

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
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 warren nodes + all storage nodes (also called Ceph public)
CEPH_PRIVATE - vlan-id: ZY subnet: 10.10.104.0/23- all storage nodes (Ceph internal traffic)
PUBLIC - Vlan-id: W - all control 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 nodes

BOND0 2x10Gbe+ - access / tungsten / public
BOND1 (optional for Control) 2x25Gbe+ - storage

Storage nodes

BOND0 2x25Gbe+ - access / ceph_private
BOND1 2x25Gbe+ - access / storage

