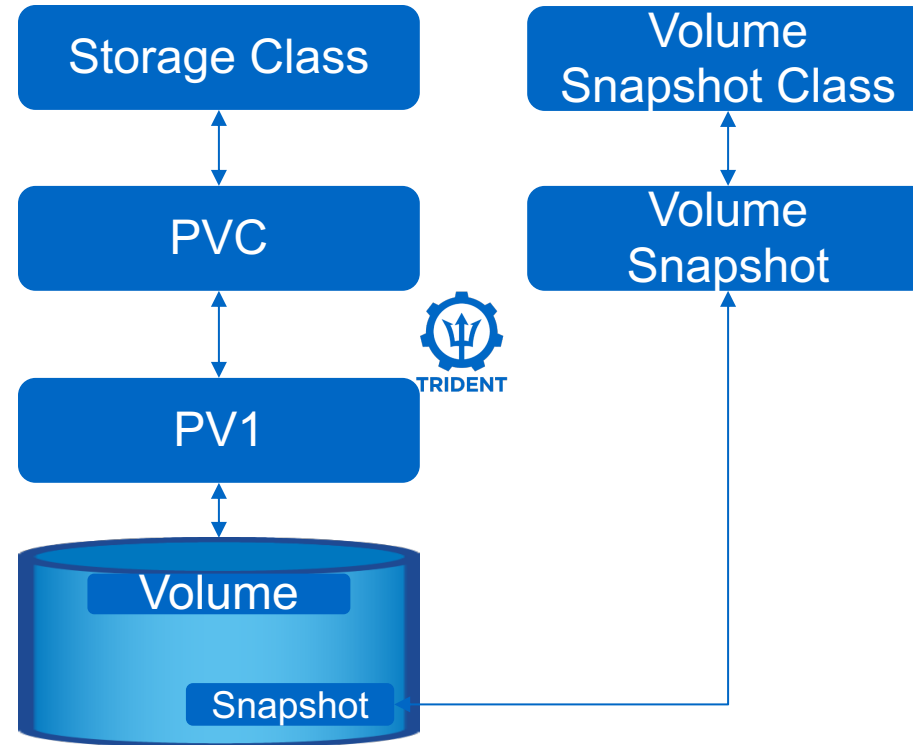
Volume Import



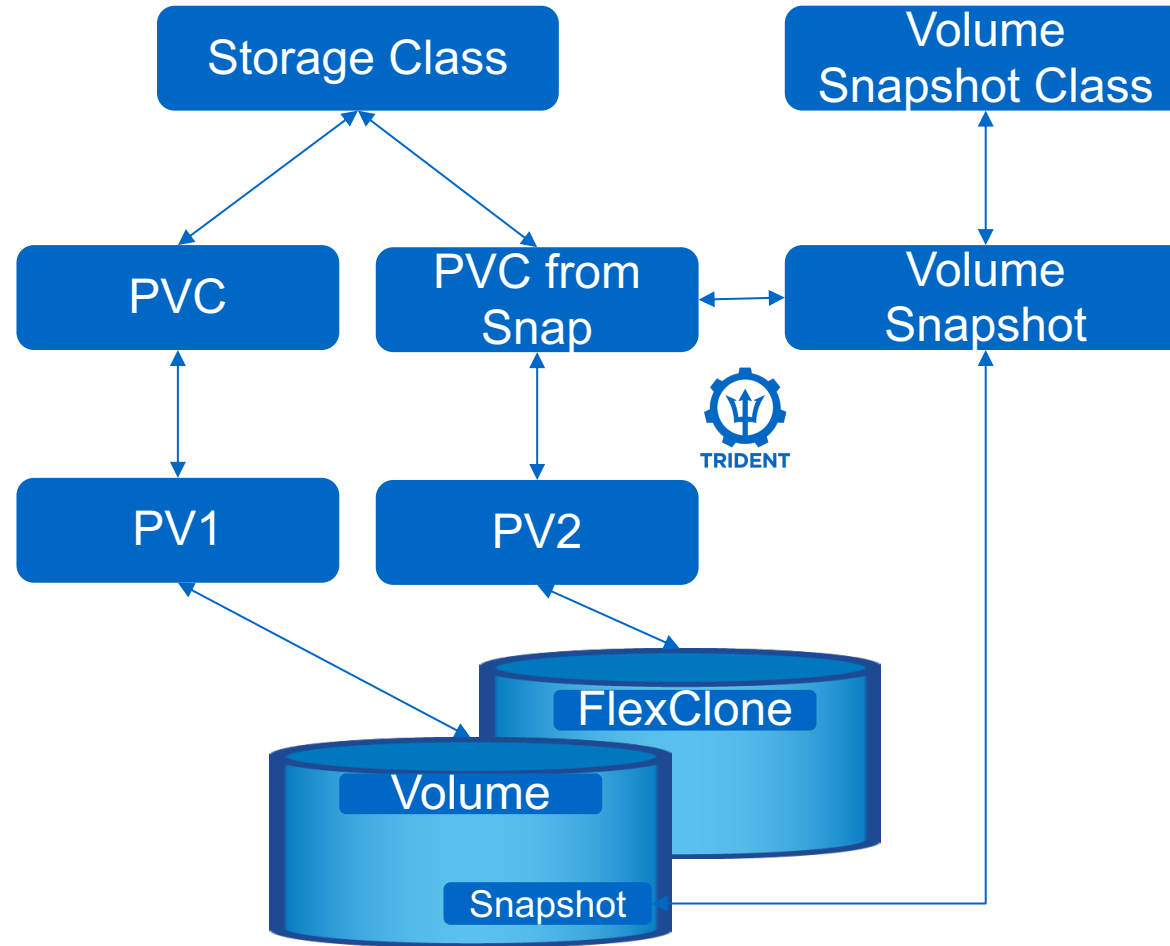
Volume Import



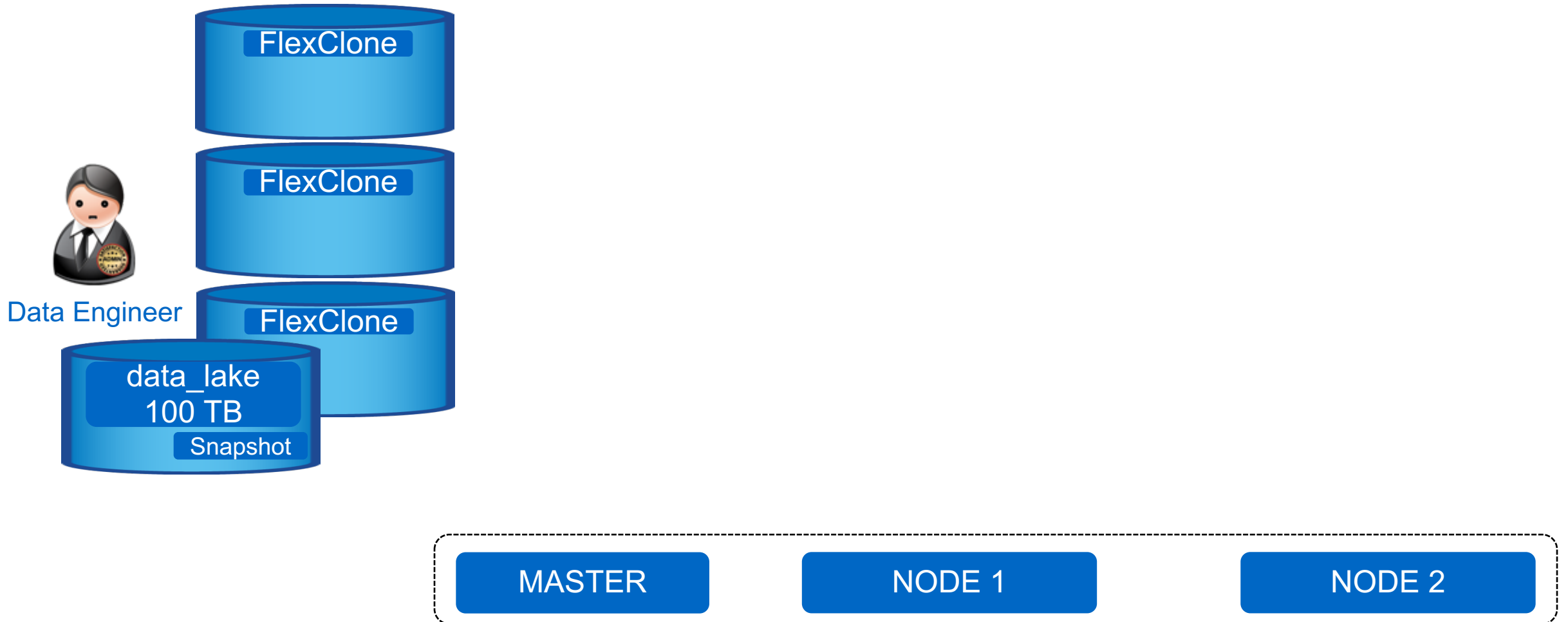
Kubernetes CSI Snapshot



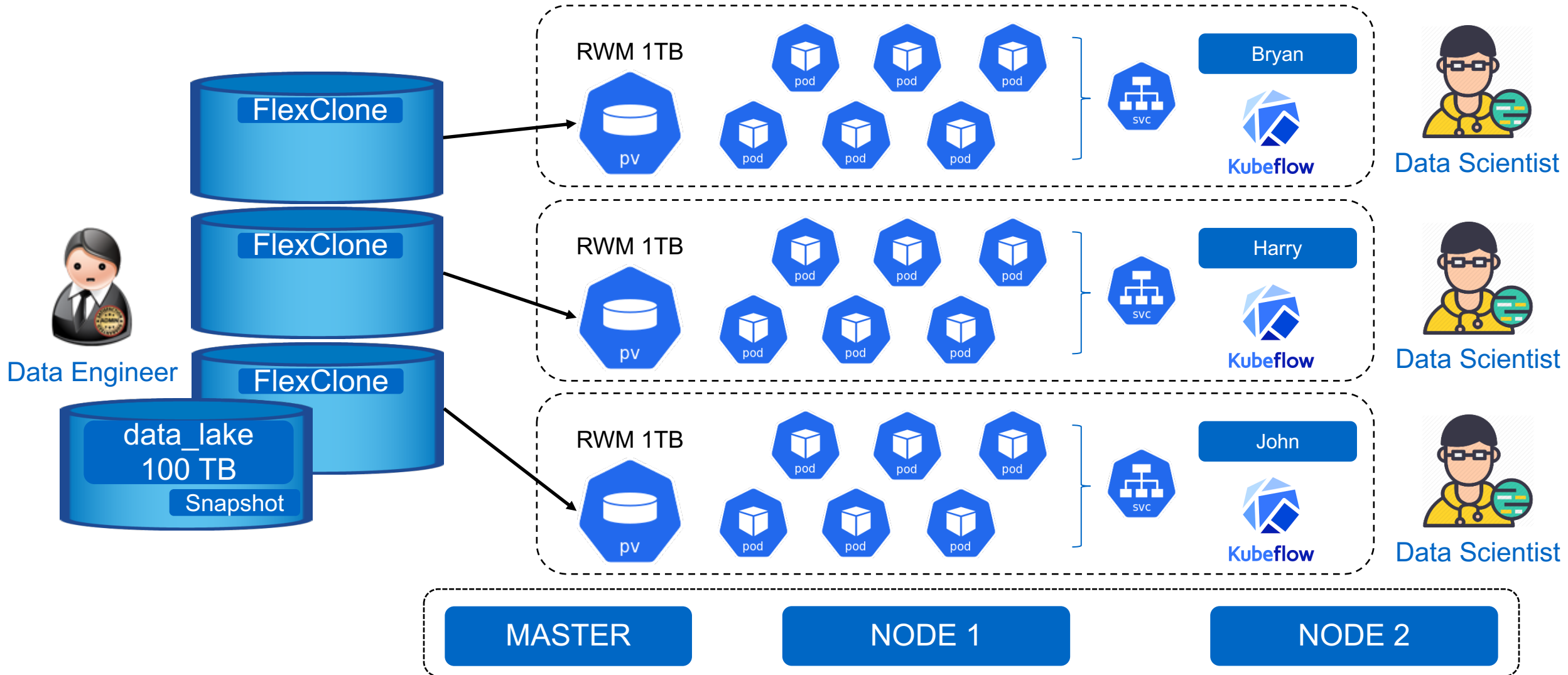
Kubernetes CSI PVC from Snapshot (aka Clone)



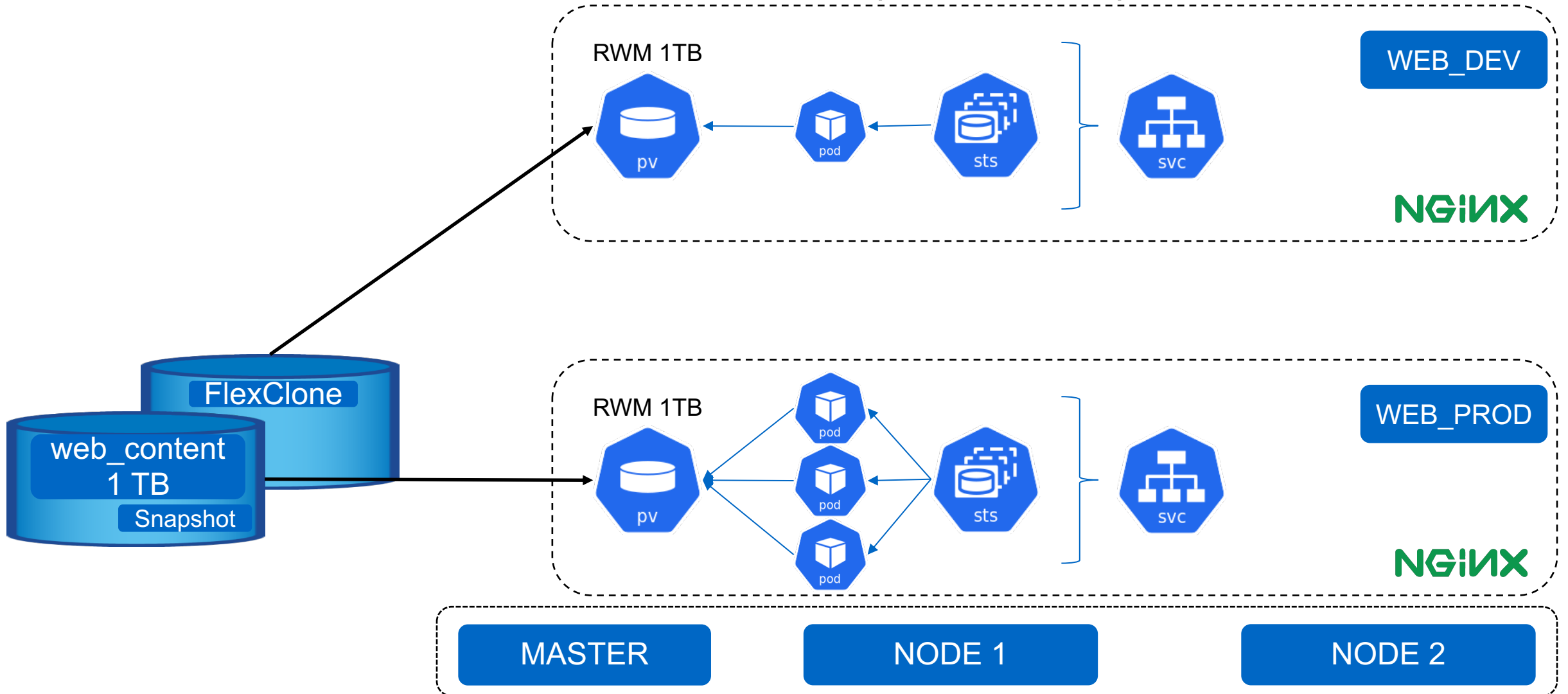
Kubernetes CSI PVC from Snapshot (aka Clone)



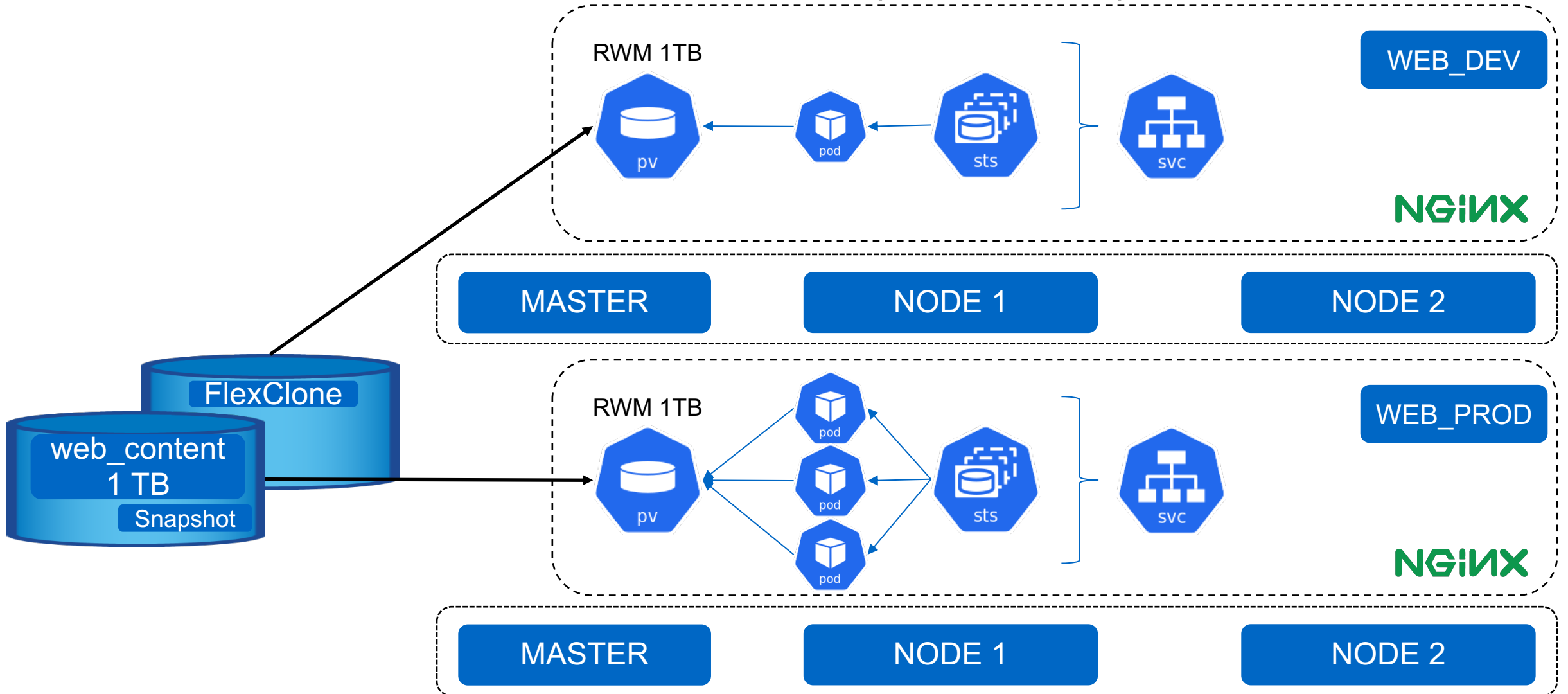
Kubernetes CSI PVC from Snapshot (aka Clone)



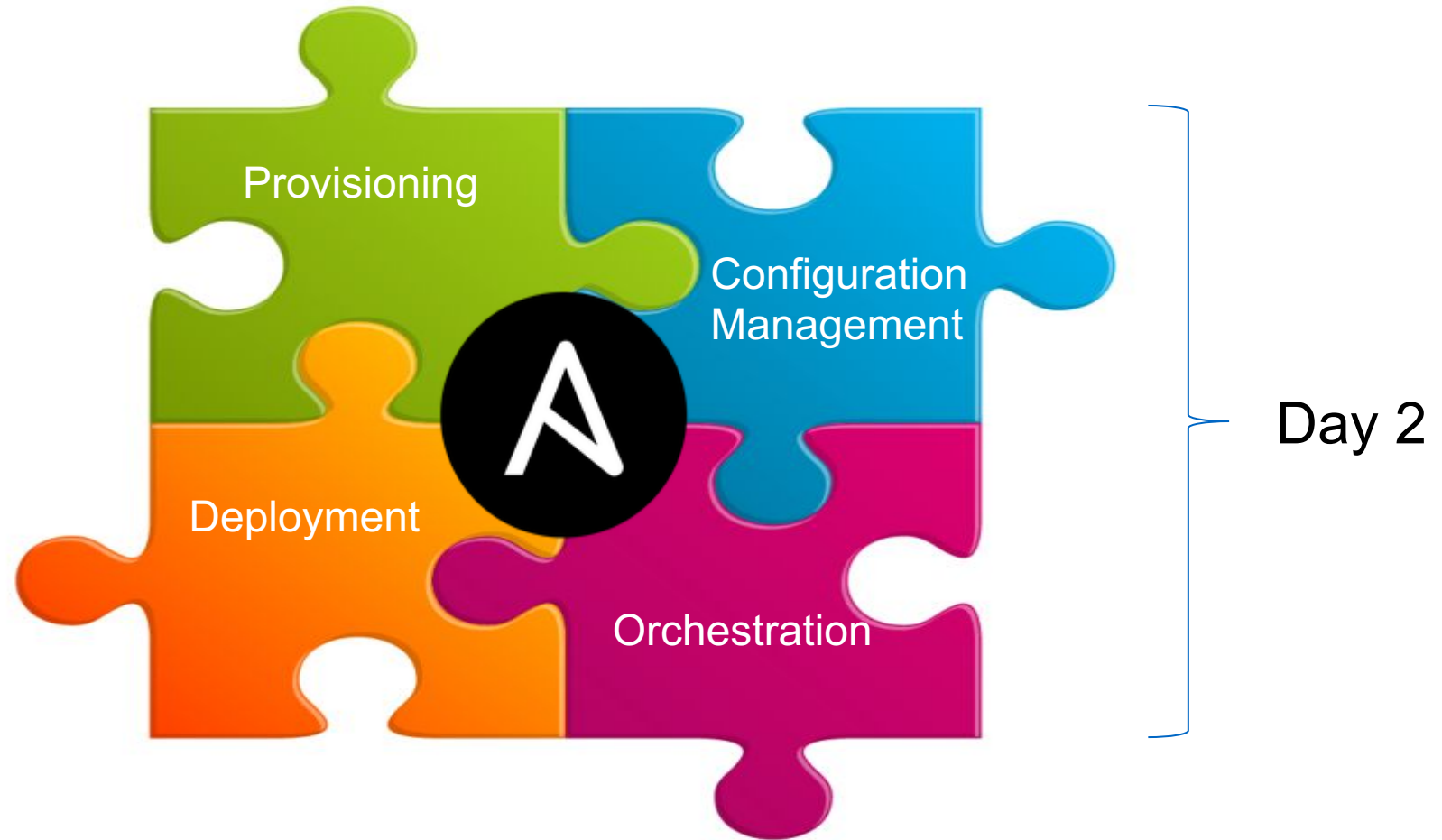
Kubernetes CSI PVC from Snapshot (aka Clone)



Kubernetes CSI PVC from Snapshot (aka Clone)



Ansible



Summary

