### Common NFVI Telco Taskforce

Antwerp Face-To-Face Sessions

RA Chapter 03: OpenStack High Level Architecture RA Chapter 04: OpenStack laaS Cloud Architecture

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THE LINUX FOUNDATION

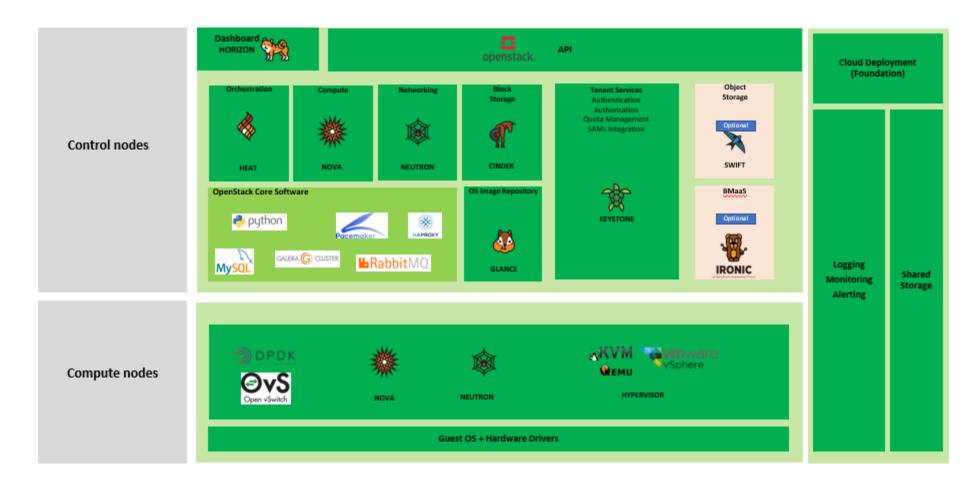


### Agenda

- Core NFVI Software Services
- > NFVI Software Services Topology
- Core OpenStack Services
- Cloud Topology Considerations
- > Cloud Operationalisation Other Considerations
- > Logging and Monitoring Framework



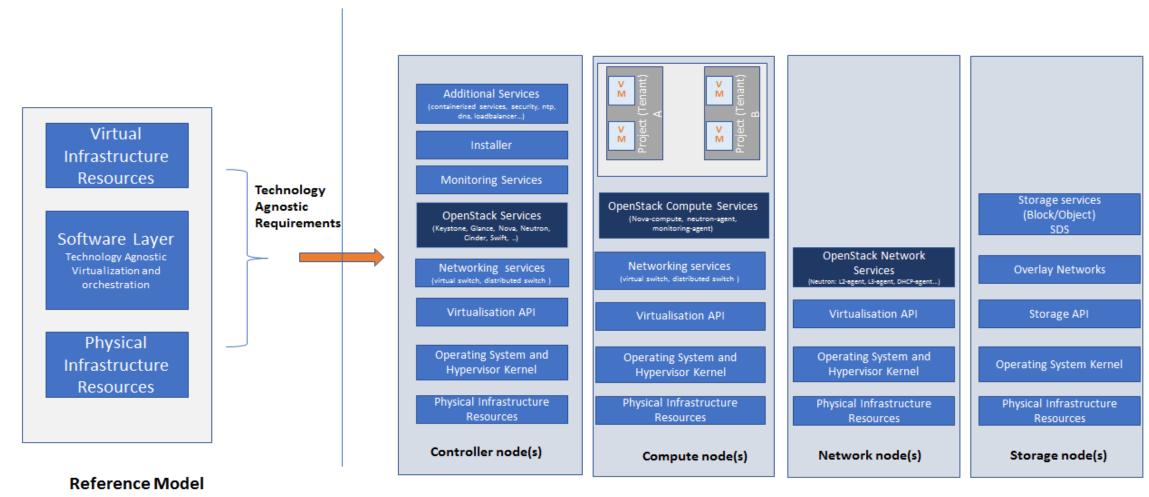
#### Core NFVI Software Services







### NFVI Software Services Topology



Reference Architecture





## Core OpenStack Services

Service	Description	Deployed on Controller Nodes	Deployed on Compute Nodes
Keystone	the authentication service	X	
Glance	the image management service	X	
Cinder	the block storage management service	X	
Swift	the Object storage management service	X	X
Neutron	the network management service	X	X
Nova	the compute resources management service	X	X
Ironic	the Bare Metal Provisioning service	X	X
Heat	the orchestration service	X	
Horizon	the WEB UI service	X	





#### Cloud Topology Considerations

- > Network Fabric follows the standard spine-leaf topology
- > Host Aggregates, Availability Zones
- > Multiple Pools/Single Pool of Hardware Resources

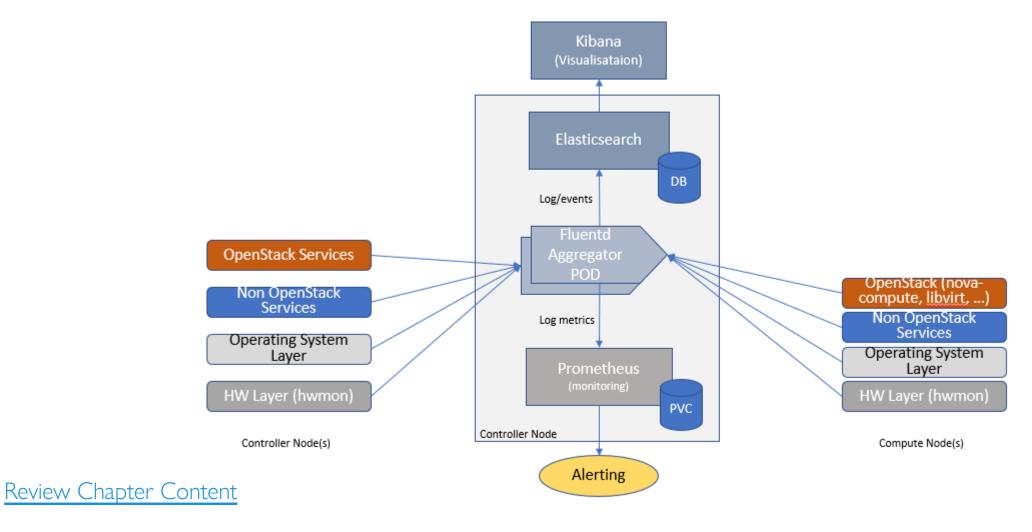


#### Cloud Operationalization Other Considerations

- > Logging and Monitoring Framework
- > Telemetry (not MVP)
- Security (not MVP: RM Chapter 7)
- > Operations (not MVP: RM Chapter 9)
- > Life Cycle Management (not MVP: RM Chapter 9)



### Monitoring and Logging Framework







# Appendix



