

Warren 2025 HCI PoC

Networks

Access to cluster using VPN. Preferably OpenVPN. VPN should give us access to "access" vlan and IPMI for disaster recovery or support.

Interconnect on-board 1Gbe NICs (without vlan tag, may be native vlan) to be able to network boot ceph nodes using the control nodes.

VLANS

- ACCESS** - vlan-id: X subnet: 10.10.x.0/23 - all warren nodes - NAT to access internet - should be accessible from VPN
- CLUSTER** - vlan-id: Q subnet: 10.10.110.0/23 - all warren nodes + all storage nodes
- TUNGSTEN** - vlan-id: Y 10.10.100.0/23 - all warren nodes + router, virtual machine public IPs
- STORAGE** - vlan-id: Z subnet: 10.10.102.0/23- all storage nodes + all storage nodes (also called Ceph public)
- CEPH_PRIVATE** - vlan-id: ZY subnet: 10.10.104.0/23- all warren nodes (Ceph internal traffic)
- PUBLIC** - vlan-id: W - all nodes for service UI & API (not needed if there's possibility to use 1-on-1 NAT for control nodes access vlan)

Bonding - LACP

VLAN mapping to Node

Control/Warren/Storage hybrid nodes

1Gbe - access

BOND0 2x10Gbe+ - cluster / tungsten / public / storage

BOND1 (optional) 2x10Gbe+ - ceph_private

