Common NFVI Telco Taskforce

Antwerp Face-To-Face Sessions

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

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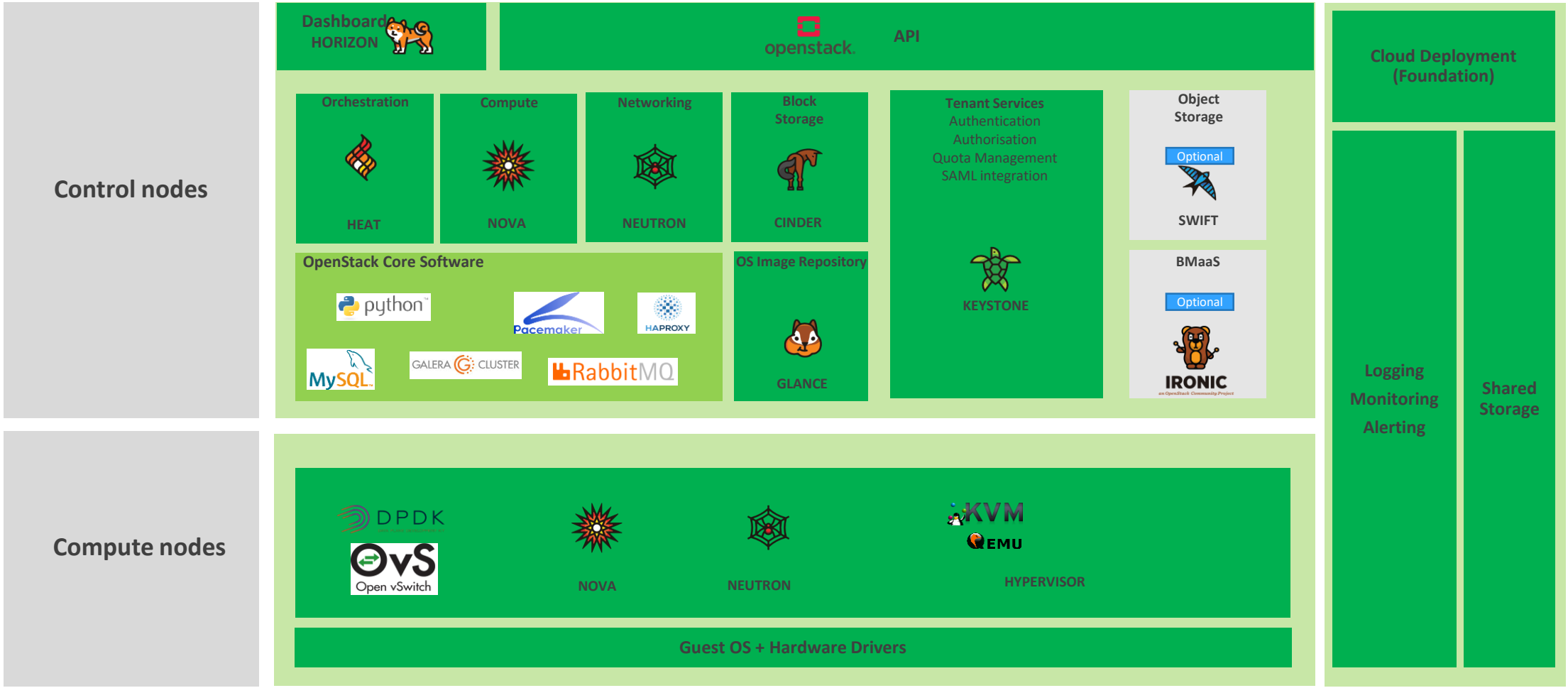
Agenda

- 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



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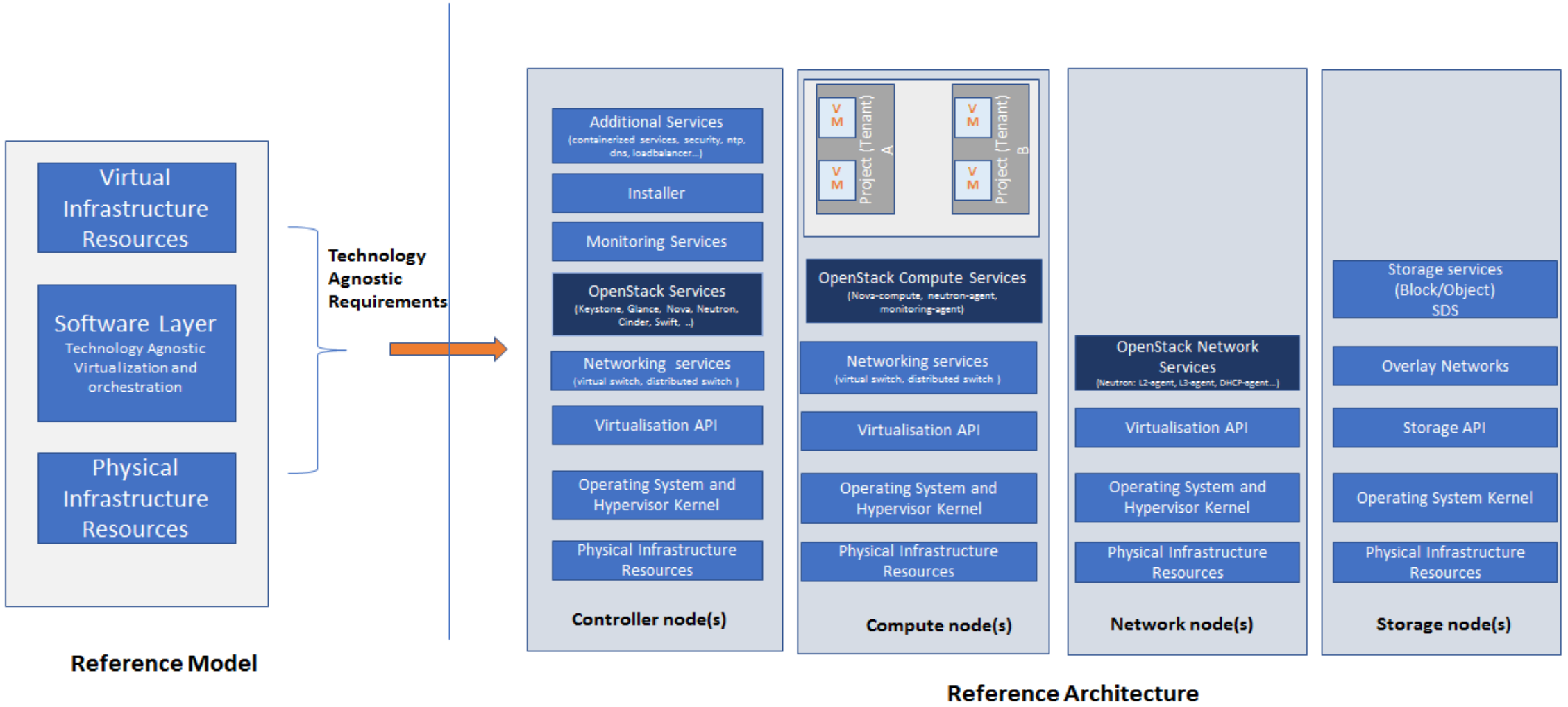
NFVI Software Services Topology



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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	

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Cloud Topology Considerations

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

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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)

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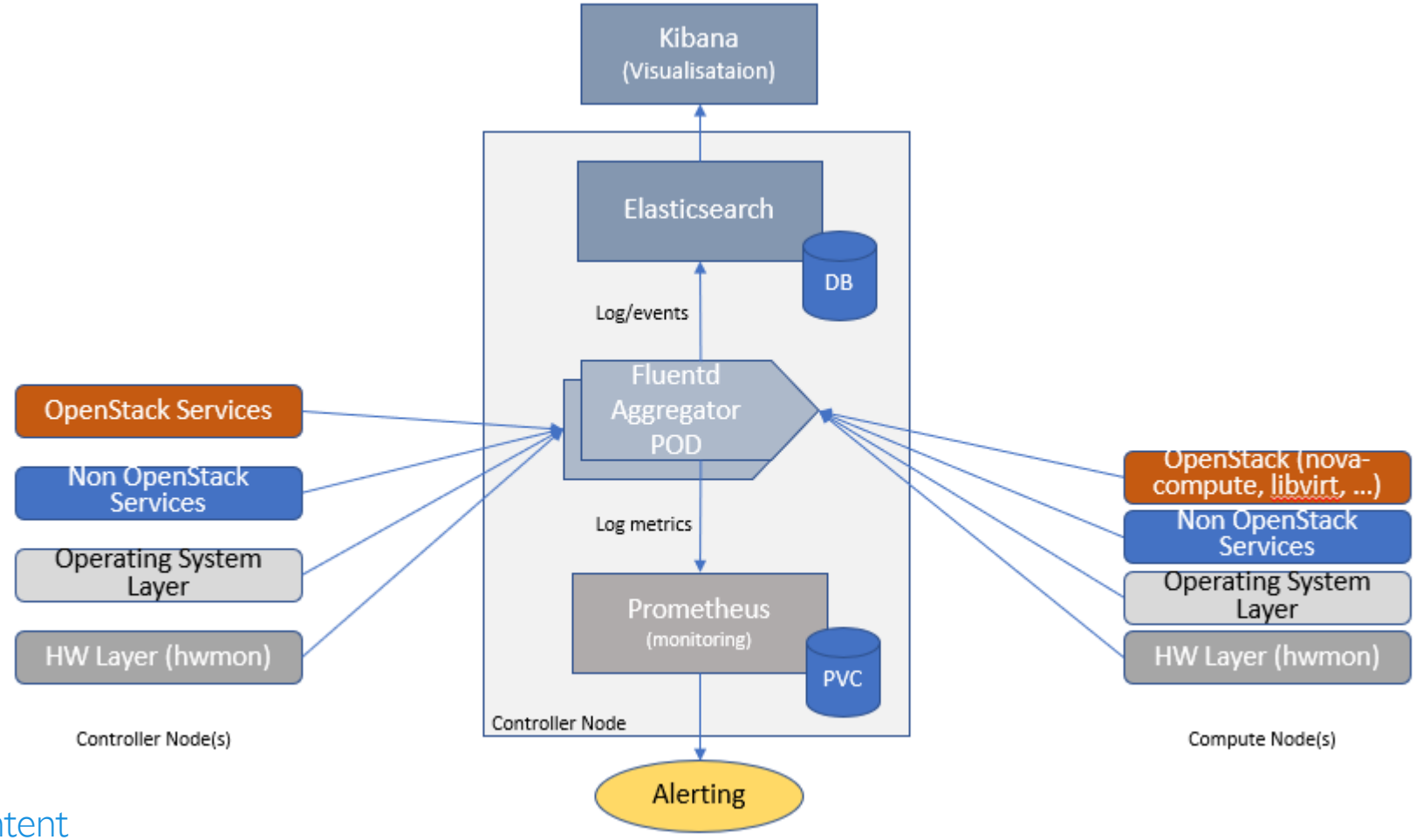
Monitoring and Logging Framework



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Appendix