

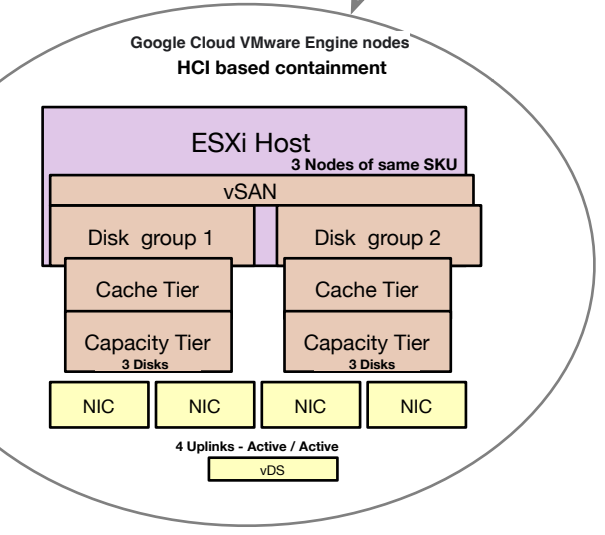
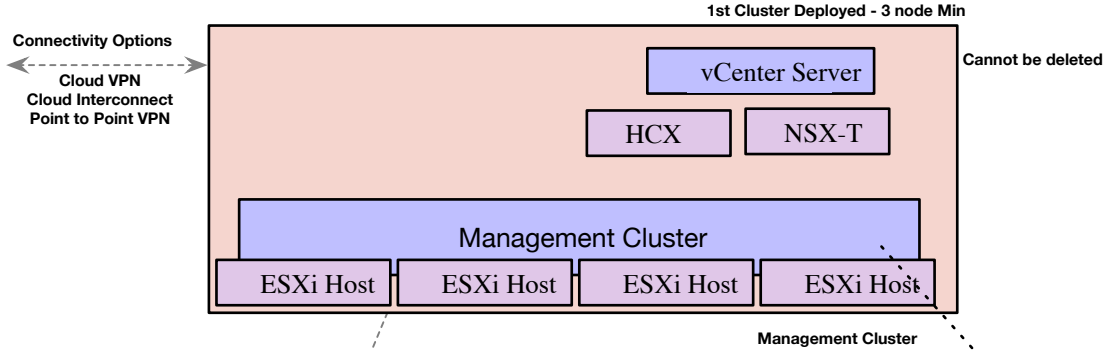
Initial Networking Allocation  
CIDR Range - between /24 & /21  
Plan scale for deployment

Private Cloud DNS Profile

Restricted IP Ranges

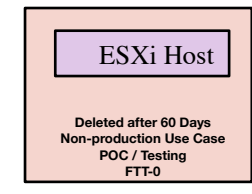
- 127.0.0.0/8
- 224.0.0.0/4
- 0.0.0.0/8
- 169.254.0.0/16
- 198.18.0.0/15
- 240.0.0.0/4

Custom Core Counts  
reduce the number of cores for  
licensing scenarios

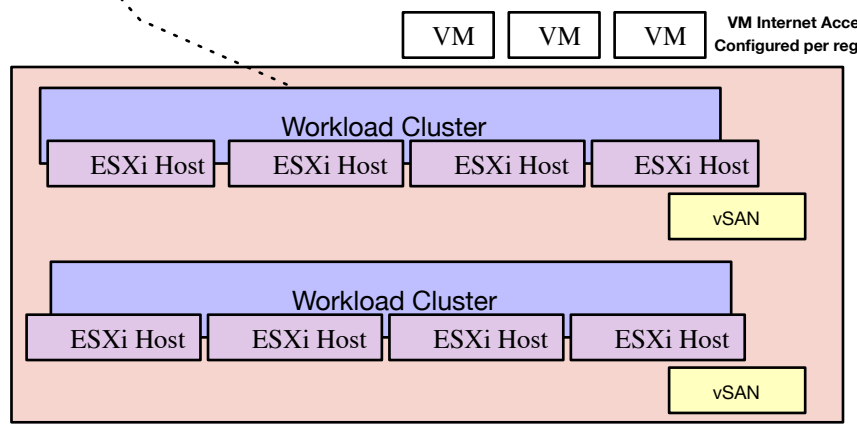


vSAN Data Encryption - Enabled By Default  
KMS = Google Cloud Key Management Service  
one instance per region  
or External KMS  
Alert Raised if deleted

Cluster Settings  
DRS - Fully Automated  
vSphere HA = Enabled



Cannot be added to existing private cloud  
Cannot Convert from a 3 node  
Features impacted differ from 3 node deployment



Deduplication & Compression  
Enabled (Changeable)

SLA = Keep 25% Free  
Default Policy  
FTT=1 | 3/4 Nodes  
FTT=2 | 5-32 Nodes

### Day 2 Operational Thoughts

**AutoScale**  
Defined at VMware Engine Portal  
30 Minutes trigger action  
Or action for addition  
And action for removal  
Node Quota

**RBAC**  
CloudOwnerAccount  
Customer roles  
Use of elevation  
IAM Policy

**Monitoring**  
Google operations dashboards | blindpane  
syslog to a remote server  
vCenter tooling  
vROps on-premises only (workload VMs only)

**Placement Groups**  
Same AZ  
Spread nodes across racks within  
the same spine network

**Node Replacement**  
Hosts monitored for errors.  
Replacement node added  
from the pool and failed node  
removed  
Impact to storage restored

**Back Up**  
Nightly Backup of VCSA and DVS  
Back up prior to maintenance