compute, storage, network on every node

kvm

ceph – object and block storage

plumgrid – software defined networking partnet

rolling upgrades – server by server

adding support for hadoop (big data) , container(docker) in the future in addition to open stack

ceph vs swift redundancy

raw better performance than ccow2

ccow2 (thinly provisioned)

1 boot node per cluster + cluster nodes

PLUMgrid – uses vxLAN

Moxis Runtime Environment (RTE) – Piston’s distributed systems orchestration – controls location of all the openstack components and can move them around.

Ceph – storage backend – not part of openstack

Storage on hypervisor page is ephemeral storage

ceph status command can be run on any cloud node coming from boot node.

SMTP logging for Ceph

Syslog server