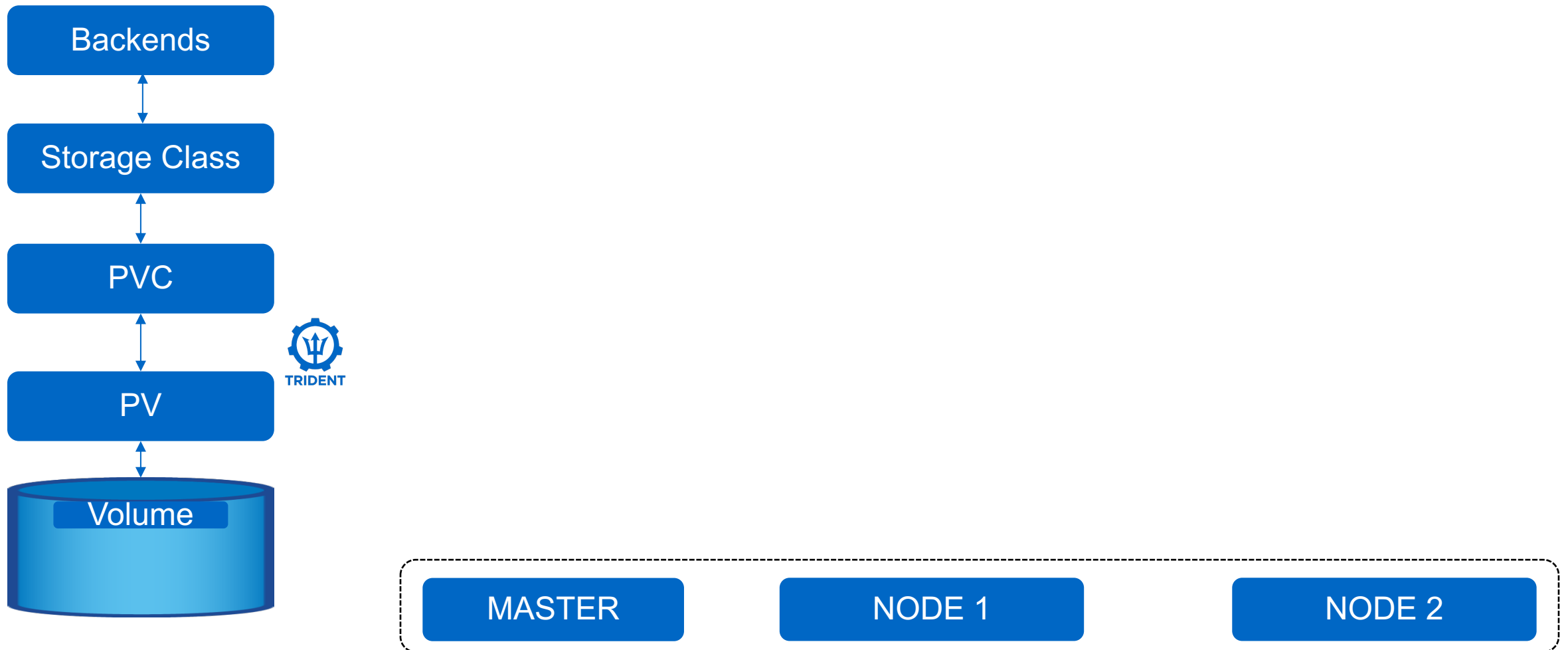




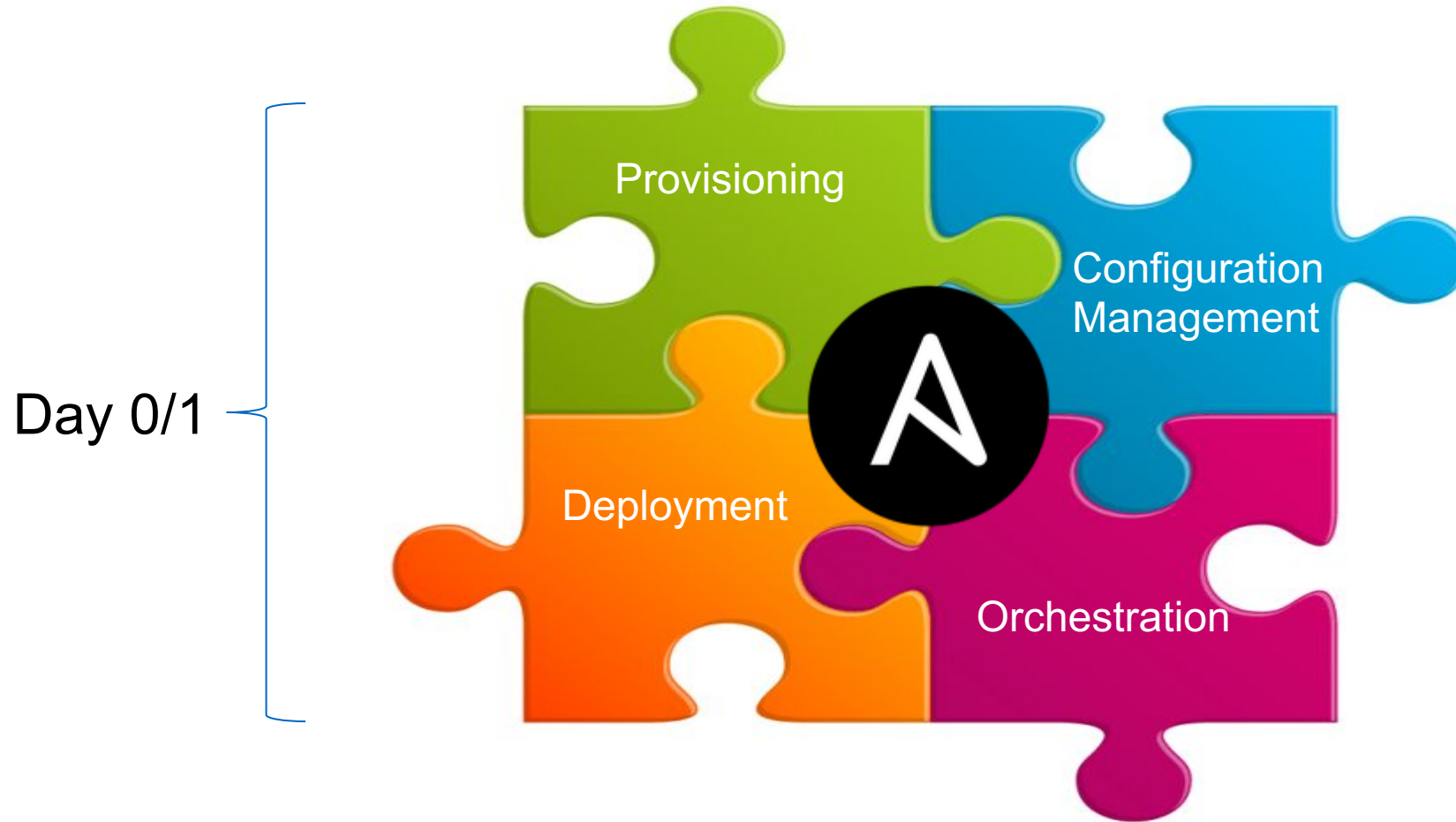
# Kubernetes Persistent Volumes

Demo Trident

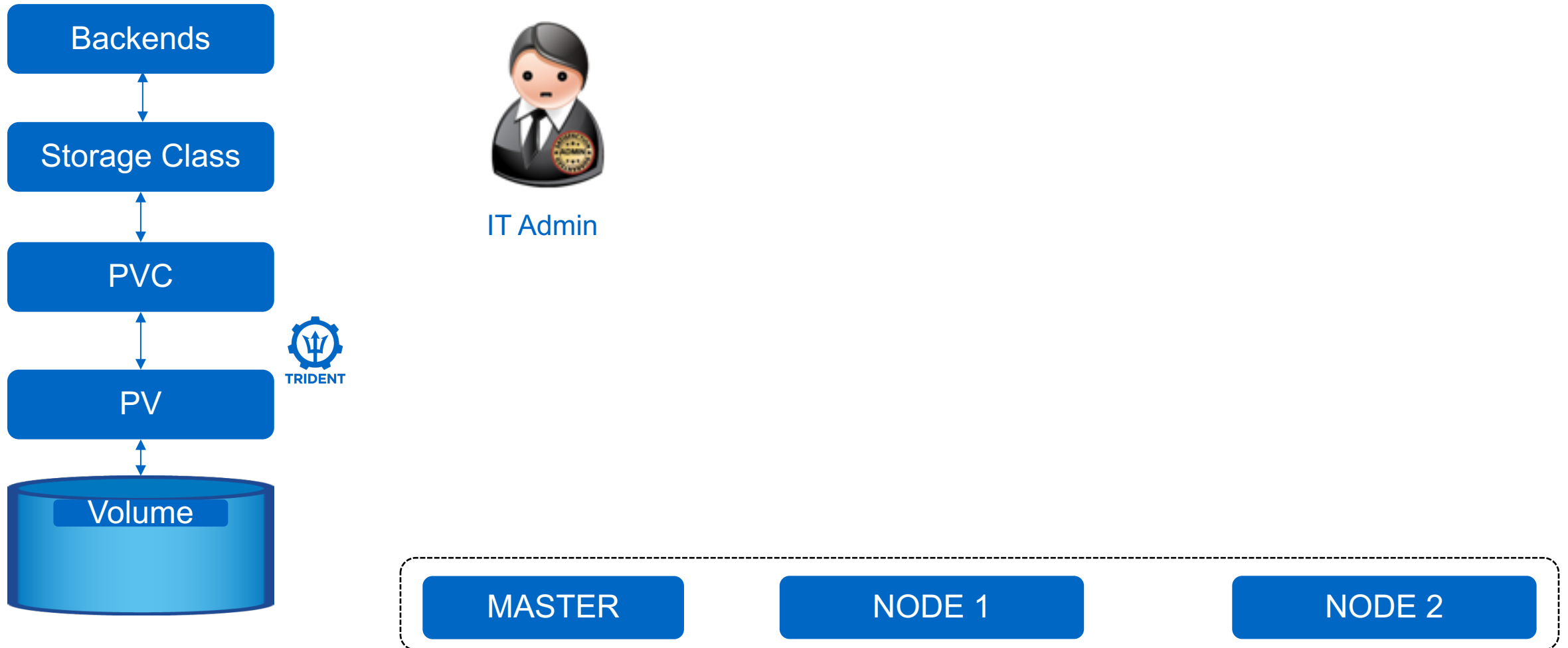
# Kubernetes demo



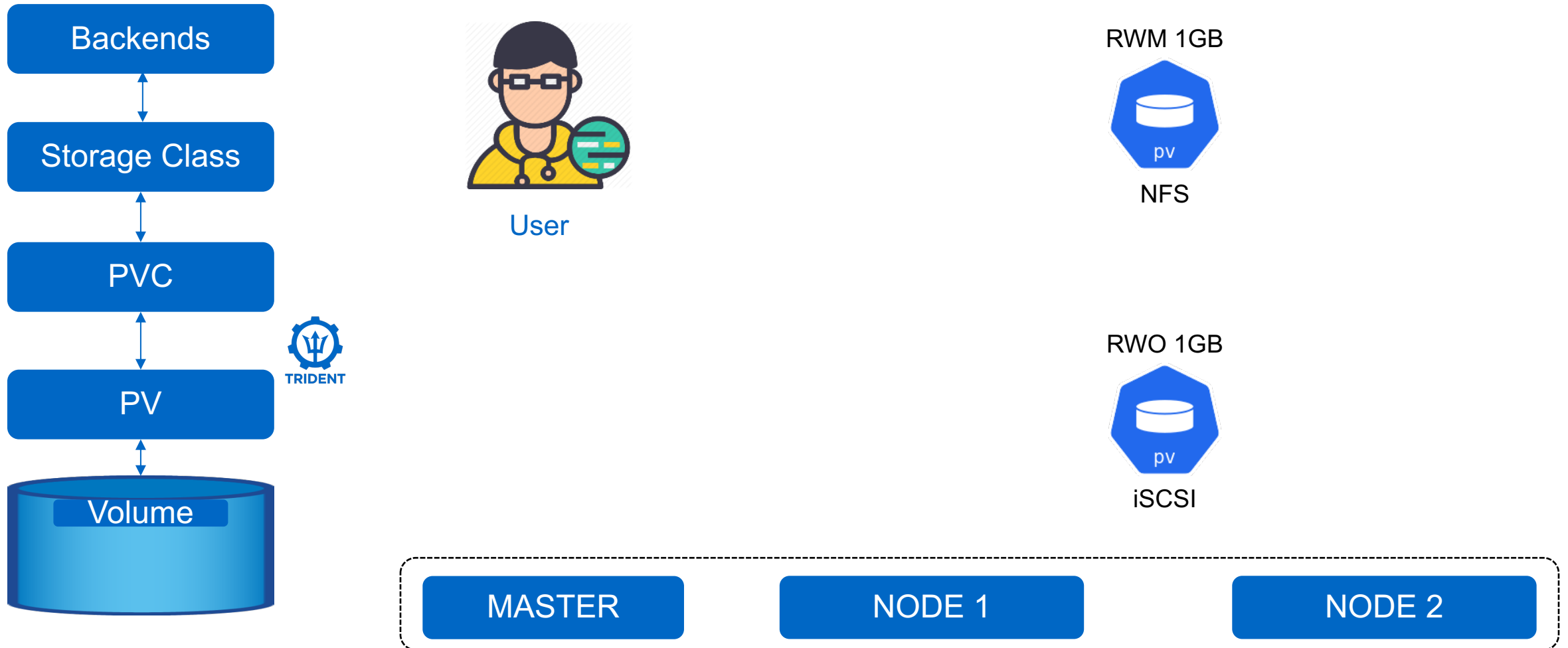
# Ansible



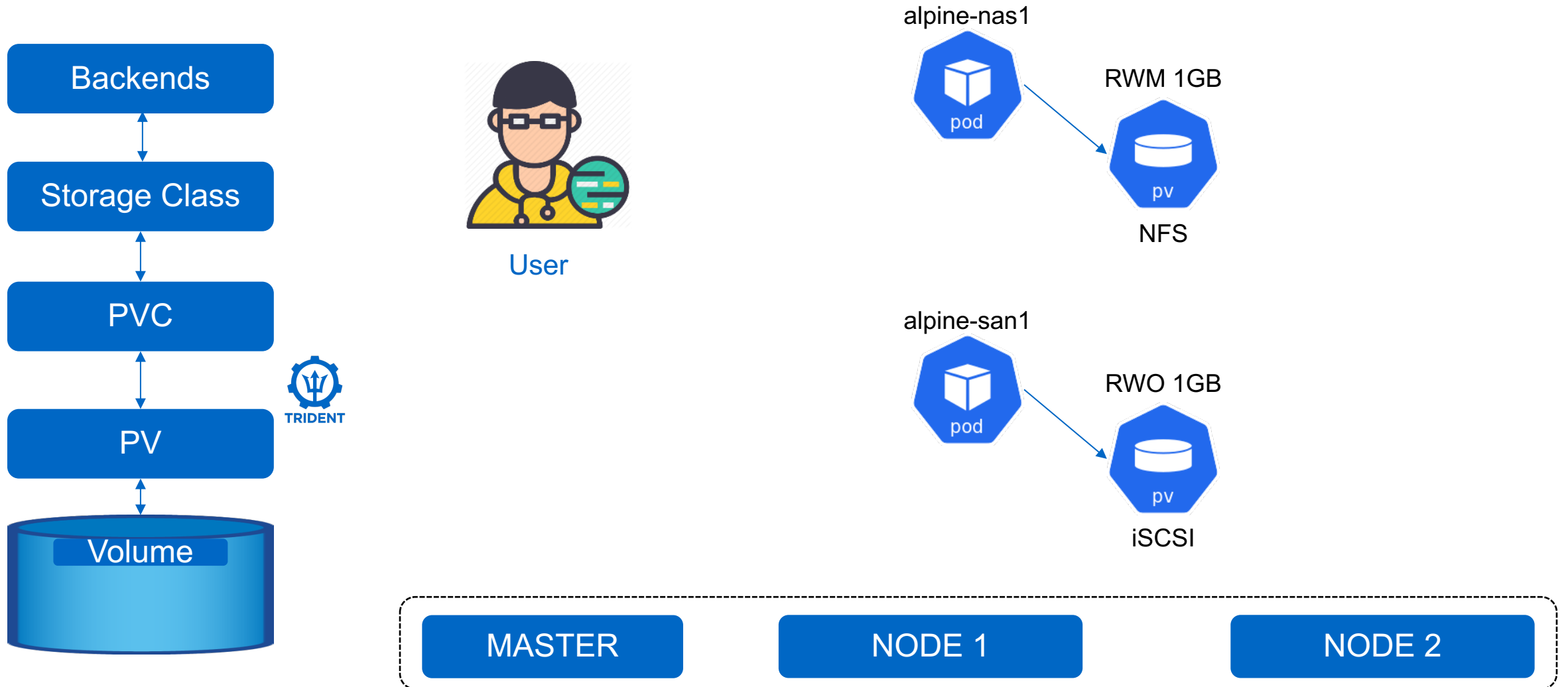
# Example: Unified storage RWO & RWX



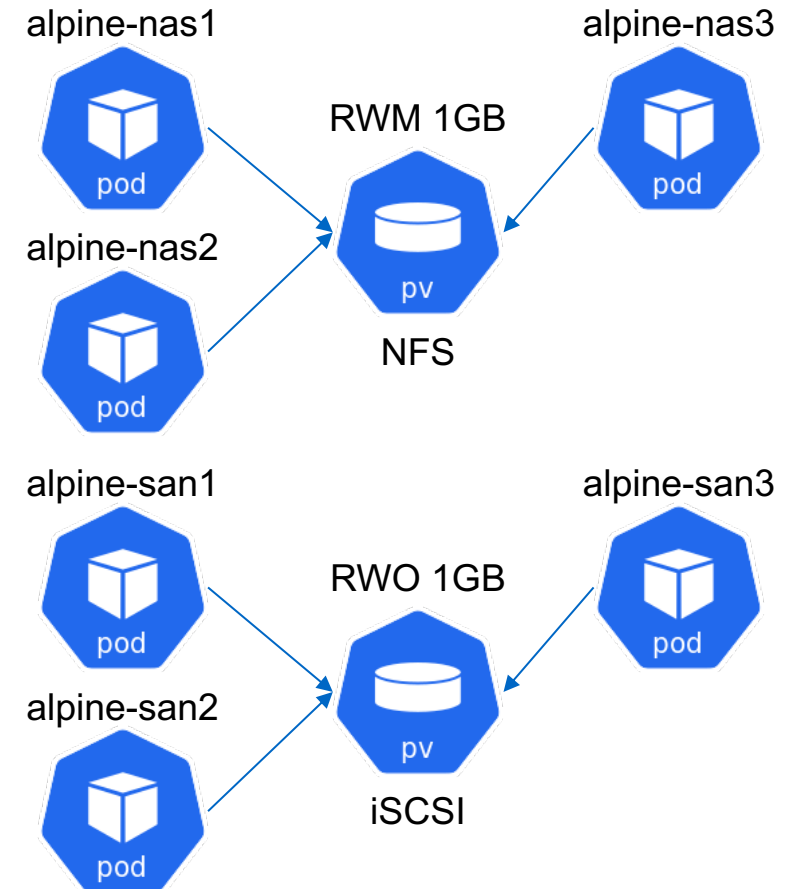
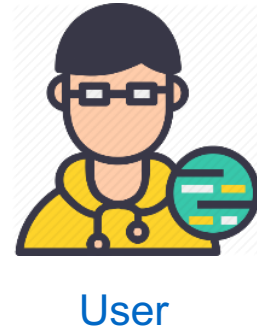
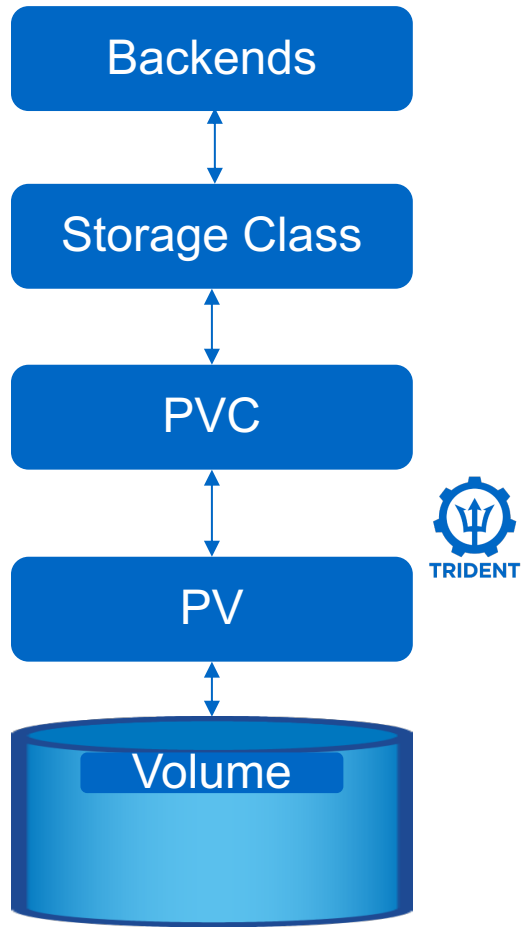
# Example: Unified storage RWO & RWX



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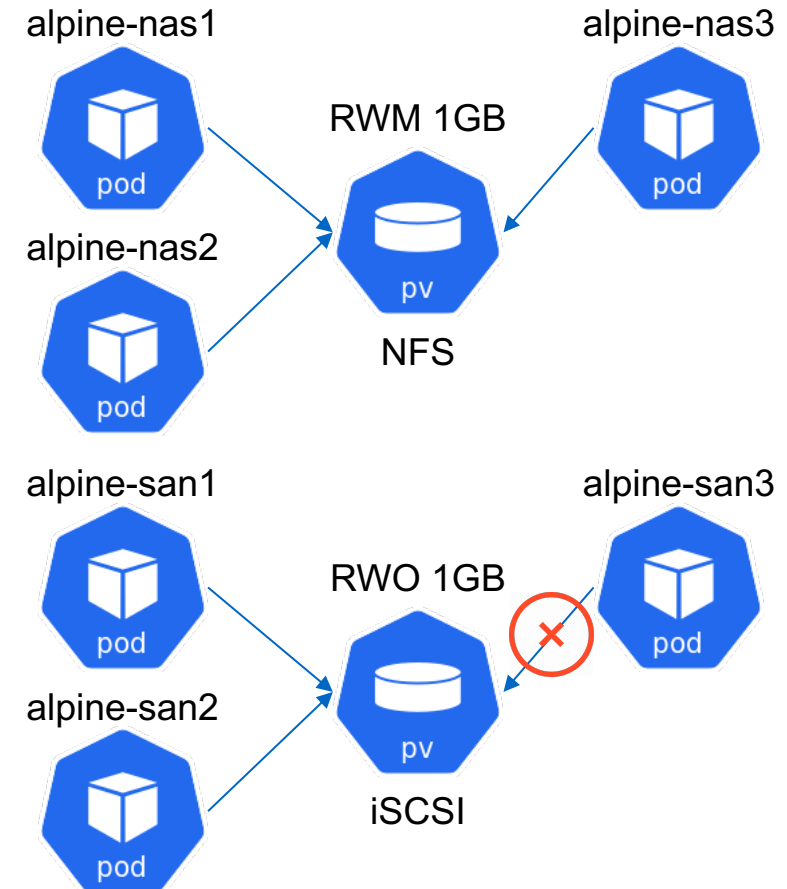
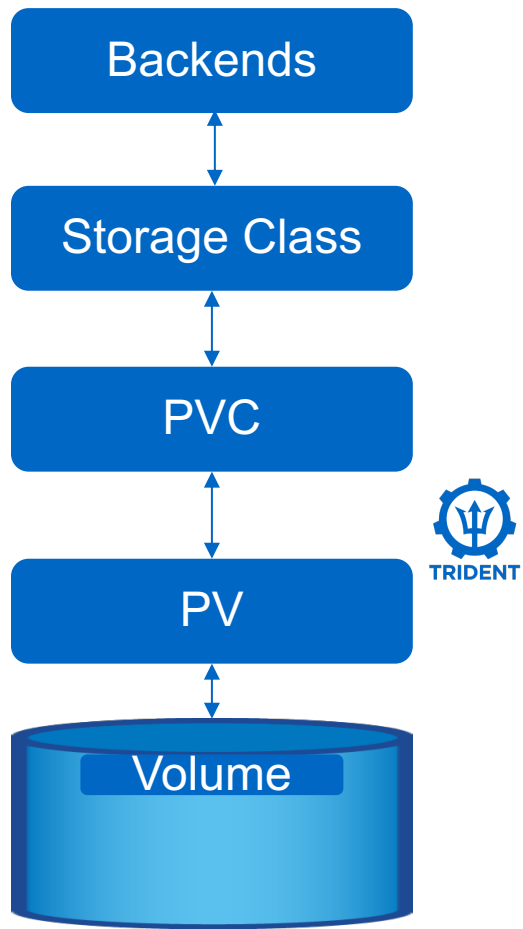


MASTER

NODE 1

NODE 2

# Example: Unified storage RWO & RWX



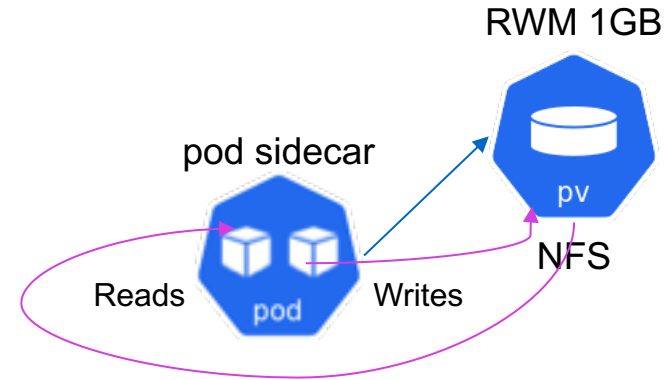
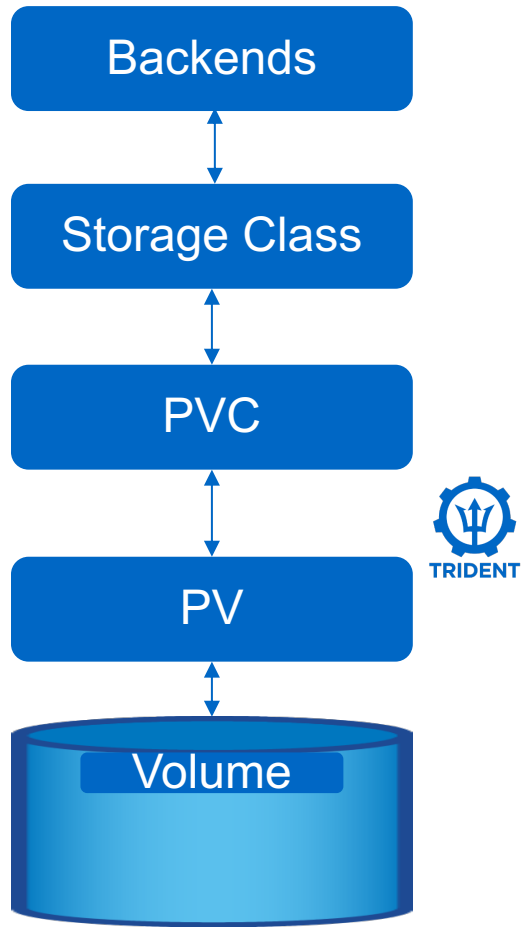
MASTER

NODE 1

NODE 2



# Example: Unified storage RWO & RWX

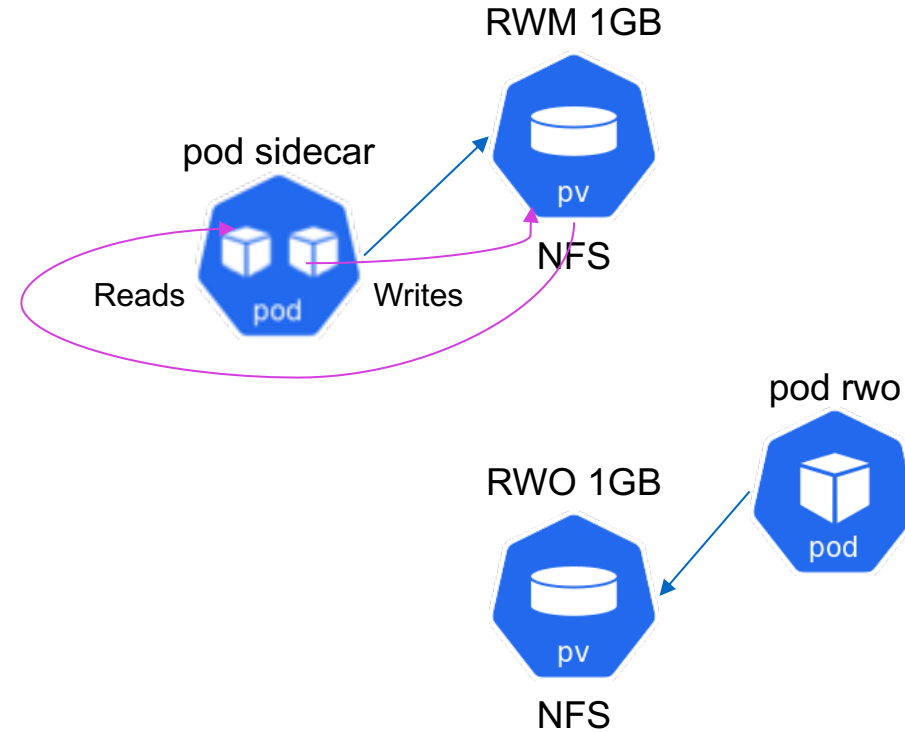
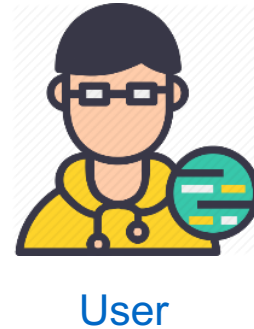
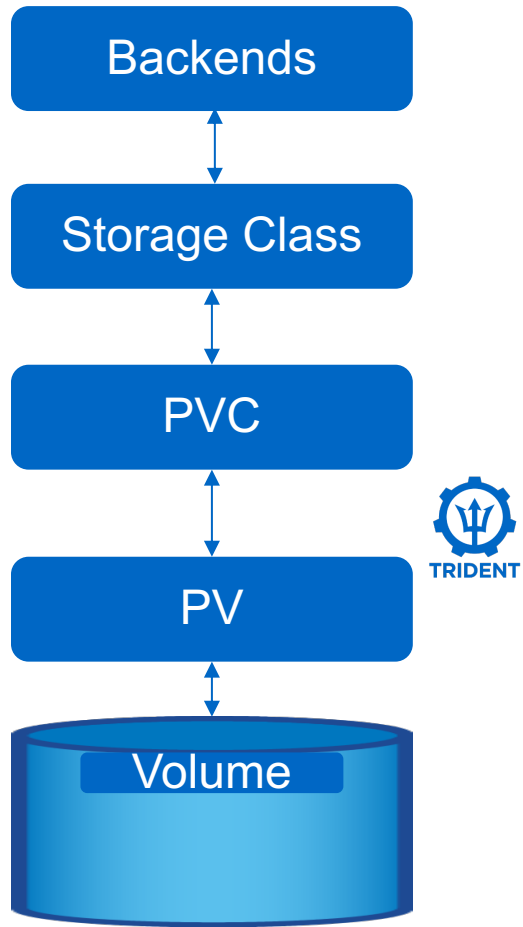


MASTER

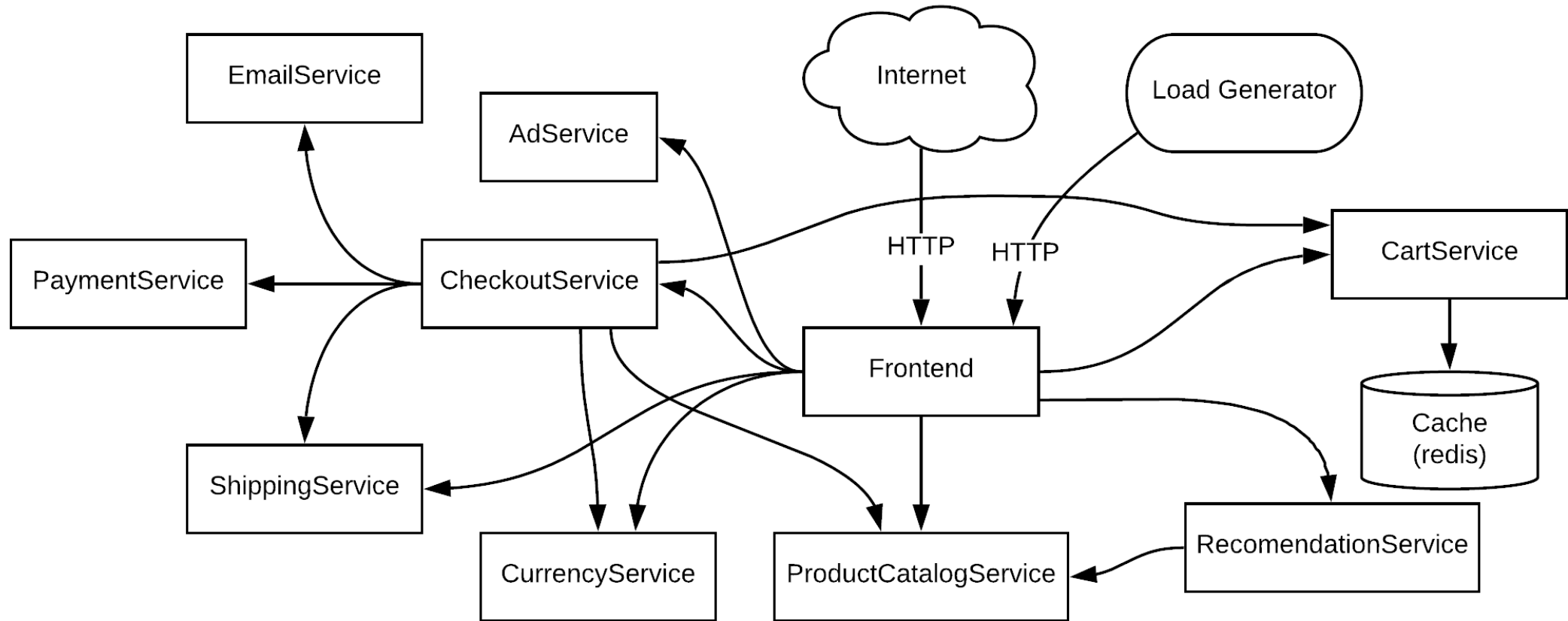
NODE 1

NODE 2

# Example: Unified storage RWO & RWX

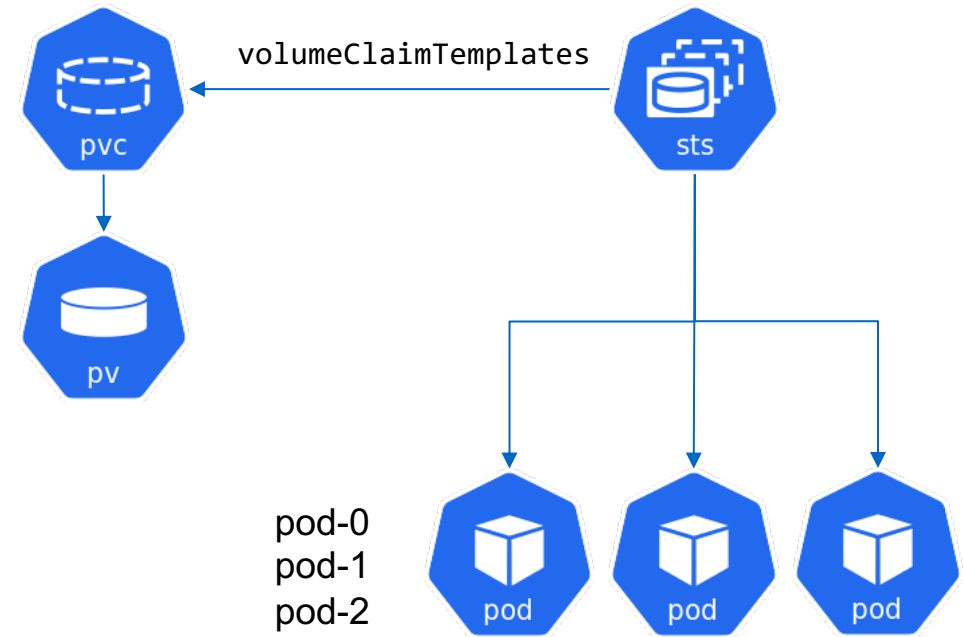
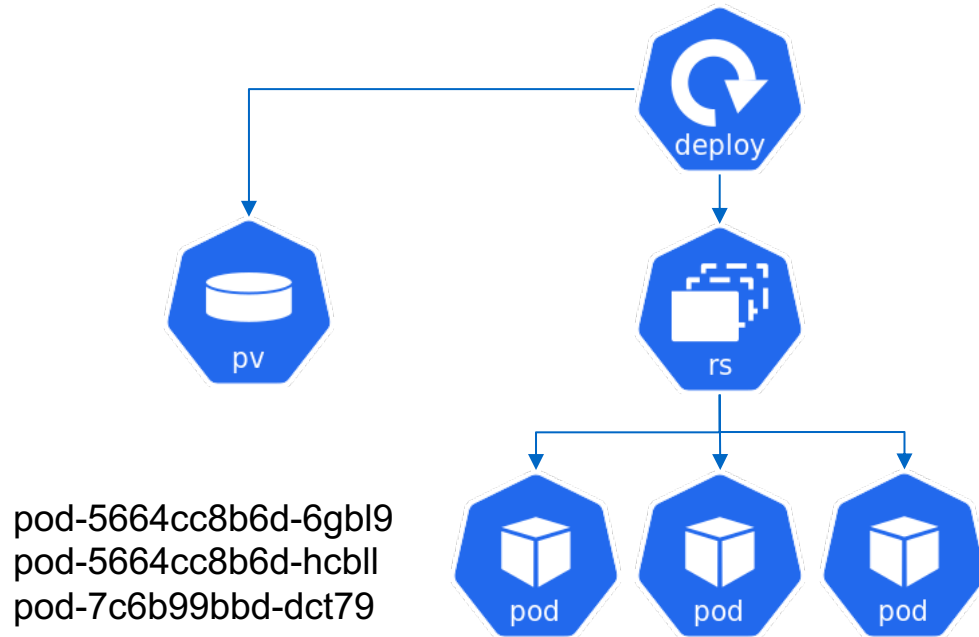


# New tier application architecture with Kubernetes



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

# Kubernetes controllers: Deployment vs StatefulSet



## Canary Deployment:

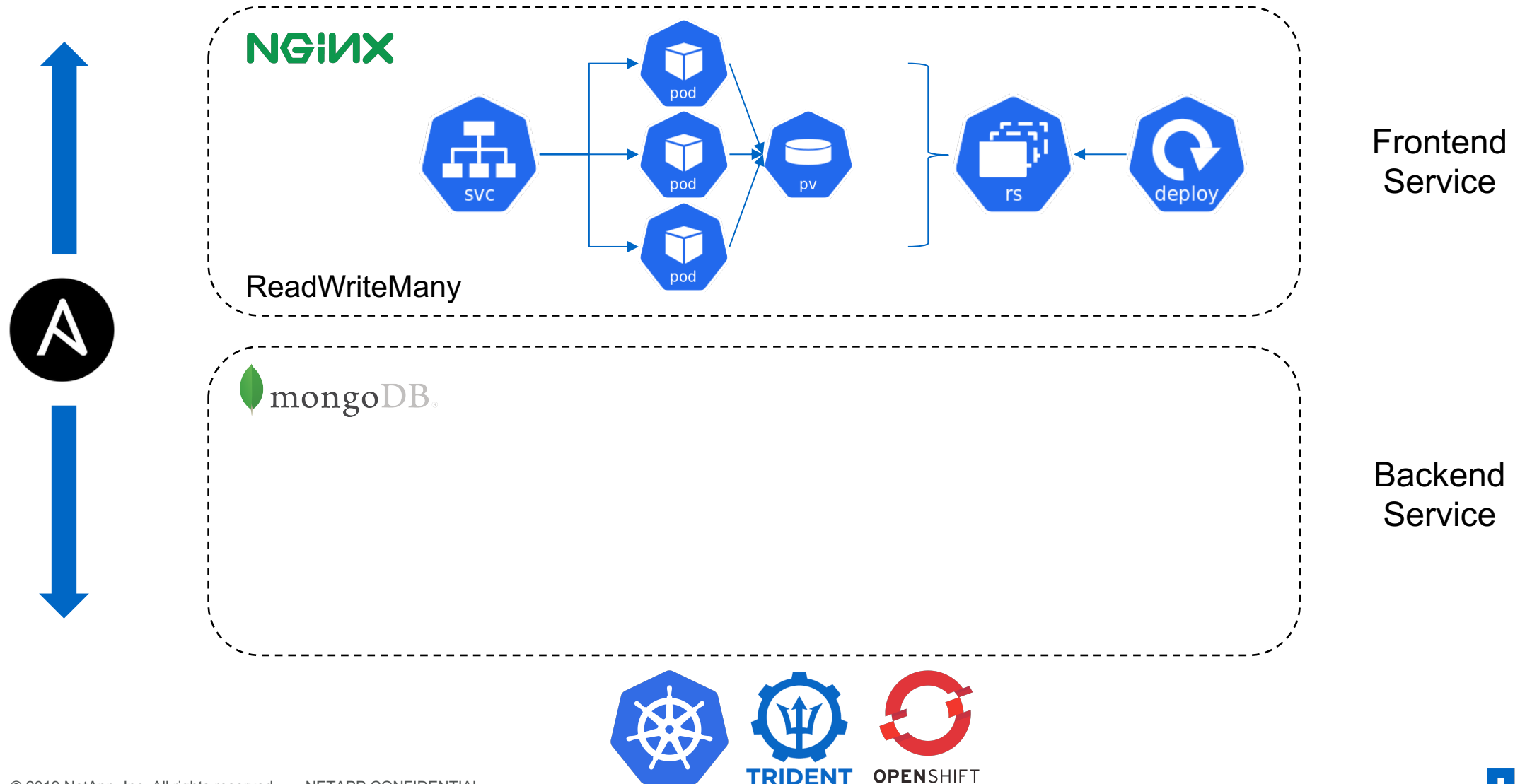
- Recreate
- RollingUpdate



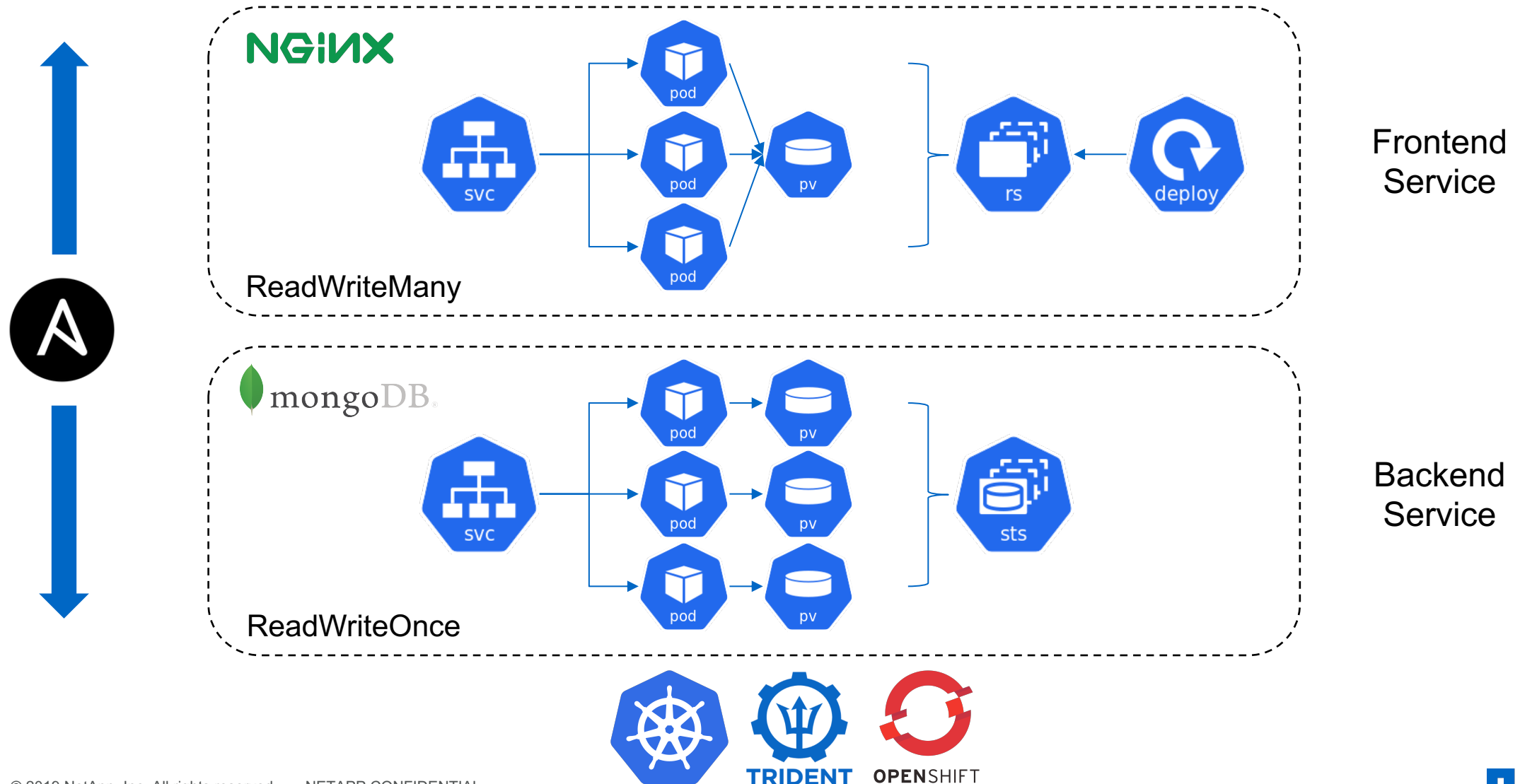
# New tier application architecture with Kubernetes



# New tier application architecture with Kubernetes



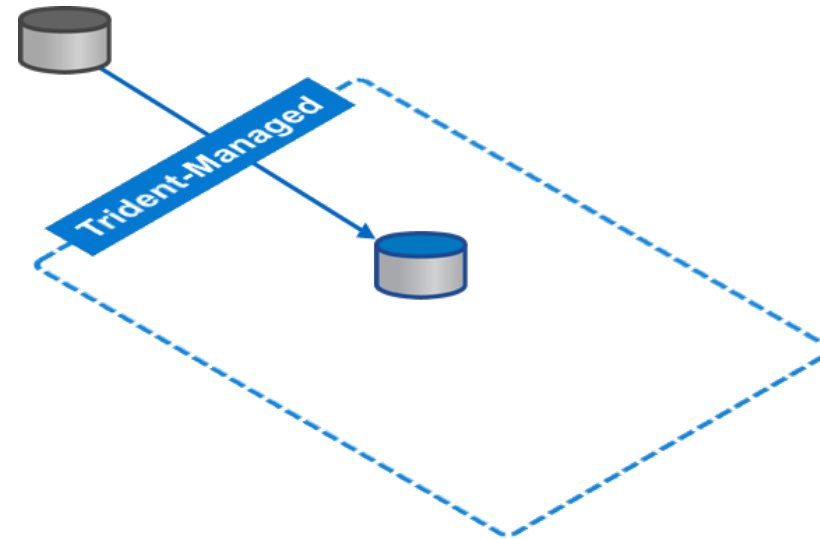
# New tier application architecture with Kubernetes



# Volume Import

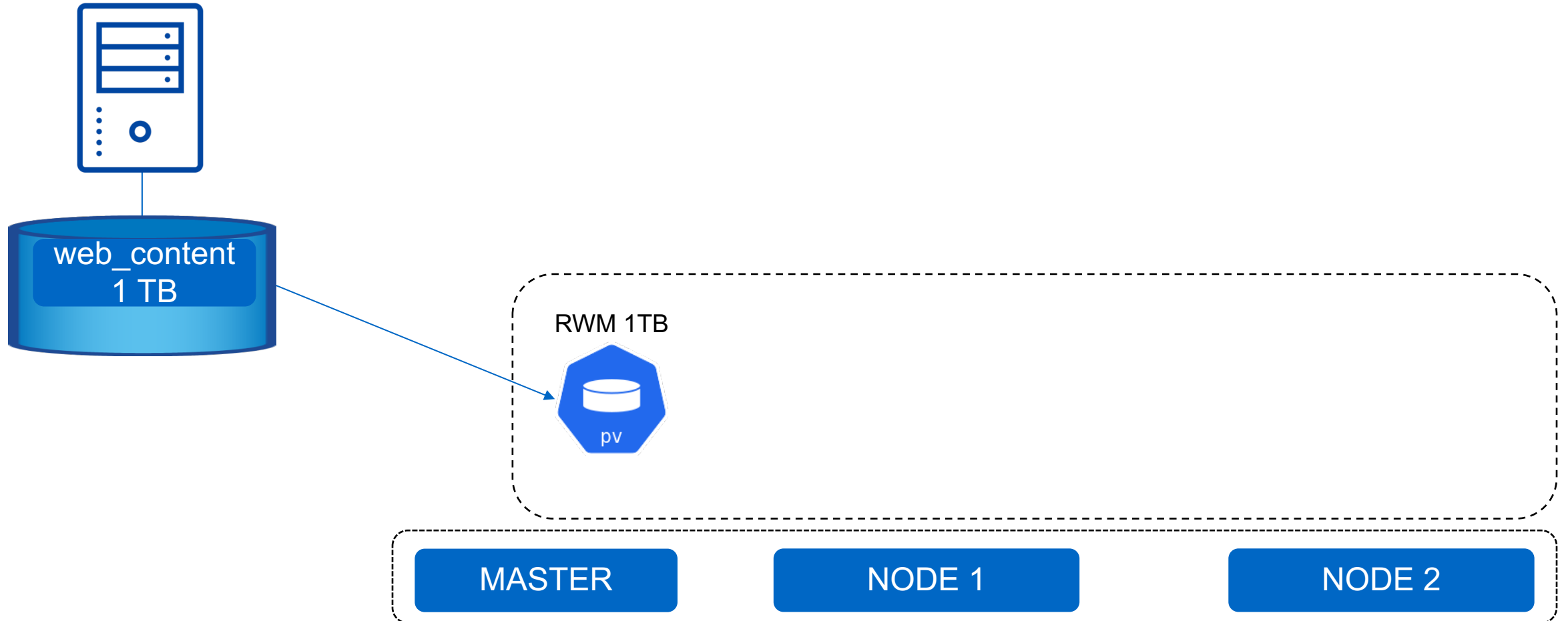
## Use cases:

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

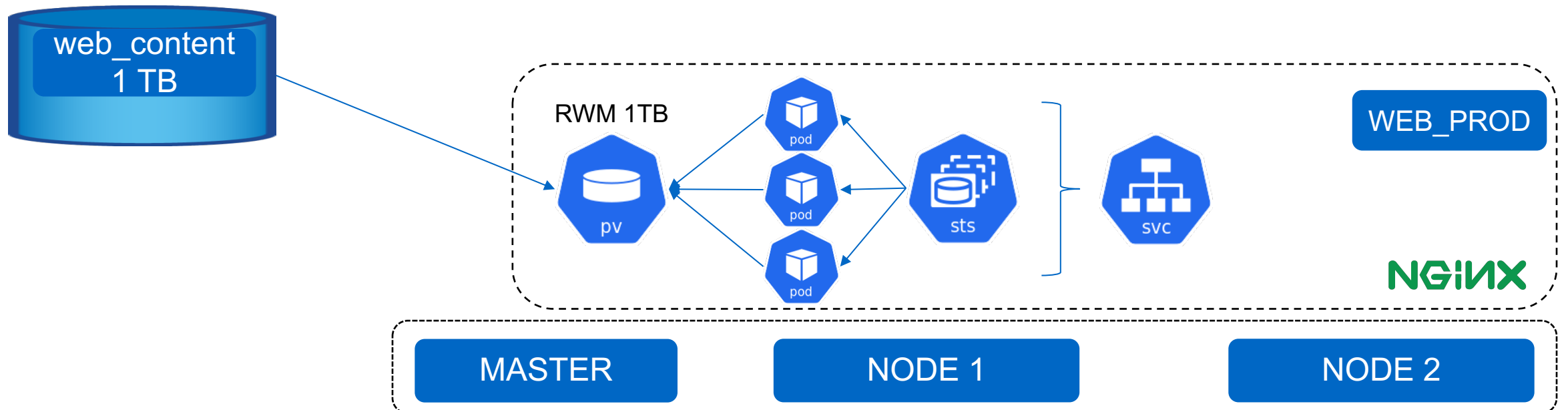




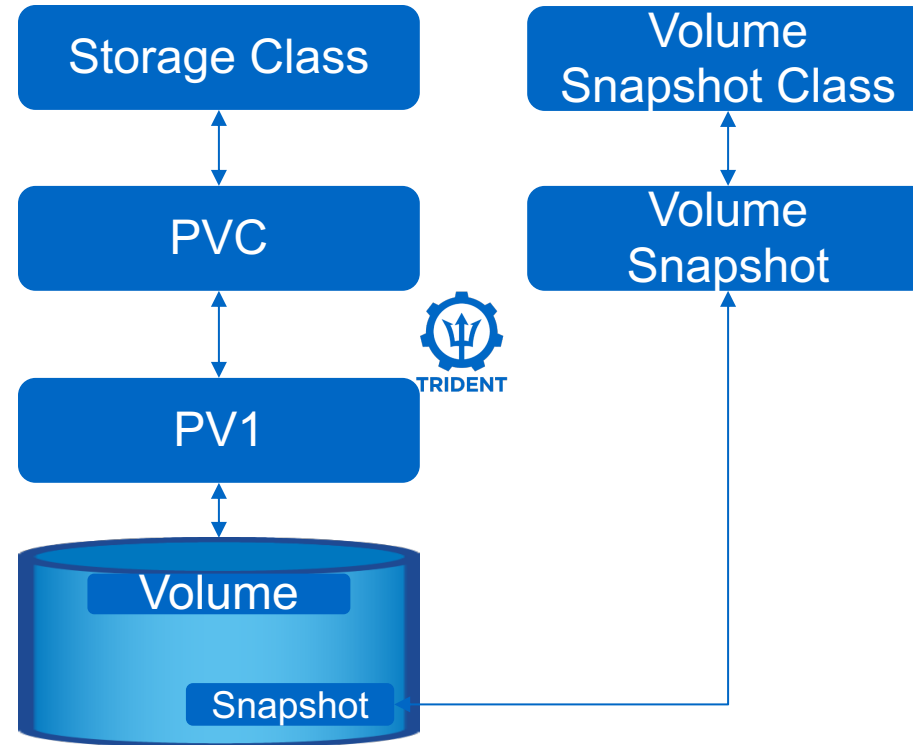
# Volume Import



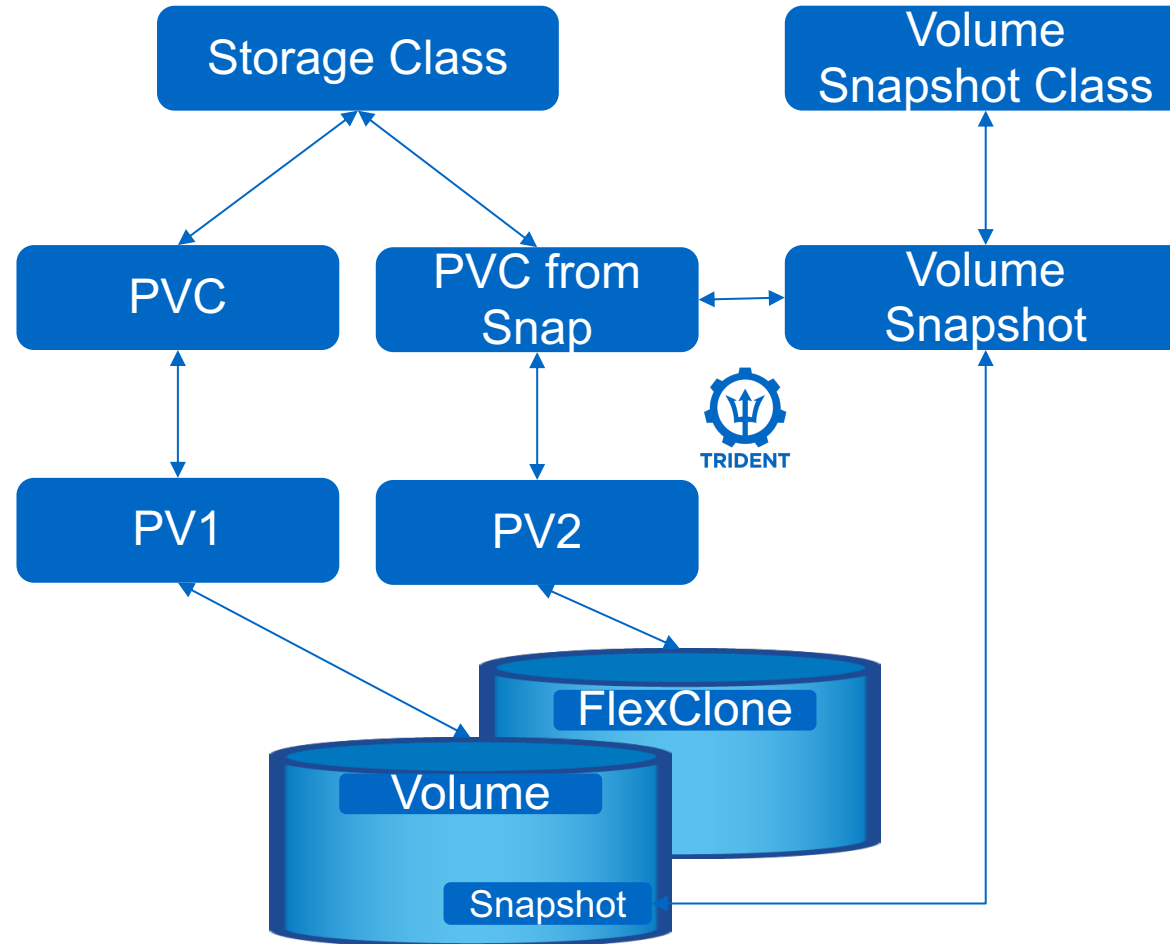
# Volume Import



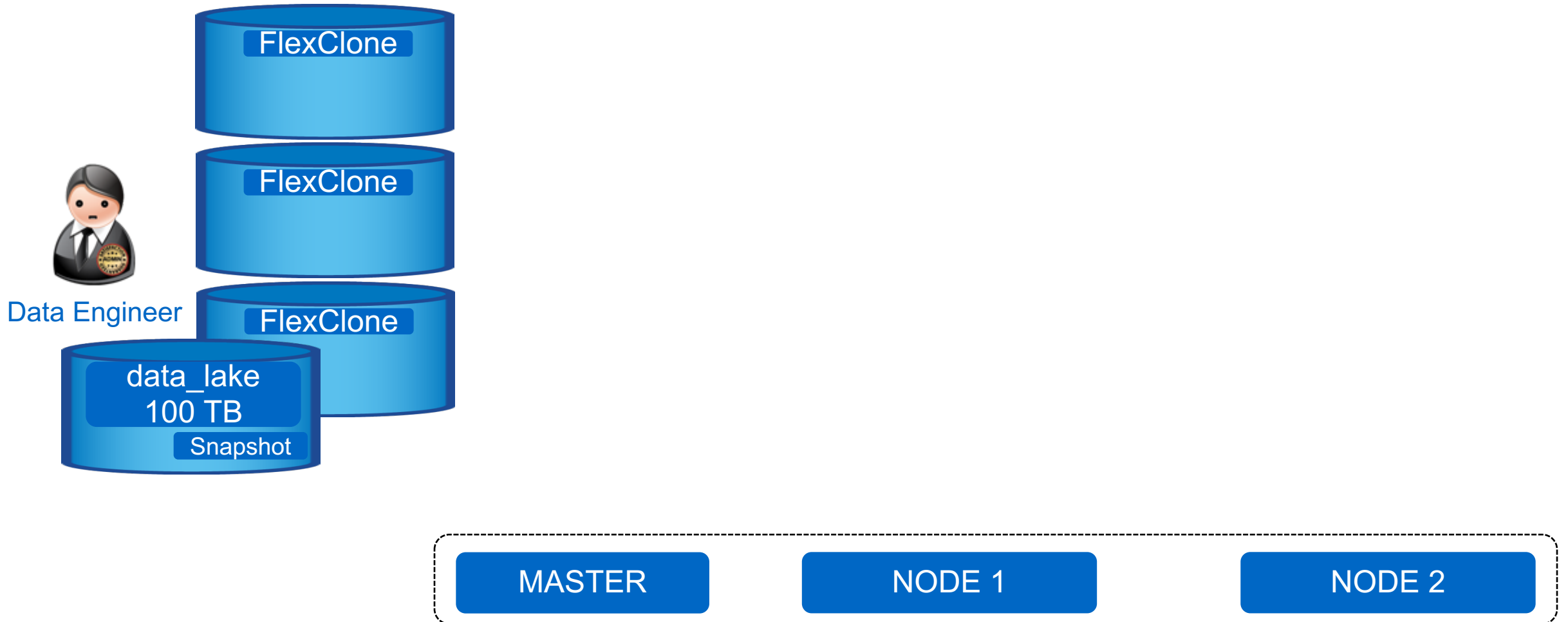
# Kubernetes CSI Snapshot



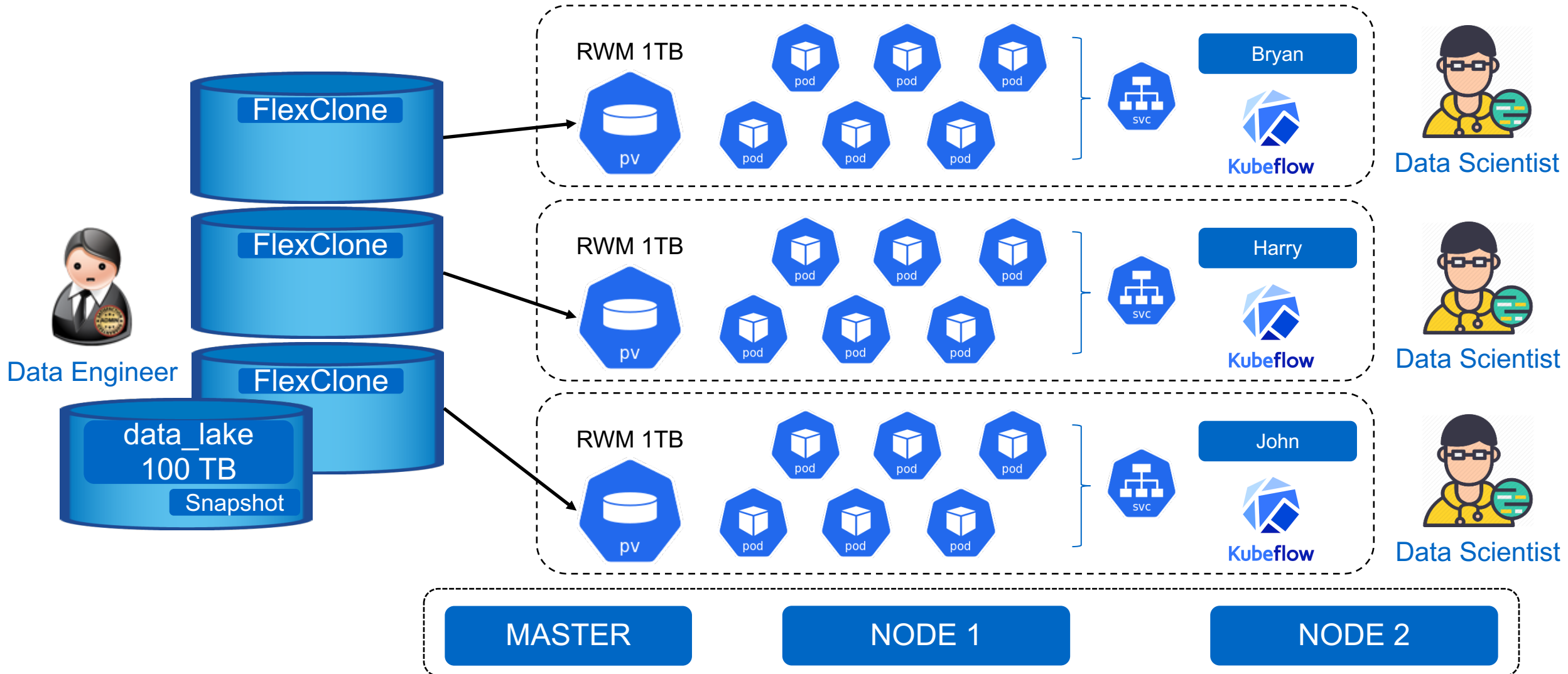
# Kubernetes CSI PVC from Snapshot (aka Clone)



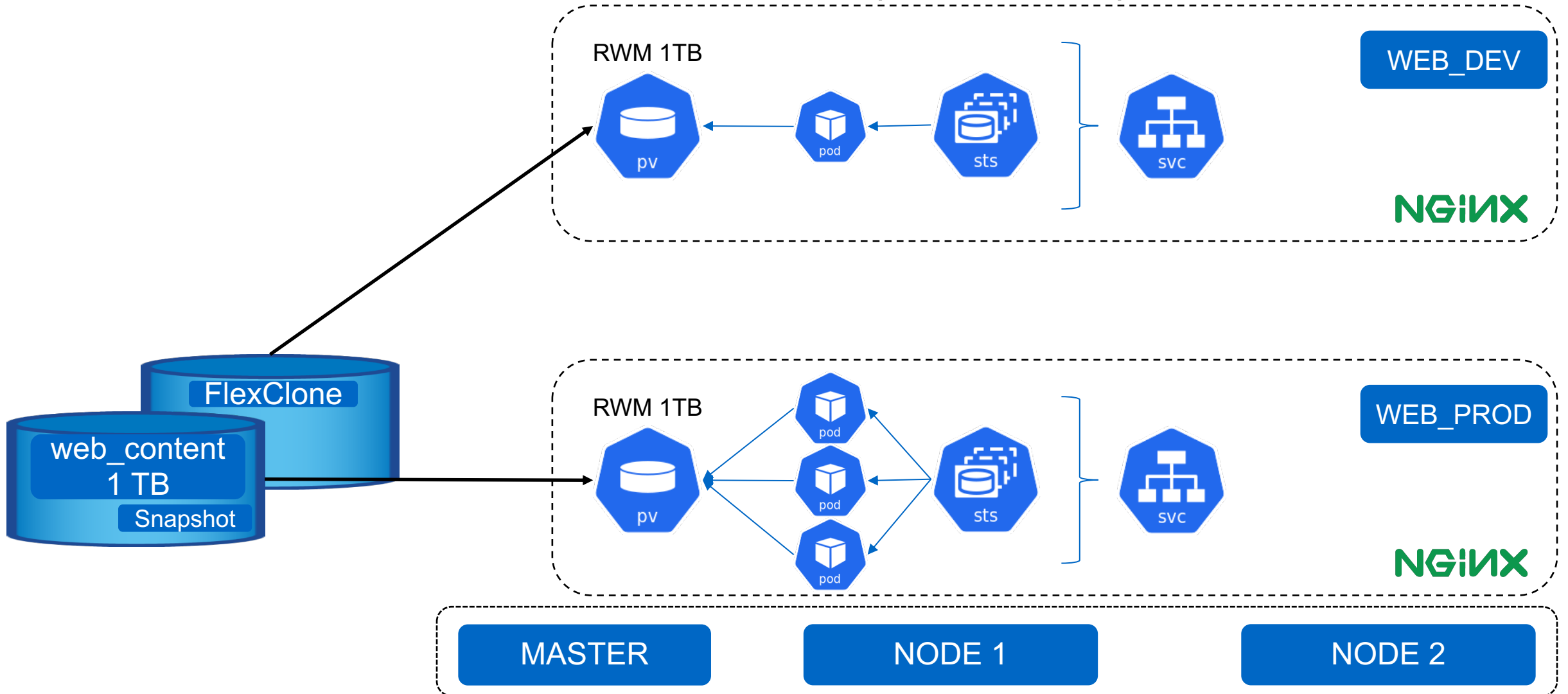
# Kubernetes CSI PVC from Snapshot (aka Clone)



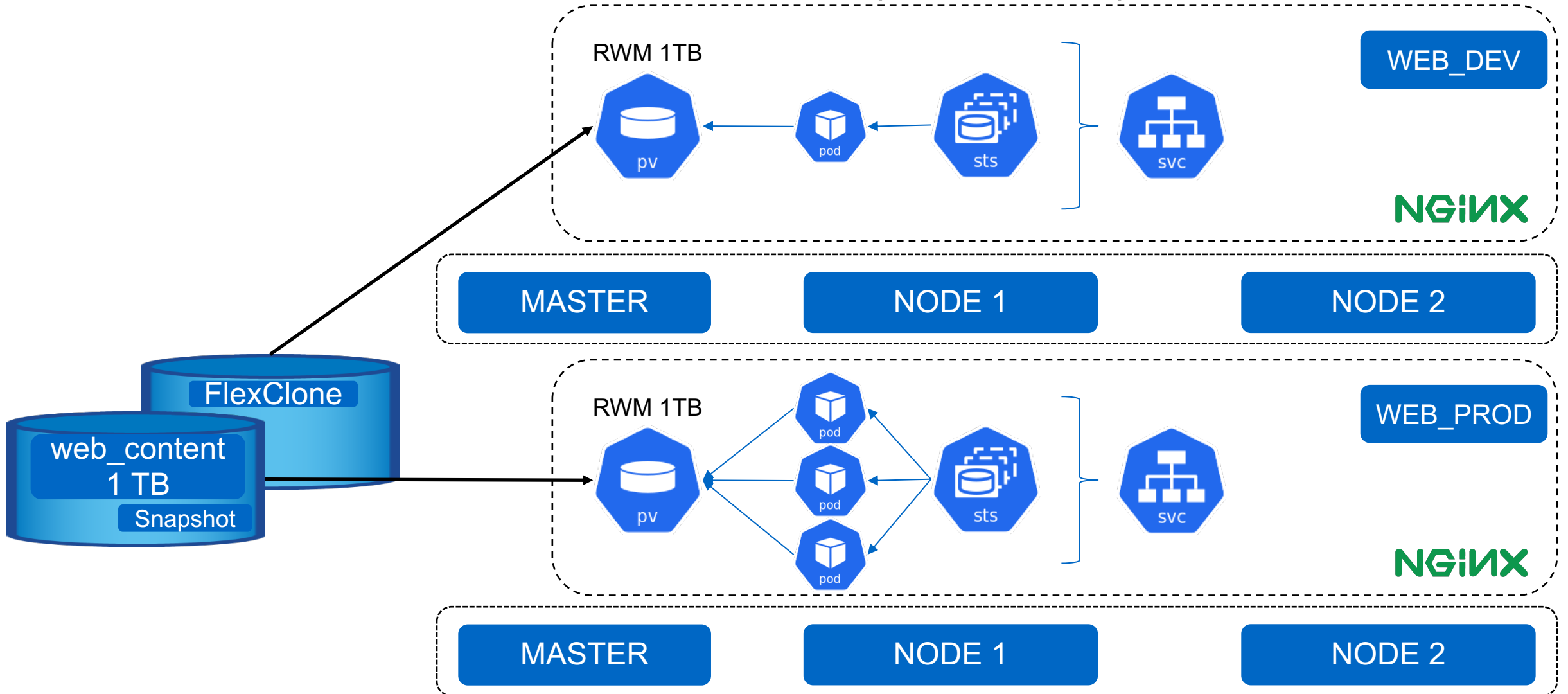
# Kubernetes CSI PVC from Snapshot (aka Clone)



# Kubernetes CSI PVC from Snapshot (aka Clone)

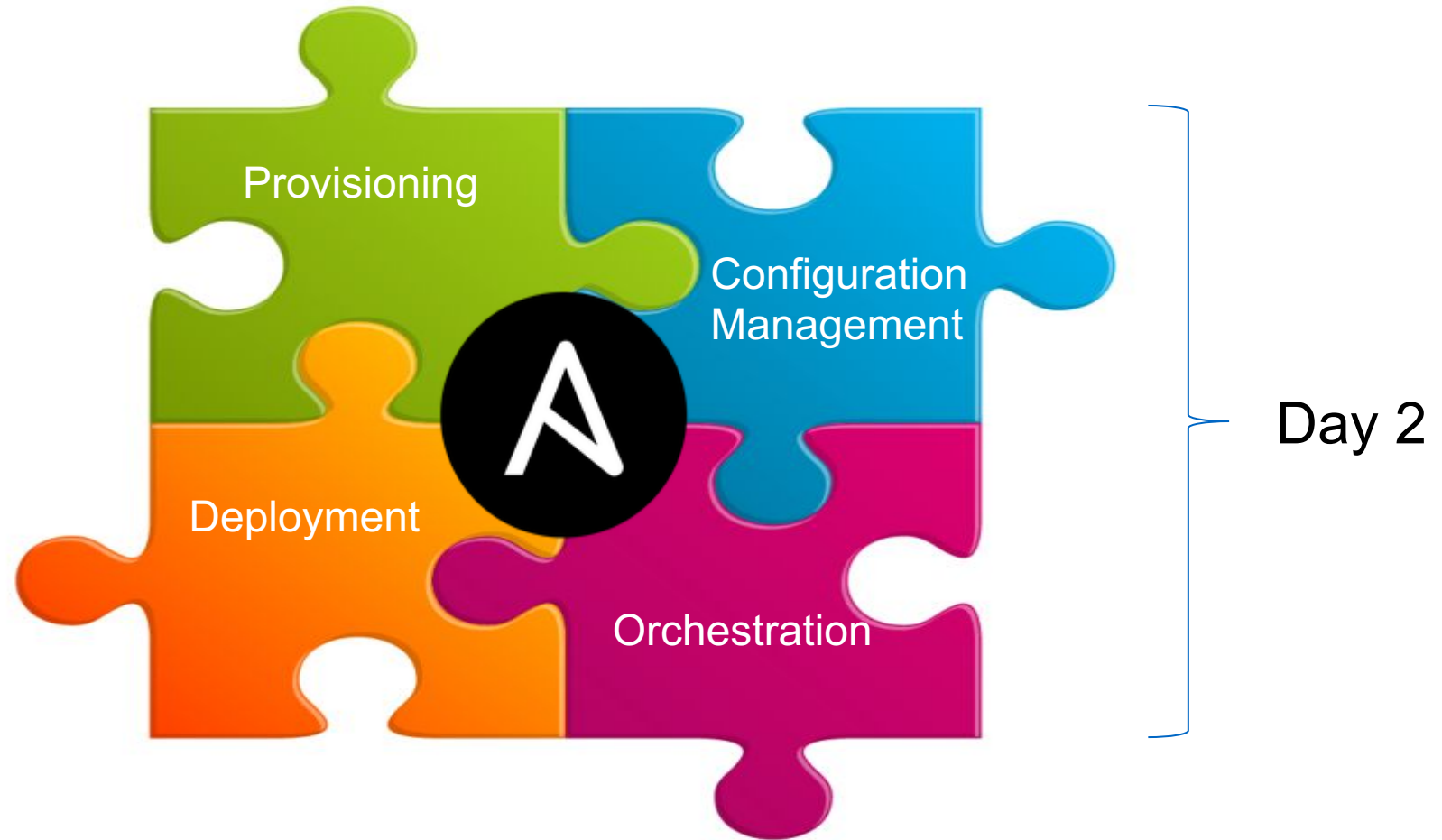


# Kubernetes CSI PVC from Snapshot (aka Clone)





# Ansible



# Summary

