

RED HAT FORUMS

SCALARE CON RED HAT OPENSIFT CONTAINER STORAGE 4

Carlos Torres - Senior Specialist Solution Architect

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OPENSIFT CONTAINER STORAGE 4.2 ARCHITECTURE

Red Hat Openshift Container Storage V4.2



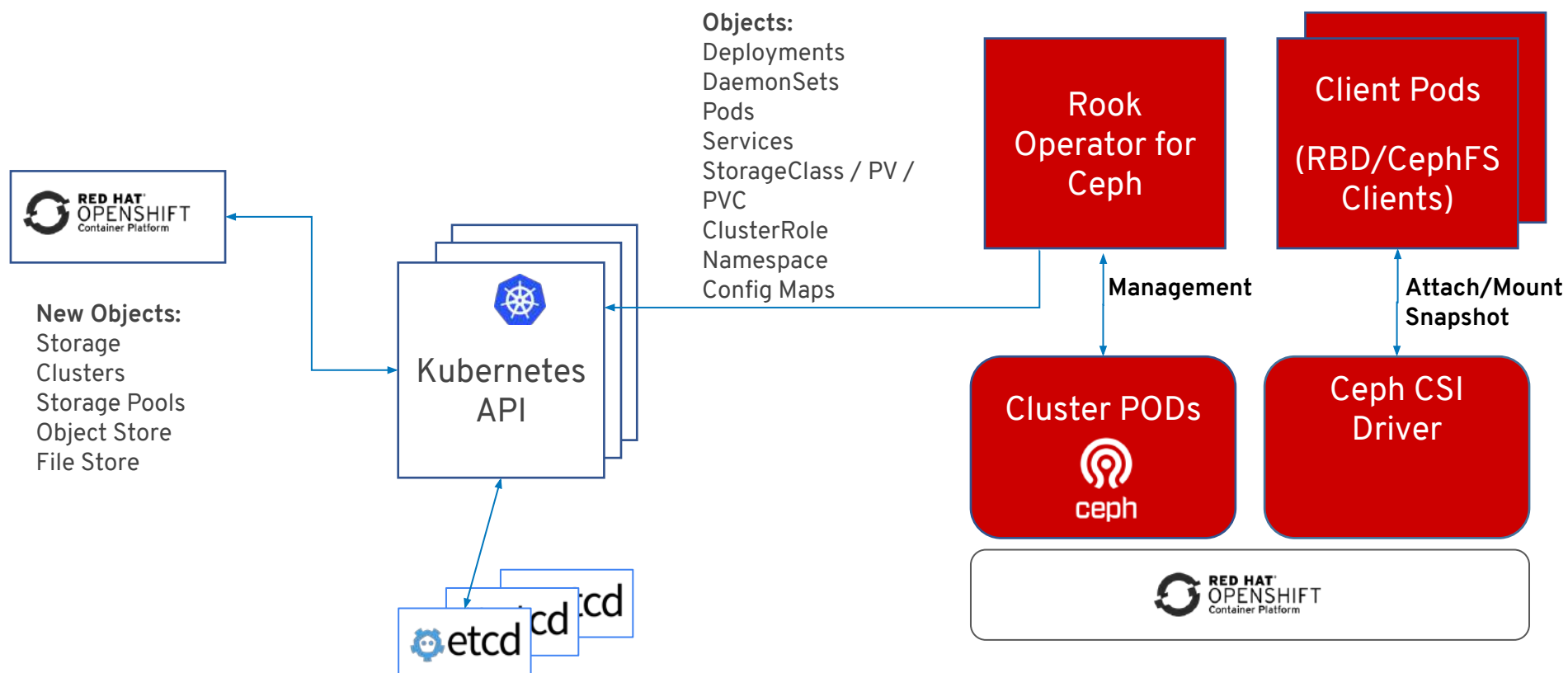
- Orchestrator for Ceph storage services in OpenShift
- Responsible to simplify and automate the storage lifecycle
- Fully compliant with the new CSI kubernetes storage standard

- Multiprotocol storage offers Block, File and Object interface
- Self-healing, self-management and rock solid technology
- Scale-Up and Scale-Out, performance and capacity at scale

- Multi Cloud Gateway enables S3 federation
- Provides elastic S3 data placement and improves security
- Multi-Cloud, Hybrid-cloud, Multi-Site Buckets

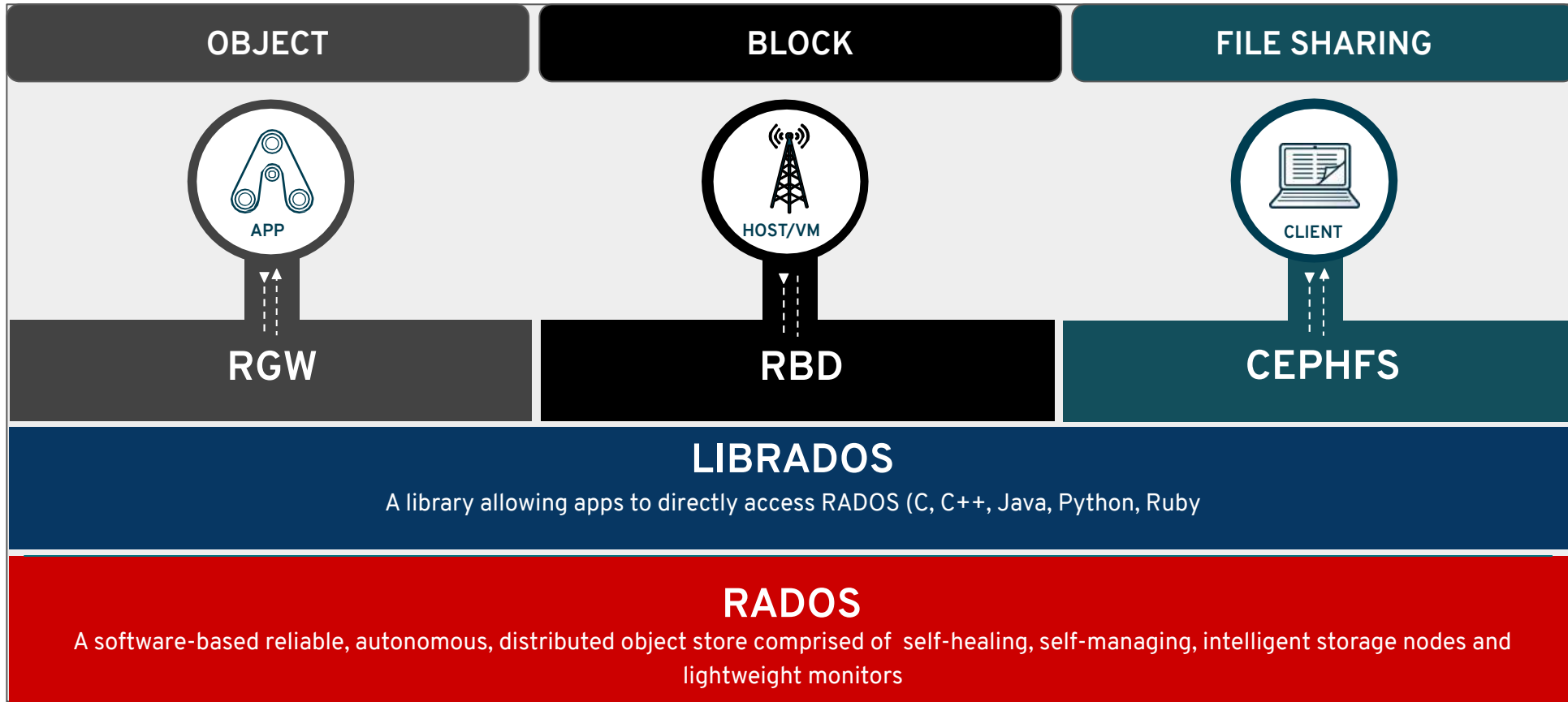


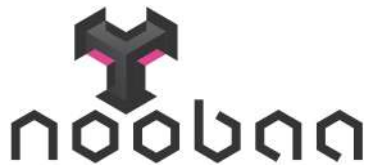
Rook Operator



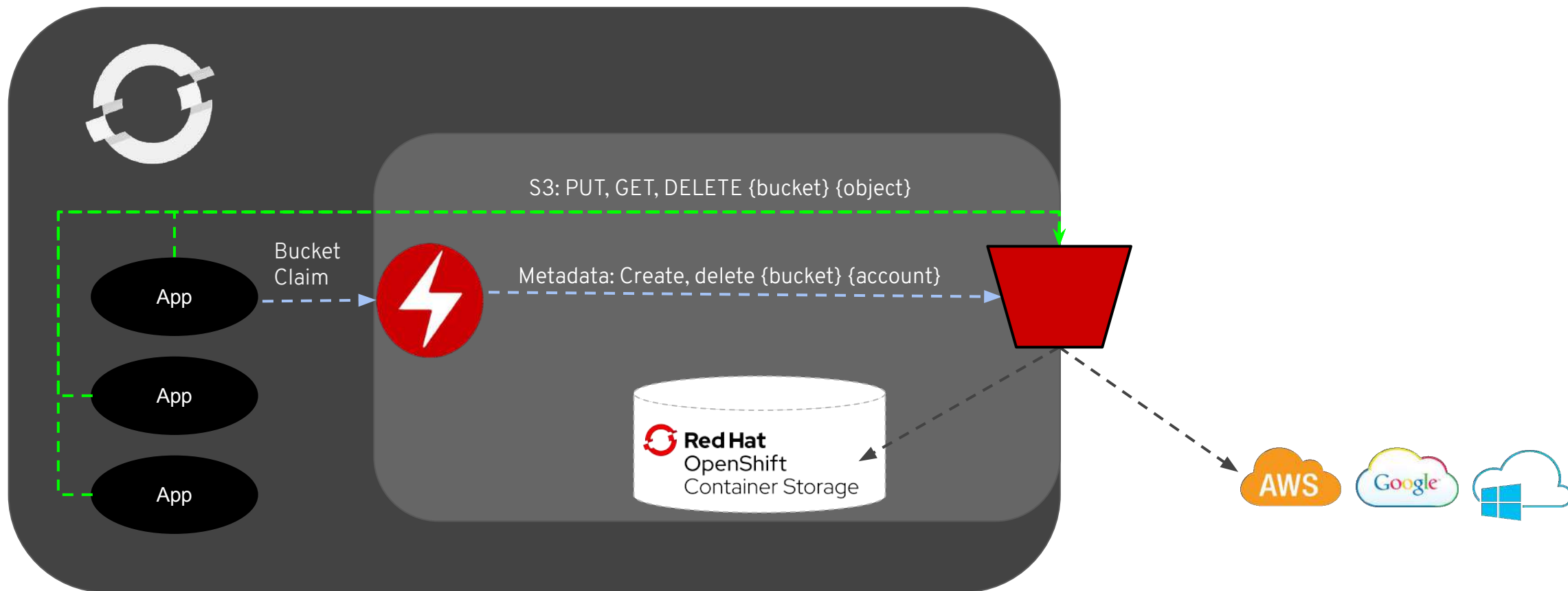


Ceph Storage

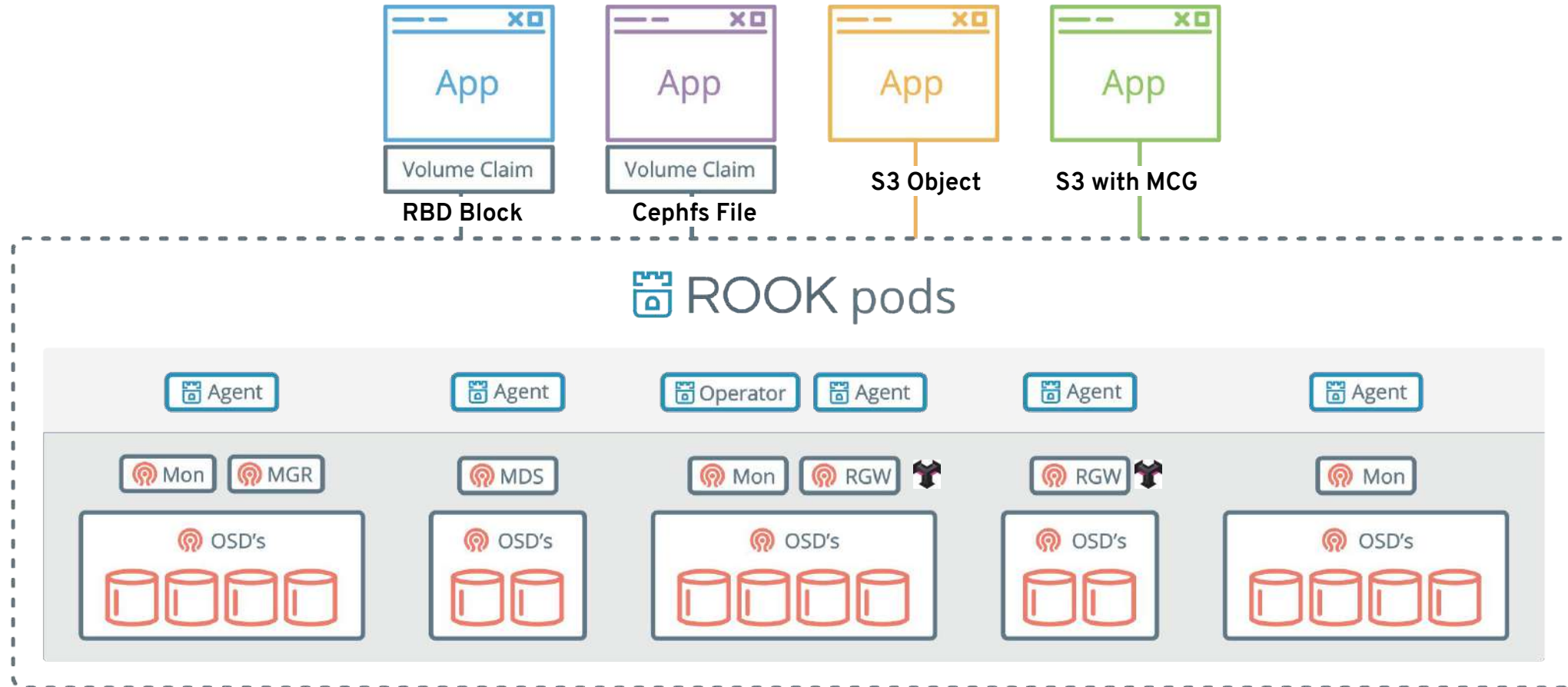




Multi Cloud Gateway



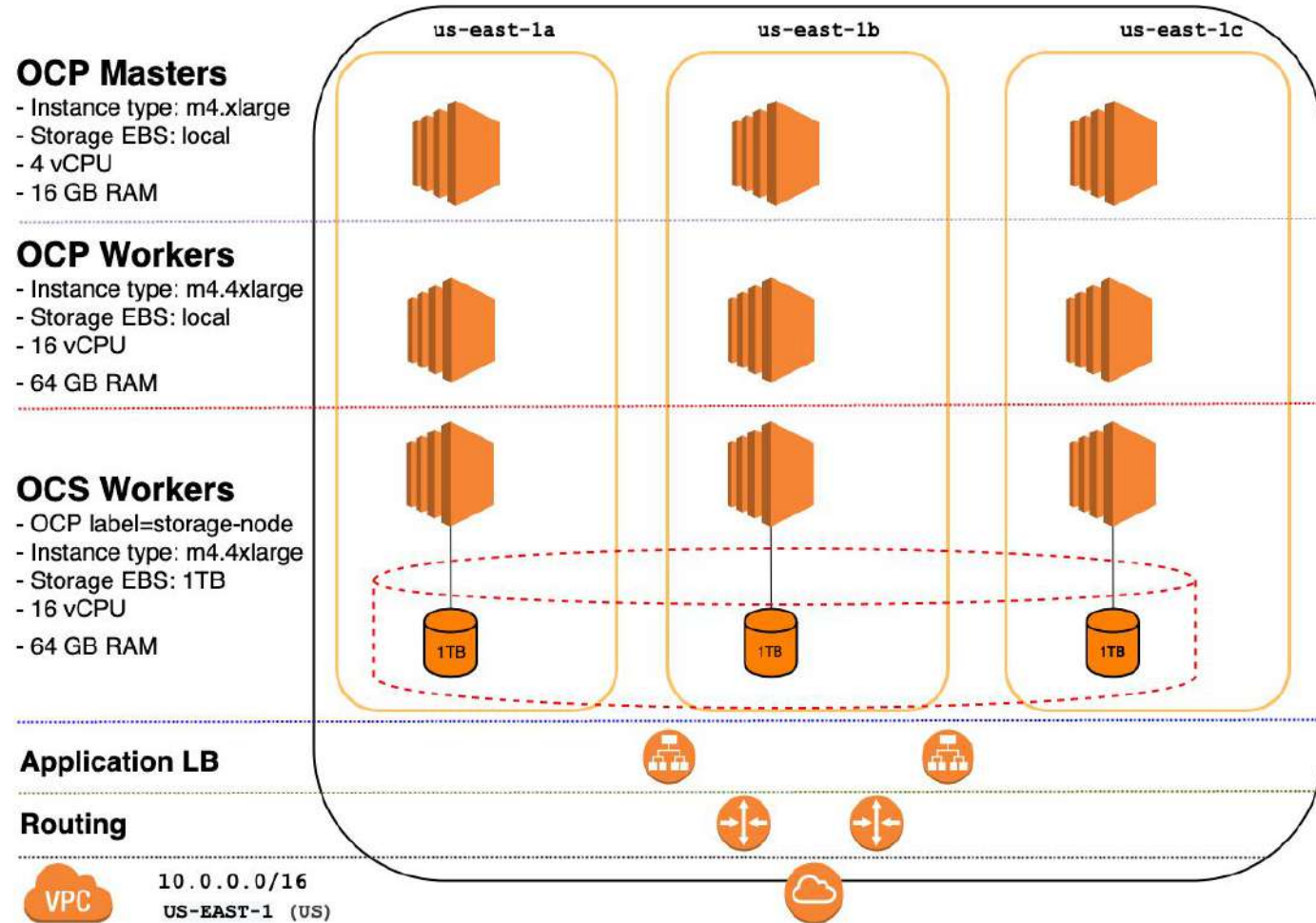
Red Hat OpenShift Container Storage



OPENSIFT CONTAINER STORAGE 4.2 DEMO

Demo Use Cases

1. Deployment RHCOS v4.2 (beta)
 - Scale OCP cluster with +3 nodes
 - Deployment from operator
 - 1000 PVC file+block create/delete
2. APP Postgres+Rails
 - DB Performance testing
3. APP: Kafka
 - Zookeeper, partition, producer and consumer 1M messages
4. Quay with multi-cloud bucket
 - S3 federation on-prem+public cloud
5. Cluster scale out
 - +3TB from operator



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3. APP: Kafka
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5. Cluster scalability
 - +3TB from operator

