VMware vSphere As Built Report

|  |  |
| --- | --- |
| Author: |  |
| Date: | 20 March 2019 |
| Version: | 1.0 |

# 1 vcenter01.cloudlab.local

## 1.1 vCenter Server

The following section provides information on the configuration of vCenter Server vcenter01.cloudlab.local.

|  |  |
| --- | --- |
| Name | vcenter01.cloudlab.local |
| IP Address | 172.31.192.5 |
| Version | 6.7.0 |
| Build | 10244857 |
| OS Type | linux-x64 |
| Instance Id | 23 |
| Password Expiry in Days | 30 |
| HTTP Port | 80 |
| HTTPS Port | 443 |
| Platform Services Controller | vcenter01.cloudlab.local |

### 1.1.1 Database Settings

|  |  |
| --- | --- |
| Database Type | embedded |
| Data Source Name | VMware VirtualCenter |
| Maximum Database Connections | 50 |

### 1.1.2 Mail Settings

|  |  |
| --- | --- |
| SMTP Server |  |
| SMTP Port | 25 |
| Mail Sender |  |

### 1.1.3 Historical Statistics

| Interval Duration | Interval Enabled | Save Duration | Statistics Level |
| --- | --- | --- | --- |
| 5 Minutes | True | Past day | 1 |
| 30 Minutes | True | Past week | 1 |
| 2 Hours | True | Past month | 1 |
| 1 Day | True | Past year | 1 |

### 1.1.4 Licensing

| Product Name | License Key | Total | Used | Available |
| --- | --- | --- | --- | --- |
| Product Evaluation | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 | 0 |  | 0 |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND | 0 | 14 | -14 |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-033KP-0N6MH | 5 | 0 | 5 |
| NSX for vShield Endpoint | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00AU6-3T952 | 0 | 0 | 0 |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0T986-95V2J | 5 | 0 | 5 |
| NSX for vSphere - Enterprise | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-009KM-3R2M4 | 16 | 0 | 16 |
| Virtual SAN Enterprise | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0T2R0-80LK3 | 0 | 0 | 0 |
| VMware vSphere 5 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0K880-ARTL0 | 20 | 0 | 20 |
| VMware vCenter Server 6 Standard | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-0C22P-8X6NH | 2 | 1 | 1 |

### 1.1.5 Roles

| Name | System Role |
| --- | --- |
| Admin | True |
| Anonymous | True |
| cohesity | False |
| com.vmware.Content.Admin | False |
| DatastoreConsumer | False |
| InventoryService.Tagging.TaggingAdmin | False |
| NetworkConsumer | False |
| NoAccess | True |
| NoCryptoAdmin | True |
| ReadOnly | True |
| Resource pool - Assign (JSJ) | False |
| Resource Pool - DC Assign | False |
| ResourcePoolAdministrator | False |
| View | True |
| Virtual machine user (DC Level) | False |
| VirtualMachinePowerUser | False |
| VirtualMachineUser | False |
| VMware HCIA Management | False |
| VMwareConsolidatedBackupUser | False |

### 1.1.6 Tags

| Name | Description | Category |
| --- | --- | --- |
| AvamarBackup |  | AvamarBackup |
| Daily-15-Days-10pm |  | AvamarBackup |
| Daily-30-days-6pm |  | AvamarBackup |

### 1.1.7 Tag Categories

| Name | Description | Cardinality |
| --- | --- | --- |
| AvamarBackup |  | Single |

### 1.1.8 Tag Assignments

| Tag | Entity |
| --- | --- |
| AvamarBackup/Daily-15-Days-10pm | SysTrackVMP |
| AvamarBackup/Daily-15-Days-10pm | MGMT01 |
| AvamarBackup/Daily-15-Days-10pm | MGMT02 |
| AvamarBackup/Daily-15-Days-10pm | Win10-Test |
| AvamarBackup/Daily-30-days-6pm | Linux-MGMT |
| AvamarBackup/Daily-30-days-6pm | DC1 |
| AvamarBackup/Daily-30-days-6pm | DC2 |
| AvamarBackup/Daily-30-days-6pm | Win10-MGMT |

## 1.2 Clusters

The following section provides information on the configuration of each vSphere HA/DRS cluster managed by vCenter Server vcenter01.cloudlab.local.

### 1.2.1 AOSUCSBLADES

The following table details the configuration for cluster AOSUCSBLADES.

|  |  |
| --- | --- |
| Name | AOSUCSBLADES |
| Id | ClusterComputeResource-domain-c1628 |
| Datacenter | CloudLab |
| Number of Hosts | 3 |
| Number of VMs | 27 |
| HA Enabled | True |
| DRS Enabled | True |
| vSAN Enabled | False |
| EVC Mode | intel-haswell |
| VM Swap File Policy | WithVM |

#### 1.2.1.1 HA Configuration

The following table details the vSphere HA configuration for cluster AOSUCSBLADES.

|  |  |
| --- | --- |
| HA Enabled | True |
| HA Admission Control Enabled | False |
| HA Failover Level | 1 |
| HA Restart Priority | Medium |
| HA Isolation Response | DoNothing |
| Heartbeat Selection Policy | allFeasibleDsWithUserPreference |
| Heartbeat Datastores | XtremIO\_UCSBlades\_VMFS1, XtremIO-Lab\_Mgmt, XtremIO\_UCSBlades\_VMFS2 |

#### 1.2.1.2 DRS Configuration

The following table details the vSphere DRS configuration for cluster AOSUCSBLADES.

|  |  |
| --- | --- |
| DRS Enabled | True |
| DRS Automation Level | PartiallyAutomated |
| DRS Migration Threshold | 3 |

|  |  |
| --- | --- |
| VM Distribution |  |
| Memory Metric for Load Balancing |  |
| CPU Over-Commitment |  |

##### 1.2.1.2.1 DRS Cluster Groups

| Name | Group Type | Members |
| --- | --- | --- |
| Zerto\_vm-12019 | VMGroup | Z-VRA-172.31.100.20 |
| Zerto\_vm-12021 | VMGroup |  |
| Zerto\_vm-12022 | VMGroup | Z-VRA-172.31.100.21 |
| Zerto\_host-9863\_FOR\_vm-12019 | VMHostGroup | 172.31.100.20 |
| Zerto\_host-9870\_FOR\_vm-12022 | VMHostGroup | 172.31.100.21 |
| Zerto\_host-9874\_FOR\_vm-12021 | VMHostGroup |  |

##### 1.2.1.2.2 DRS VM/Host Rules

| Name | Type | Enabled | VM Group | VMHost Group |
| --- | --- | --- | --- | --- |
| Zerto\_vm-12019\_TO\_Zerto\_host-9863\_FOR\_vm-12019 | MustRunOn | True | Zerto\_vm-12019 | Zerto\_host-9863\_FOR\_vm-12019 |
| Zerto\_vm-12021\_TO\_Zerto\_host-9874\_FOR\_vm-12021 | MustRunOn | True | Zerto\_vm-12021 | Zerto\_host-9874\_FOR\_vm-12021 |
| Zerto\_vm-12022\_TO\_Zerto\_host-9870\_FOR\_vm-12022 | MustRunOn | True | Zerto\_vm-12022 | Zerto\_host-9870\_FOR\_vm-12022 |

#### 1.2.1.3 Permissions

The following table details the permissions assigned to cluster AOSUCSBLADES.

| User/Group | Is Group? | Role | Defined In | Propagate |
| --- | --- | --- | --- | --- |
| CLOUDLAB\jstrong | False | Resource Pool - DC Assign | AOSUCSBLADES | True |
| VSPHERE.LOCAL\cohesity | False | cohesity | AOSUCSBLADES | True |
| VSPHERE.LOCAL\Administrator | False | Admin | CloudLab | True |
| VSPHERE.LOCAL\vxrailmgmt | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\vsphere-webclient-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\jeffst | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\aosadmin | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-extension-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\vCenterAdmin | True | Admin | Datacenters | True |
| CLOUDLAB\vmadmin | True | Admin | Datacenters | True |
| CLOUDLAB\IDPAUSERS | True | VirtualMachinePowerUser | Datacenters | True |
| VSPHERE.LOCAL\Administrators | True | Admin | Datacenters | True |

### 1.2.2 DCA\_Prod

The following table details the configuration for cluster DCA\_Prod.

|  |  |
| --- | --- |
| Name | DCA\_Prod |
| Id | ClusterComputeResource-domain-c7 |
| Datacenter | CloudLab |
| Number of Hosts | 3 |
| Number of VMs | 31 |
| HA Enabled | True |
| DRS Enabled | True |
| vSAN Enabled | False |
| EVC Mode | intel-ivybridge |
| VM Swap File Policy | WithVM |

#### 1.2.2.1 HA Configuration

The following table details the vSphere HA configuration for cluster DCA\_Prod.

|  |  |
| --- | --- |
| HA Enabled | True |
| HA Admission Control Enabled | False |
| HA Failover Level | 1 |
| HA Restart Priority | Medium |
| HA Isolation Response | DoNothing |
| Heartbeat Selection Policy | allFeasibleDs |
| Heartbeat Datastores |  |

#### 1.2.2.2 DRS Configuration

The following table details the vSphere DRS configuration for cluster DCA\_Prod.

|  |  |
| --- | --- |
| DRS Enabled | True |
| DRS Automation Level | FullyAutomated |
| DRS Migration Threshold | 3 |

|  |  |
| --- | --- |
| VM Distribution |  |
| Memory Metric for Load Balancing |  |
| CPU Over-Commitment |  |

##### 1.2.2.2.1 DRS Rules

| Name | Type | Enabled | Mandatory | Virtual Machines |
| --- | --- | --- | --- | --- |
| pub-cloud-vpn-vm | VMAntiAffinity | True | False | aos-pub-cloud-vpn-02, aos-pub-cloud-vpn-01 |
| cisco-umbrella-vms | VMAntiAffinity | True | False | UMBRELLA-02 |

#### 1.2.2.3 Update Manager Baselines

| Name | Description | Type | Target Type | Last Update Time | # of Patches |
| --- | --- | --- | --- | --- | --- |
| Critical Host Patches (Predefined) | A predefined baseline for all critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 99 |
| Non-Critical Host Patches (Predefined) | A predefined baseline for all non-critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 243 |

#### 1.2.2.4 Permissions

The following table details the permissions assigned to cluster DCA\_Prod.

| User/Group | Is Group? | Role | Defined In | Propagate |
| --- | --- | --- | --- | --- |
| VSPHERE.LOCAL\Administrator | False | Admin | CloudLab | True |
| CLOUDLAB\jstrong | False | Virtual machine user (DC Level) | CloudLab | True |
| VSPHERE.LOCAL\vxrailmgmt | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\vsphere-webclient-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\jeffst | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\aosadmin | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-extension-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\vCenterAdmin | True | Admin | Datacenters | True |
| CLOUDLAB\vmadmin | True | Admin | Datacenters | True |
| CLOUDLAB\IDPAUSERS | True | VirtualMachinePowerUser | Datacenters | True |
| VSPHERE.LOCAL\Administrators | True | Admin | Datacenters | True |

### 1.2.3 HXCluster

The following table details the configuration for cluster HXCluster.

|  |  |
| --- | --- |
| Name | HXCluster |
| Id | ClusterComputeResource-domain-c15869 |
| Datacenter | CloudLab |
| Number of Hosts | 3 |
| Number of VMs | 3 |
| HA Enabled | True |
| DRS Enabled | True |
| vSAN Enabled | False |
| EVC Mode |  |
| VM Swap File Policy | WithVM |

#### 1.2.3.1 HA Configuration

The following table details the vSphere HA configuration for cluster HXCluster.

|  |  |
| --- | --- |
| HA Enabled | True |
| HA Admission Control Enabled | True |
| HA Failover Level | 1 |
| HA Restart Priority | Medium |
| HA Isolation Response | DoNothing |
| Heartbeat Selection Policy | allFeasibleDs |
| Heartbeat Datastores |  |

#### 1.2.3.2 DRS Configuration

The following table details the vSphere DRS configuration for cluster HXCluster.

|  |  |
| --- | --- |
| DRS Enabled | True |
| DRS Automation Level | FullyAutomated |
| DRS Migration Threshold | 3 |

|  |  |
| --- | --- |
| VM Distribution |  |
| Memory Metric for Load Balancing |  |
| CPU Over-Commitment |  |

#### 1.2.3.3 Permissions

The following table details the permissions assigned to cluster HXCluster.

| User/Group | Is Group? | Role | Defined In | Propagate |
| --- | --- | --- | --- | --- |
| VSPHERE.LOCAL\Administrator | False | Admin | CloudLab | True |
| CLOUDLAB\jstrong | False | Virtual machine user (DC Level) | CloudLab | True |
| VSPHERE.LOCAL\vxrailmgmt | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\vsphere-webclient-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\jeffst | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\aosadmin | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-extension-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\vCenterAdmin | True | Admin | Datacenters | True |
| CLOUDLAB\vmadmin | True | Admin | Datacenters | True |
| CLOUDLAB\IDPAUSERS | True | VirtualMachinePowerUser | Datacenters | True |
| VSPHERE.LOCAL\Administrators | True | Admin | Datacenters | True |

### 1.2.4 IST-UCS C220 M3S

The following table details the configuration for cluster IST-UCS C220 M3S.

|  |  |
| --- | --- |
| Name | IST-UCS C220 M3S |
| Id | ClusterComputeResource-domain-c4842 |
| Datacenter | SE Sandbox - Do not use |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| HA Enabled | False |
| DRS Enabled | True |
| vSAN Enabled | False |
| EVC Mode | intel-ivybridge |
| VM Swap File Policy | WithVM |

#### 1.2.4.1 HA Configuration

The following table details the vSphere HA configuration for cluster IST-UCS C220 M3S.

|  |  |
| --- | --- |
| HA Enabled | False |
| HA Admission Control Enabled | False |
| HA Failover Level | 1 |
| HA Restart Priority | Medium |
| HA Isolation Response | DoNothing |
| Heartbeat Selection Policy | allFeasibleDs |
| Heartbeat Datastores |  |

#### 1.2.4.2 DRS Configuration

The following table details the vSphere DRS configuration for cluster IST-UCS C220 M3S.

|  |  |
| --- | --- |
| DRS Enabled | True |
| DRS Automation Level | FullyAutomated |
| DRS Migration Threshold | 3 |

|  |  |
| --- | --- |
| VM Distribution |  |
| Memory Metric for Load Balancing |  |
| CPU Over-Commitment |  |

#### 1.2.4.3 Permissions

The following table details the permissions assigned to cluster IST-UCS C220 M3S.

| User/Group | Is Group? | Role | Defined In | Propagate |
| --- | --- | --- | --- | --- |
| CLOUDLAB\IST-Lab | True | Admin | SE Sandbox - Do not use | True |
| VSPHERE.LOCAL\vxrailmgmt | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\vsphere-webclient-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\jeffst | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\Administrator | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\aosadmin | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-extension-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\vCenterAdmin | True | Admin | Datacenters | True |
| CLOUDLAB\vmadmin | True | Admin | Datacenters | True |
| CLOUDLAB\IDPAUSERS | True | VirtualMachinePowerUser | Datacenters | True |
| VSPHERE.LOCAL\Administrators | True | Admin | Datacenters | True |

### 1.2.5 VxRail

The following table details the configuration for cluster VxRail.

|  |  |
| --- | --- |
| Name | VxRail |
| Id | ClusterComputeResource-domain-c16469 |
| Datacenter | CloudLab |
| Number of Hosts | 4 |
| Number of VMs | 2 |
| HA Enabled | True |
| DRS Enabled | True |
| vSAN Enabled | True |
| EVC Mode | intel-haswell |
| VM Swap File Policy | WithVM |

#### 1.2.5.1 HA Configuration

The following table details the vSphere HA configuration for cluster VxRail.

|  |  |
| --- | --- |
| HA Enabled | True |
| HA Admission Control Enabled | True |
| HA Failover Level | 1 |
| HA Restart Priority | Medium |
| HA Isolation Response | PowerOff |
| Heartbeat Selection Policy | allFeasibleDsWithUserPreference |
| Heartbeat Datastores |  |

#### 1.2.5.2 DRS Configuration

The following table details the vSphere DRS configuration for cluster VxRail.

|  |  |
| --- | --- |
| DRS Enabled | True |
| DRS Automation Level | FullyAutomated |
| DRS Migration Threshold | 3 |

|  |  |
| --- | --- |
| VM Distribution |  |
| Memory Metric for Load Balancing |  |
| CPU Over-Commitment |  |

#### 1.2.5.3 Update Manager Baselines

| Name | Description | Type | Target Type | Last Update Time | # of Patches |
| --- | --- | --- | --- | --- | --- |
| VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | Patch | Host | 3/9/2019 8:57:17 AM | 2 |

#### 1.2.5.4 Permissions

The following table details the permissions assigned to cluster VxRail.

| User/Group | Is Group? | Role | Defined In | Propagate |
| --- | --- | --- | --- | --- |
| VSPHERE.LOCAL\Administrator | False | Admin | CloudLab | True |
| CLOUDLAB\jstrong | False | Virtual machine user (DC Level) | CloudLab | True |
| VSPHERE.LOCAL\vxrailmgmt | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\vsphere-webclient-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\jeffst | False | Admin | Datacenters | True |
| VSPHERE.LOCAL\aosadmin | False | VMware HCIA Management | Datacenters | True |
| VSPHERE.LOCAL\vpxd-extension-01a68e45-c840-4c8f-91fe-e823d3aaccab | False | Admin | Datacenters | True |
| CLOUDLAB\vCenterAdmin | True | Admin | Datacenters | True |
| CLOUDLAB\vmadmin | True | Admin | Datacenters | True |
| CLOUDLAB\IDPAUSERS | True | VirtualMachinePowerUser | Datacenters | True |
| VSPHERE.LOCAL\Administrators | True | Admin | Datacenters | True |

## 1.3 Resource Pools

The following section provides information on the configuration of resource pools managed by vCenter Server vcenter01.cloudlab.local.

### 1.3.1 Resources

|  |  |
| --- | --- |
| Name | Resources |
| Id | ResourcePool-resgroup-15552 |
| Parent | 172.31.100.23 |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 40078 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | 40078 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 373.55 GB |
| Memory Expandable Reservation | True |
| Memory Limit | 373.55 GB |
| Number of VMs | 0 |

### 1.3.2 Resources

|  |  |
| --- | --- |
| Name | Resources |
| Id | ResourcePool-resgroup-1629 |
| Parent | AOSUCSBLADES |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 173046 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | 173046 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 735.79 GB |
| Memory Expandable Reservation | True |
| Memory Limit | 735.79 GB |
| Number of VMs | 27 |

### 1.3.3 Resources

|  |  |
| --- | --- |
| Name | Resources |
| Id | ResourcePool-resgroup-8 |
| Parent | DCA\_Prod |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 70228 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | 70228 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 361.85 GB |
| Memory Expandable Reservation | True |
| Memory Limit | 361.85 GB |
| Number of VMs | 31 |

### 1.3.4 Resources

|  |  |
| --- | --- |
| Name | Resources |
| Id | ResourcePool-resgroup-15870 |
| Parent | HXCluster |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 193380 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | 193380 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 1491.83 GB |
| Memory Expandable Reservation | True |
| Memory Limit | 1491.83 GB |
| Number of VMs | 3 |

### 1.3.5 Resources

|  |  |
| --- | --- |
| Name | Resources |
| Id | ResourcePool-resgroup-4843 |
| Parent | IST-UCS C220 M3S |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 0 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | 0 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 0 GB |
| Memory Expandable Reservation | True |
| Memory Limit | 0 GB |
| Number of VMs | 0 |

### 1.3.6 DNA

|  |  |
| --- | --- |
| Name | DNA |
| Id | ResourcePool-resgroup-10028 |
| Parent | Resources |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 14400 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | Unlimited |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 125 GB |
| Memory Expandable Reservation | True |
| Memory Limit | Unlimited |
| Number of VMs | 2 |

### 1.3.7 Resources

|  |  |
| --- | --- |
| Name | Resources |
| Id | ResourcePool-resgroup-16470 |
| Parent | VxRail |
| CPU Shares Level | Normal |
| Number of CPU Shares | 4000 |
| CPU Reservation | 91492 MHz |
| CPU Expandable Reservation | True |
| CPU Limit | 91492 MHz |
| Memory Shares Level | Normal |
| Number of Memory Shares | 163840 |
| Memory Reservation | 685.53 GB |
| Memory Expandable Reservation | True |
| Memory Limit | 685.53 GB |
| Number of VMs | 2 |

## 1.4 Hosts

The following section provides information on the configuration of VMware ESXi hosts managed by vCenter Server vcenter01.cloudlab.local.

### 1.4.1 172.31.100.111

#### 1.4.1.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.111.

|  |  |
| --- | --- |
| Name | 172.31.100.111 |
| Id | HostSystem-host-11 |
| Parent | DCA\_Prod |
| Manufacturer | Cisco Systems Inc |
| Model | UCSC-C220-M3S |
| Serial Number | FCH1809V08A |
| Asset Tag | Unknown |
| Processor Type | Intel(R) Xeon(R) CPU E5-2620 v2 @ 2.10GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 12 |
| Number of CPU Threads | 24 |
| CPU Speed | 2.1 GHz |
| Memory | 128 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 6 |
| Number of VMs | 17 |
| Maximum EVC Mode | intel-ivybridge |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5697a0ea-b1e9ade4-e811-7426ac5ac4c4 |
| Bios Version | C220M3.3.0.3a.0.0315171956 |
| Bios Release Date | 3/15/2017 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 10302608 |
| Uptime Days | 66.5 |

##### 1.4.1.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.111 |
| Device | naa.60030130f09000001af4ec9f0f46760c |
| Boot Type | local |
| Vendor | LSI |
| Model | UCSC-RAID2008M8i |
| Size MB | 2858160 |
| Is SAS | false |
| Is SSD | false |
| Is USB | false |

##### 1.4.1.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:81:00.0 | RAID bus controller | MegaRAID SAS SKINNY Controller | Avago (LSI / Symbios Logic) |  |
| vmhba1 | 0000:82:00.0 | Fibre Channel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | QLogic Corp | Chassis slot 2; function 0 |
| vmhba2 | 0000:82:00.1 | Fibre Channel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | QLogic Corp | Chassis slot 2; function 1 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation |  |
| vmnic1 | 0000:01:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation |  |
| vmnic2 | 0000:08:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 1; relative bdf 04:00.0 |
| vmnic3 | 0000:09:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 1; relative bdf 05:00.0 |

##### 1.4.1.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | MegaRAID SAS SKINNY Controller | megaraid\_sas | Version 6.612.07.00, Build: 2494585, Interface: 9.2 Built on: Oct 13 2016 | N/A | scsi-megaraid-sas | 6.612.07.00-1OEM.600.0.0.2494585 |
| vmhba1 | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 | N/A | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 |
| vmhba2 | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 | N/A | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 |
| vmnic0 | I350 Gigabit Network Connection | igbn | 1.4.7-1OEM.670.0.0.8169922 | 1.63.0:0x80000e79:0.385.8 | igbn | 1.4.7-1OEM.670.0.0.8169922 |
| vmnic1 | I350 Gigabit Network Connection | igbn | 1.4.7-1OEM.670.0.0.8169922 | 1.63.0:0x80000e79:0.385.8 | igbn | 1.4.7-1OEM.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.25.0-1OEM.670.0.0.8169922 | 4.1(3a) | nenic | 1.0.25.0-1OEM.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.25.0-1OEM.670.0.0.8169922 | 4.1(3a) | nenic | 1.0.25.0-1OEM.670.0.0.8169922 |

#### 1.4.1.2 System

The following section provides information on the host system configuration of 172.31.100.111.

##### 1.4.1.2.1 Licensing

| License Type | License Key |
| --- | --- |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND |

##### 1.4.1.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) VMware-ESXi-6.7-10302608-RollupISO-standard | Cisco | 1/14/2016 7:17:58 AM |

##### 1.4.1.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 24.56.178.140 |

##### 1.4.1.2.4 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| udp://172.31.192.231 | 514 |

##### 1.4.1.2.5 Update Manager Baselines

| Name | Description | Type | Target Type | Last Update Time | # of Patches |
| --- | --- | --- | --- | --- | --- |
| Critical Host Patches (Predefined) | A predefined baseline for all critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 99 |
| ESXi-NonHCI |  | Patch | Host | 2/15/2019 8:29:38 AM | 119 |
| Non-Critical Host Patches (Predefined) | A predefined baseline for all non-critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 243 |

##### 1.4.1.2.6 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| vSphere 6.7 Upgrade | Compliant |
| vSphere 6.7 RollUp | Compliant |
| Critical Host Patches (Predefined) | NotCompliant |
| Non-Critical Host Patches (Predefined) | NotCompliant |
| ESXi-NonHCI | Unknown |

#### 1.4.1.3 Storage

The following section provides information on the host storage configuration of 172.31.100.111.

##### 1.4.1.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DCA-UCS01\_LOCAL | VMFS | 5.61 | 1 | 2783.75 | 32.03 | 2751.72 | 1.15 |
| NimbleAF-DS1 | VMFS | 5.61 | 6 | 2047.75 | 1195.06 | 852.69 | 58.36 |
| NimbleAF-DS2 | VMFS | 5.61 | 4 | 2047.75 | 142.75 | 1905.00 | 6.97 |
| NimbleAF-DS3 | VMFS | 5.61 | 3 | 2048 | 1748.29 | 299.71 | 85.37 |
| NimbleCS500-DS1 | VMFS | 5.61 | 1 | 2047.75 | 801.57 | 1246.18 | 39.14 |
| XtremIO\_LUN1 | VMFS | 5.61 | 26 | 3071.75 | 1456.09 | 1615.66 | 47.40 |

##### 1.4.1.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.111.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba1 | FibreChannel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 20:00:00:1B:32:11:0A:61 | 21:00:00:1B:32:11:0A:61 | 4 | online |
| vmhba2 | FibreChannel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 20:01:00:1B:32:31:0A:61 | 21:01:00:1B:32:31:0A:61 | 4 | online |

The following table details the iSCSI storage adapters for 172.31.100.111.

|  |  |
| --- | --- |
| Device | vmhba64 |
| iSCSI Name | iqn.1998-01.com.vmware:selab-esx-01-3657b744 |
| Model | iSCSI Software Adapter |
| Driver | iscsi\_vmk |
| Speed |  |
| Status | online |

#### 1.4.1.4 Network

The following section provides information on the host network configuration of 172.31.100.111.

|  |  |
| --- | --- |
| VMHost | 172.31.100.111 |
| Virtual Switches | vSwitch0 |
| VMkernel Adapters | vmk1, vmk0, vmk2, vmk3, vmk4 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.10 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | DCA-PRD-ESX01 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.1.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.111.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 74:26:ac:5a:c4:c4 | 1000 | True | True |
| vmnic1 | 74:26:ac:5a:c4:c5 | 1000 | True | True |
| vmnic2 | 74:a2:e6:a3:74:3f | 10000 | True | False |
| vmnic3 | 74:a2:e6:a3:74:40 | 10000 | True | False |

##### 1.4.1.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk8-Sw1.cloudlab.local | cisco WS-C2960X-48TD-L | GigabitEthernet1/0/35 |
| vmnic1 | True | ToR-RwB-Rk8-Sw1.cloudlab.local | cisco WS-C2960X-48TD-L | GigabitEthernet1/0/36 |
| vmnic2 | True | SEDALAB-N5K-1(SSI15350304) | N5K-C5548UP | Ethernet1/11 |
| vmnic3 | True | SEDALAB-N5K-2(FOX1510G47M) | N5K-C5596UP | Ethernet1/11 |

##### 1.4.1.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.111

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | iSCSI\_V40 |
| MTU | 1500 |
| MAC Address | 00:50:56:67:b1:26 |
| IP Address | 172.31.40.111 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | ESXi\_MGMT |
| MTU | 1500 |
| MAC Address | 74:a2:e6:a3:74:3f |
| IP Address | 172.31.100.111 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | iSCSI\_V50 |
| MTU | 1500 |
| MAC Address | 00:50:56:67:68:c9 |
| IP Address | 172.31.50.111 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | vMotion\_V20 |
| MTU | 1500 |
| MAC Address | 00:50:56:62:b5:62 |
| IP Address | 192.168.245.111 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk4 |
| Network Label | vMotion |
| MTU | 1500 |
| MAC Address | 00:50:56:66:00:f6 |
| IP Address | 192.168.244.111 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

##### 1.4.1.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for 172.31.100.111.

|  |  |
| --- | --- |
| Name | vSwitch0 |
| MTU | 1500 |
| Number of Ports | 5376 |
| Number of Ports Available | 5350 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0, vmnic1 |
| Standby NICs |  |
| Unused NICs |  |

##### 1.4.1.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vSwitch0 | True | True | False |

##### 1.4.1.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |

##### 1.4.1.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | 0 | 0 |
| vSwitch0 | vCenter | 965 | 1 |
| vSwitch0 | vMotion | 20 | 0 |

##### 1.4.1.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | True | True | False |
| vSwitch0 | vCenter | True | True | False |
| vSwitch0 | vMotion | True | True | False |

##### 1.4.1.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | vCenter | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | vMotion | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |

#### 1.4.1.5 Security

The following section provides information on the host security configuration of 172.31.100.111.

##### 1.4.1.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.1.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | True | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | off | False | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.2 172.31.100.112

#### 1.4.2.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.112.

|  |  |
| --- | --- |
| Name | 172.31.100.112 |
| Id | HostSystem-host-37 |
| Parent | DCA\_Prod |
| Manufacturer | Cisco Systems Inc |
| Model | UCSC-C220-M3S |
| Serial Number | FCH1809V00E |
| Asset Tag | Unknown |
| Processor Type | Intel(R) Xeon(R) CPU E5-2620 v2 @ 2.10GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 12 |
| Number of CPU Threads | 24 |
| CPU Speed | 2.1 GHz |
| Memory | 128 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 6 |
| Number of VMs | 7 |
| Maximum EVC Mode | intel-ivybridge |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/54c2b62b-4f544e9c-a750-7426ac5ad812 |
| Bios Version | C220M3.3.0.3a.0.0315171956 |
| Bios Release Date | 3/15/2017 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 10302608 |
| Uptime Days | 66.4 |

##### 1.4.2.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.112 |
| Device | naa.60030130f09000001b78a79408660d2b |
| Boot Type | local |
| Vendor | LSI |
| Model | UCSC-RAID2008M8i |
| Size MB | 2858160 |
| Is SAS | false |
| Is SSD | false |
| Is USB | false |

##### 1.4.2.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba2 | 0000:81:00.0 | RAID bus controller | MegaRAID SAS SKINNY Controller | Avago (LSI / Symbios Logic) |  |
| vmhba3 | 0000:82:00.0 | Fibre Channel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | QLogic Corp | Chassis slot 2; function 0 |
| vmhba4 | 0000:82:00.1 | Fibre Channel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | QLogic Corp | Chassis slot 2; function 1 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation |  |
| vmnic1 | 0000:01:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation |  |
| vmnic2 | 0000:08:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 1; relative bdf 04:00.0 |
| vmnic3 | 0000:09:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 1; relative bdf 05:00.0 |

##### 1.4.2.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba2 | MegaRAID SAS SKINNY Controller | megaraid\_sas | Version 6.612.07.00, Build: 2494585, Interface: 9.2 Built on: Oct 13 2016 | N/A | scsi-megaraid-sas | 6.612.07.00-1OEM.600.0.0.2494585 |
| vmhba3 | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 | N/A | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 |
| vmhba4 | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 | N/A | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 |
| vmnic0 | I350 Gigabit Network Connection | igbn | 1.4.7-1OEM.670.0.0.8169922 | 1.63.0:0x80000e79:0.385.8 | igbn | 1.4.7-1OEM.670.0.0.8169922 |
| vmnic1 | I350 Gigabit Network Connection | igbn | 1.4.7-1OEM.670.0.0.8169922 | 1.63.0:0x80000e79:0.385.8 | igbn | 1.4.7-1OEM.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.25.0-1OEM.670.0.0.8169922 | 4.1(3a) | nenic | 1.0.25.0-1OEM.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.25.0-1OEM.670.0.0.8169922 | 4.1(3a) | nenic | 1.0.25.0-1OEM.670.0.0.8169922 |

#### 1.4.2.2 System

The following section provides information on the host system configuration of 172.31.100.112.

##### 1.4.2.2.1 Licensing

| License Type | License Key |
| --- | --- |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND |

##### 1.4.2.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) VMware-ESXi-6.7-10302608-RollupISO-standard | VMware, Inc. | 1/23/2015 2:54:02 PM |

##### 1.4.2.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 24.56.178.140 |

##### 1.4.2.2.4 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| udp://172.31.192.231 | 514 |

##### 1.4.2.2.5 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| vSphere 6.7 RollUp | Compliant |
| Critical Host Patches (Predefined) | Unknown |
| Non-Critical Host Patches (Predefined) | NotCompliant |

#### 1.4.2.3 Storage

The following section provides information on the host storage configuration of 172.31.100.112.

##### 1.4.2.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DCA-UCS02\_LOCAL | VMFS | 5.58 | 0 | 2786.25 | 209.45 | 2576.80 | 7.52 |
| NimbleAF-DS1 | VMFS | 5.61 | 6 | 2047.75 | 1195.06 | 852.69 | 58.36 |
| NimbleAF-DS2 | VMFS | 5.61 | 4 | 2047.75 | 142.75 | 1905.00 | 6.97 |
| NimbleAF-DS3 | VMFS | 5.61 | 3 | 2048 | 1748.29 | 299.71 | 85.37 |
| NimbleCS500-DS1 | VMFS | 5.61 | 1 | 2047.75 | 801.57 | 1246.18 | 39.14 |
| XtremIO\_LUN1 | VMFS | 5.61 | 26 | 3071.75 | 1456.09 | 1615.66 | 47.40 |

##### 1.4.2.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.112.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba3 | FibreChannel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 20:00:00:1B:32:11:16:63 | 21:00:00:1B:32:11:16:63 | 4 | online |
| vmhba4 | FibreChannel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 20:01:00:1B:32:31:16:63 | 21:01:00:1B:32:31:16:63 | 4 | online |

The following table details the iSCSI storage adapters for 172.31.100.112.

|  |  |
| --- | --- |
| Device | vmhba64 |
| iSCSI Name | iqn.1998-01.com.vmware:selab-esx-02-2215fd61 |
| Model | iSCSI Software Adapter |
| Driver | iscsi\_vmk |
| Speed |  |
| Status | online |

#### 1.4.2.4 Network

The following section provides information on the host network configuration of 172.31.100.112.

|  |  |
| --- | --- |
| VMHost | 172.31.100.112 |
| Virtual Switches | vSwitch0 |
| VMkernel Adapters | vmk0, vmk2, vmk3, vmk1 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | DCA-PRD-ESX02 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.2.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.112.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 74:26:ac:5a:d8:12 | 1000 | True | True |
| vmnic1 | 74:26:ac:5a:d8:13 | 1000 | True | True |
| vmnic2 | f4:4e:05:48:32:a5 | 10000 | True | False |
| vmnic3 | f4:4e:05:48:32:a6 | 10000 | True | False |

##### 1.4.2.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk8-Sw1.cloudlab.local | cisco WS-C2960X-48TD-L | GigabitEthernet1/0/47 |
| vmnic1 | True | ToR-RwB-Rk8-Sw1.cloudlab.local | cisco WS-C2960X-48TD-L | GigabitEthernet1/0/48 |
| vmnic2 | True | SEDALAB-N5K-2(FOX1510G47M) | N5K-C5596UP | Ethernet1/12 |
| vmnic3 | True | SEDALAB-N5K-1(SSI15350304) | N5K-C5548UP | Ethernet1/12 |

##### 1.4.2.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.112

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | ESXi\_MGMT |
| MTU | 1500 |
| MAC Address | 74:26:ac:5a:d8:12 |
| IP Address | 172.31.100.112 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | vMotion |
| MTU | 1500 |
| MAC Address | 00:50:56:65:70:3f |
| IP Address | 192.168.244.112 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | iSCSI\_V40 |
| MTU | 1500 |
| MAC Address | 00:50:56:63:67:7b |
| IP Address | 172.31.40.112 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | iSCSI\_V50 |
| MTU | 1500 |
| MAC Address | 00:50:56:63:33:c0 |
| IP Address | 172.31.50.112 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

##### 1.4.2.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for 172.31.100.112.

|  |  |
| --- | --- |
| Name | vSwitch0 |
| MTU | 1500 |
| Number of Ports | 5376 |
| Number of Ports Available | 5353 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0, vmnic1 |
| Standby NICs |  |
| Unused NICs |  |

##### 1.4.2.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vSwitch0 | True | True | False |

##### 1.4.2.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |

##### 1.4.2.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | 0 | 0 |
| vSwitch0 | vCenter | 965 | 0 |
| vSwitch0 | vMotion | 20 | 0 |

##### 1.4.2.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | True | True | False |
| vSwitch0 | vCenter | True | True | False |
| vSwitch0 | vMotion | True | True | False |

##### 1.4.2.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | vCenter | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | vMotion | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |

#### 1.4.2.5 Security

The following section provides information on the host security configuration of 172.31.100.112.

##### 1.4.2.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.2.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | True | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | off | False | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | off | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.3 172.31.100.113

#### 1.4.3.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.113.

|  |  |
| --- | --- |
| Name | 172.31.100.113 |
| Id | HostSystem-host-787 |
| Parent | DCA\_Prod |
| Manufacturer | Cisco Systems Inc |
| Model | UCSC-C220-M3S |
| Serial Number | FCH1716V0KP |
| Asset Tag | Unknown |
| Processor Type | Intel(R) Xeon(R) CPU E5-2640 v2 @ 2.00GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 16 |
| Number of CPU Threads | 32 |
| CPU Speed | 2 GHz |
| Memory | 128 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 6 |
| Number of VMs | 7 |
| Maximum EVC Mode | intel-ivybridge |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/587f0c75-e2b0cda4-b9c6-bc1665b3e3e0 |
| Bios Version | C220M3.3.0.3a.0.0315171956 |
| Bios Release Date | 3/15/2017 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 10302608 |
| Uptime Days | 66.4 |

##### 1.4.3.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.113 |
| Device | naa.60030130f0900000c79313b50abc2027 |
| Boot Type | local |
| Vendor | LSI |
| Model | UCSC-RAID2008M8i |
| Size MB | 285148 |
| Is SAS | false |
| Is SSD | false |
| Is USB | false |

##### 1.4.3.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:81:00.0 | RAID bus controller | MegaRAID SAS SKINNY Controller | Avago (LSI / Symbios Logic) |  |
| vmhba1 | 0000:82:00.0 | Fibre Channel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | QLogic Corp | Chassis slot 2; function 0 |
| vmhba2 | 0000:82:00.1 | Fibre Channel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | QLogic Corp | Chassis slot 2; function 1 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | LOM Port 1 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | I350 Gigabit Network Connection | Intel Corporation | LOM Port 2 |
| vmnic2 | 0000:08:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 1; relative bdf 04:00.0 |
| vmnic3 | 0000:09:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 1; relative bdf 05:00.0 |

##### 1.4.3.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | MegaRAID SAS SKINNY Controller | megaraid\_sas | Version 6.612.07.00, Build: 2494585, Interface: 9.2 Built on: Oct 13 2016 | N/A | scsi-megaraid-sas | 6.612.07.00-1OEM.600.0.0.2494585 |
| vmhba1 | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 | N/A | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 |
| vmhba2 | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 | N/A | qlnativefc | 3.1.9.0-1OEM.670.0.0.8169922 |
| vmnic0 | I350 Gigabit Network Connection | igbn | 1.4.7-1OEM.670.0.0.8169922 | 1.61.0:0x800009c8:0.280.132 | igbn | 1.4.7-1OEM.670.0.0.8169922 |
| vmnic1 | I350 Gigabit Network Connection | igbn | 1.4.7-1OEM.670.0.0.8169922 | 1.61.0:0x800009c8:0.280.132 | igbn | 1.4.7-1OEM.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.25.0-1OEM.670.0.0.8169922 | 4.1(3a) | nenic | 1.0.25.0-1OEM.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.25.0-1OEM.670.0.0.8169922 | 4.1(3a) | nenic | 1.0.25.0-1OEM.670.0.0.8169922 |

#### 1.4.3.2 System

The following section provides information on the host system configuration of 172.31.100.113.

##### 1.4.3.2.1 Licensing

| License Type | License Key |
| --- | --- |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND |

##### 1.4.3.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) VMware-ESXi-6.7-10302608-RollupISO-standard | Cisco | 1/18/2017 12:30:24 AM |

##### 1.4.3.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | False |  |

##### 1.4.3.2.4 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| udp://172.31.192.231 | 514 |

##### 1.4.3.2.5 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| vSphere 6.7 RollUp | Compliant |
| Critical Host Patches (Predefined) | Unknown |
| Non-Critical Host Patches (Predefined) | Unknown |

#### 1.4.3.3 Storage

The following section provides information on the host storage configuration of 172.31.100.113.

##### 1.4.3.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DCA-UCS03\_LOCAL | VMFS | 5.61 | 0 | 271 | 2.60 | 268.40 | 0.96 |
| NimbleAF-DS1 | VMFS | 5.61 | 6 | 2047.75 | 1195.06 | 852.69 | 58.36 |
| NimbleAF-DS2 | VMFS | 5.61 | 4 | 2047.75 | 142.75 | 1905.00 | 6.97 |
| NimbleAF-DS3 | VMFS | 5.61 | 3 | 2048 | 1748.29 | 299.71 | 85.37 |
| NimbleCS500-DS1 | VMFS | 5.61 | 1 | 2047.75 | 801.57 | 1246.18 | 39.14 |
| XtremIO\_LUN1 | VMFS | 5.61 | 26 | 3071.75 | 1456.09 | 1615.66 | 47.40 |

##### 1.4.3.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.113.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba1 | FibreChannel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 20:00:00:1B:32:11:24:65 | 21:00:00:1B:32:11:24:65 | 4 | online |
| vmhba2 | FibreChannel | ISP2432-based 4Gb Fibre Channel to PCI Express HBA | qlnativefc | 20:01:00:1B:32:31:24:65 | 21:01:00:1B:32:31:24:65 | 4 | online |

The following table details the iSCSI storage adapters for 172.31.100.113.

|  |  |
| --- | --- |
| Device | vmhba64 |
| iSCSI Name | iqn.1998-01.com.vmware:dca-mgmt-03-57bf6861 |
| Model | iSCSI Software Adapter |
| Driver | iscsi\_vmk |
| Speed |  |
| Status | online |

#### 1.4.3.4 Network

The following section provides information on the host network configuration of 172.31.100.113.

|  |  |
| --- | --- |
| VMHost | 172.31.100.113 |
| Virtual Switches | vSwitch0 |
| VMkernel Adapters | vmk0, vmk1, vmk5, vmk4 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.10 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | DCA-MGMT-03 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.3.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.113.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | bc:16:65:b3:e3:e0 | 1000 | True | True |
| vmnic1 | bc:16:65:b3:e3:e1 | 1000 | True | True |
| vmnic2 | 44:03:a7:0b:8f:98 | 10000 | True | False |
| vmnic3 | 44:03:a7:0b:8f:99 | 10000 | True | False |

##### 1.4.3.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk8-Sw1.cloudlab.local | cisco WS-C2960X-48TD-L | GigabitEthernet1/0/46 |
| vmnic1 | True | ToR-RwB-Rk8-Sw1.cloudlab.local | cisco WS-C2960X-48TD-L | GigabitEthernet1/0/45 |
| vmnic2 | True | SEDALAB-N5K-1(SSI15350304) | N5K-C5548UP | Ethernet1/13 |
| vmnic3 | True | SEDALAB-N5K-2(FOX1510G47M) | N5K-C5596UP | Ethernet1/13 |

##### 1.4.3.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.113

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | ESXi\_MGMT |
| MTU | 1500 |
| MAC Address | bc:16:65:b3:e3:e0 |
| IP Address | 172.31.100.113 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | iSCSI\_V50 |
| MTU | 1500 |
| MAC Address | 00:50:56:6c:92:72 |
| IP Address | 172.31.50.113 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk4 |
| Network Label | vMotion |
| MTU | 1500 |
| MAC Address | 00:50:56:64:d6:73 |
| IP Address | 192.168.244.113 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk5 |
| Network Label | iSCSI\_V40 |
| MTU | 1500 |
| MAC Address | 00:50:56:6d:a1:cd |
| IP Address | 172.31.40.113 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

##### 1.4.3.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for 172.31.100.113.

|  |  |
| --- | --- |
| Name | vSwitch0 |
| MTU | 1500 |
| Number of Ports | 6656 |
| Number of Ports Available | 6634 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0, vmnic1 |
| Standby NICs |  |
| Unused NICs |  |

##### 1.4.3.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vSwitch0 | True | True | False |

##### 1.4.3.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |

##### 1.4.3.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | 0 | 0 |
| vSwitch0 | vCenter | 965 | 0 |
| vSwitch0 | vMotion | 20 | 0 |

##### 1.4.3.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | True | True | False |
| vSwitch0 | vCenter | True | True | False |
| vSwitch0 | vMotion | True | True | False |

##### 1.4.3.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | ESXi\_MGMT | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | vCenter | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | vMotion | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |

#### 1.4.3.5 Security

The following section provides information on the host security configuration of 172.31.100.113.

##### 1.4.3.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.3.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | off | False | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | True | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | off | False | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.4 172.31.100.20

#### 1.4.4.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.20.

|  |  |
| --- | --- |
| Name | 172.31.100.20 |
| Id | HostSystem-host-9863 |
| Parent | AOSUCSBLADES |
| Manufacturer | Cisco Systems Inc |
| Model | UCSB-B200-M4 |
| Serial Number | FLM2108VJK9 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 28 |
| Number of CPU Threads | 56 |
| CPU Speed | 2.59 GHz |
| Memory | 256 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 8 |
| Number of VMs | 17 |
| Maximum EVC Mode | intel-broadwell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/58e7ae64-412e38c2-a8bf-0025b5c1a06f |
| Bios Version | B200M4.4.0.1d.0.1003181546 |
| Bios Release Date | 10/3/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 10302608 |
| Uptime Days | 49.8 |

##### 1.4.4.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.20 |
| Device | naa.514f0c5860600003 |
| Boot Type | remote |
| Vendor | XtremIO |
| Model | XtremApp |
| Size MB | 10240 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.4.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:01:00.0 | RAID bus controller | MegaRAID SAS Invader Controller | Avago (LSI) | LSI3008 SAS Controller |
| vmhba1 | 0000:08:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc | MLOM Slot; relative bdf 05:00.0 |
| vmhba2 | 0000:0f:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc | Chassis slot f; relative bdf 05:00.0 |
| vmnic0 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | MLOM Slot; relative bdf 03:00.0 |
| vmnic1 | 0000:0d:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot f; relative bdf 03:00.0 |
| vmnic2 | 0000:07:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | MLOM Slot; relative bdf 04:00.0 |
| vmnic3 | 0000:0e:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot f; relative bdf 04:00.0 |

##### 1.4.4.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | MegaRAID SAS Invader Controller | lsi\_mr3 | 7.702.13.00-5vmw.670.1.28.10302608 | N/A | lsi-mr3 | 7.702.13.00-5vmw.670.1.28.10302608 |
| vmhba1 | Cisco VIC FCoE HBA | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 | N/A | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 |
| vmhba2 | Cisco VIC FCoE HBA | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 | N/A | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |

#### 1.4.4.2 System

The following section provides information on the host system configuration of 172.31.100.20.

##### 1.4.4.2.1 Licensing

| License Type | License Key |
| --- | --- |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND |

##### 1.4.4.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20181002001-standard | VMware, Inc. | 4/7/2017 10:18:03 AM |

##### 1.4.4.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 172.31.192.25 |

##### 1.4.4.2.4 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| udp://172.31.192.231 | 514 |

##### 1.4.4.2.5 Update Manager Baselines

| Name | Description | Type | Target Type | Last Update Time | # of Patches |
| --- | --- | --- | --- | --- | --- |
| Critical Host Patches (Predefined) | A predefined baseline for all critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 99 |
| ESXi-NonHCI |  | Patch | Host | 2/15/2019 8:29:38 AM | 119 |
| Non-Critical Host Patches (Predefined) | A predefined baseline for all non-critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 243 |

##### 1.4.4.2.6 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| vSphere 6.7 Upgrade | Compliant |
| Critical Host Patches (Predefined) | Unknown |
| Non-Critical Host Patches (Predefined) | Unknown |
| ESXi-NonHCI | Compliant |

#### 1.4.4.3 Storage

The following section provides information on the host storage configuration of 172.31.100.20.

##### 1.4.4.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| datastore1 | VMFS | 5.61 | 0 | 2.5 | 0.58 | 1.92 | 23.36 |
| PURE-DS1-LUN20 | VMFS | 6.82 | 0 | 1023.75 | 1.42 | 1022.33 | 0.14 |
| XtremIO\_LUN1 | VMFS | 5.61 | 26 | 3071.75 | 1456.09 | 1615.66 | 47.40 |
| XtremIO\_UCSBlades\_VMFS1 | VMFS | 5.61 | 8 | 2047.75 | 1080.71 | 967.04 | 52.78 |
| XtremIO\_UCSBlades\_VMFS2 | VMFS | 5.61 | 5 | 2047.75 | 334.67 | 1713.08 | 16.34 |
| XtremIO\_UCSBlades\_VMFS3 | VMFS | 5.61 | 3 | 2047.75 | 302.85 | 1744.90 | 14.79 |
| XtremIO\_UCSBlades\_VMFS4 | VMFS | 5.61 | 6 | 2047.75 | 1279.01 | 768.74 | 62.46 |
| XtremIO-Lab\_Mgmt | VMFS | 5.61 | 3 | 3071.75 | 804.63 | 2267.12 | 26.19 |

##### 1.4.4.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.20.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba1 | FibreChannel | Cisco VIC FCoE HBA | nfnic | 20:00:00:25:B5:C1:00:6F | 20:00:00:25:B5:C1:A0:6F | 8 | online |
| vmhba2 | FibreChannel | Cisco VIC FCoE HBA | nfnic | 20:00:00:25:B5:C1:00:6F | 20:00:00:25:B5:C1:B0:6F | 8 | online |

The following table details the iSCSI storage adapters for 172.31.100.20.

|  |  |
| --- | --- |
| Device | vmhba64 |
| iSCSI Name | iqn.1998-01.com.vmware:aosucsesxblade1-7077a7a5 |
| Model | iSCSI Software Adapter |
| Driver | iscsi\_vmk |
| Speed |  |
| Status | online |

#### 1.4.4.4 Network

The following section provides information on the host network configuration of 172.31.100.20.

|  |  |
| --- | --- |
| VMHost | 172.31.100.20 |
| Virtual Switches |  |
| VMkernel Adapters | vmk0, vmk1, vmk2, vmk3 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.10 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosucsesxblade1 |
| Domain Name |  |
| Search Domain | cloudlab.local |

##### 1.4.4.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.20.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:c1:a0:6f | 20000 | True | False |
| vmnic1 | 00:25:b5:c1:a0:3f | 20000 | True | False |
| vmnic2 | 00:25:b5:c1:b0:6f | 20000 | True | False |
| vmnic3 | 00:25:b5:c1:b0:3f | 20000 | True | False |

##### 1.4.4.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet865 |
| vmnic1 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet915 |
| vmnic2 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet866 |
| vmnic3 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet916 |

##### 1.4.4.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.20

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | ESX\_MGMT\_NATIVE |
| MTU | 1500 |
| MAC Address | 00:25:b5:c1:a0:6f |
| IP Address | 172.31.100.20 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | vMotion\_V20 |
| MTU | 1500 |
| MAC Address | 00:50:56:68:7c:99 |
| IP Address | 192.168.245.118 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | iSCSI v950 |
| MTU | 1500 |
| MAC Address | 00:50:56:6f:c4:e9 |
| IP Address | 192.168.100.20 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | iSCSI V951 |
| MTU | 1500 |
| MAC Address | 00:50:56:6d:bd:35 |
| IP Address | 192.168.101.20 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.4.5 Security

The following section provides information on the host security configuration of 172.31.100.20.

##### 1.4.4.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.4.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | True | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | off | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.5 172.31.100.21

#### 1.4.5.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.21.

|  |  |
| --- | --- |
| Name | 172.31.100.21 |
| Id | HostSystem-host-9870 |
| Parent | AOSUCSBLADES |
| Manufacturer | Cisco Systems Inc |
| Model | UCSB-B200-M4 |
| Serial Number | FLM2108VJKR |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 28 |
| Number of CPU Threads | 56 |
| CPU Speed | 2.59 GHz |
| Memory | 256 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 8 |
| Number of VMs | 5 |
| Maximum EVC Mode | intel-broadwell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/58eb7ea4-1d405c33-430c-0025b5c1a07f |
| Bios Version | B200M4.4.0.1d.0.1003181546 |
| Bios Release Date | 10/3/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 10302608 |
| Uptime Days | 49.7 |

##### 1.4.5.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.21 |
| Device | naa.514f0c5860600004 |
| Boot Type | remote |
| Vendor | XtremIO |
| Model | XtremApp |
| Size MB | 10240 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.5.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:01:00.0 | RAID bus controller | MegaRAID SAS Invader Controller | Avago (LSI) | LSI3008 SAS Controller |
| vmhba1 | 0000:08:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc | MLOM Slot; relative bdf 05:00.0 |
| vmhba2 | 0000:0f:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc | Chassis slot f; relative bdf 05:00.0 |
| vmnic0 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | MLOM Slot; relative bdf 03:00.0 |
| vmnic1 | 0000:0d:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot f; relative bdf 03:00.0 |
| vmnic2 | 0000:07:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | MLOM Slot; relative bdf 04:00.0 |
| vmnic3 | 0000:0e:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot f; relative bdf 04:00.0 |

##### 1.4.5.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | MegaRAID SAS Invader Controller | lsi\_mr3 | 7.702.13.00-5vmw.670.1.28.10302608 | N/A | lsi-mr3 | 7.702.13.00-5vmw.670.1.28.10302608 |
| vmhba1 | Cisco VIC FCoE HBA | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 | N/A | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 |
| vmhba2 | Cisco VIC FCoE HBA | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 | N/A | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |

#### 1.4.5.2 System

The following section provides information on the host system configuration of 172.31.100.21.

##### 1.4.5.2.1 Licensing

| License Type | License Key |
| --- | --- |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND |

##### 1.4.5.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20181002001-standard | VMware, Inc. | 4/10/2017 7:44:13 AM |

##### 1.4.5.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 172.31.192.25 |

##### 1.4.5.2.4 Syslog Configuration

| SysLog Server | Port |
| --- | --- |
| udp://172.31.192.231 | 514 |

##### 1.4.5.2.5 Update Manager Baselines

| Name | Description | Type | Target Type | Last Update Time | # of Patches |
| --- | --- | --- | --- | --- | --- |
| Critical Host Patches (Predefined) | A predefined baseline for all critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 99 |
| ESXi-NonHCI |  | Patch | Host | 2/15/2019 8:29:38 AM | 119 |
| Non-Critical Host Patches (Predefined) | A predefined baseline for all non-critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 243 |

##### 1.4.5.2.6 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| vSphere 6.7 Upgrade | Compliant |
| Critical Host Patches (Predefined) | Unknown |
| Non-Critical Host Patches (Predefined) | Unknown |
| ESXi-NonHCI | Compliant |

#### 1.4.5.3 Storage

The following section provides information on the host storage configuration of 172.31.100.21.

##### 1.4.5.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| datastore1 (1) | VMFS | 5.61 | 0 | 2.5 | 0.58 | 1.92 | 23.36 |
| PURE-DS1-LUN20 | VMFS | 6.82 | 0 | 1023.75 | 1.42 | 1022.33 | 0.14 |
| XtremIO\_LUN1 | VMFS | 5.61 | 26 | 3071.75 | 1456.09 | 1615.66 | 47.40 |
| XtremIO\_UCSBlades\_VMFS1 | VMFS | 5.61 | 8 | 2047.75 | 1080.71 | 967.04 | 52.78 |
| XtremIO\_UCSBlades\_VMFS2 | VMFS | 5.61 | 5 | 2047.75 | 334.67 | 1713.08 | 16.34 |
| XtremIO\_UCSBlades\_VMFS3 | VMFS | 5.61 | 3 | 2047.75 | 302.85 | 1744.90 | 14.79 |
| XtremIO\_UCSBlades\_VMFS4 | VMFS | 5.61 | 6 | 2047.75 | 1279.01 | 768.74 | 62.46 |
| XtremIO-Lab\_Mgmt | VMFS | 5.61 | 3 | 3071.75 | 804.63 | 2267.12 | 26.19 |

##### 1.4.5.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.21.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba1 | FibreChannel | Cisco VIC FCoE HBA | nfnic | 20:00:00:25:B5:C1:00:7F | 20:00:00:25:B5:C1:A0:7F | 8 | online |
| vmhba2 | FibreChannel | Cisco VIC FCoE HBA | nfnic | 20:00:00:25:B5:C1:00:7F | 20:00:00:25:B5:C1:B0:7F | 8 | online |

The following table details the iSCSI storage adapters for 172.31.100.21.

|  |  |
| --- | --- |
| Device | vmhba64 |
| iSCSI Name | iqn.1998-01.com.vmware:aosucsesxblade2-22dc155c |
| Model | iSCSI Software Adapter |
| Driver | iscsi\_vmk |
| Speed |  |
| Status | online |

#### 1.4.5.4 Network

The following section provides information on the host network configuration of 172.31.100.21.

|  |  |
| --- | --- |
| VMHost | 172.31.100.21 |
| Virtual Switches |  |
| VMkernel Adapters | vmk0, vmk1, vmk2, vmk3 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.10 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosucsesxblade2 |
| Domain Name |  |
| Search Domain | cloudlab.local |

##### 1.4.5.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.21.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:c1:a0:7f | 20000 | True | False |
| vmnic1 | 00:25:b5:c1:a0:2f | 20000 | True | False |
| vmnic2 | 00:25:b5:c1:b0:7f | 20000 | True | False |
| vmnic3 | 00:25:b5:c1:b0:2f | 20000 | True | False |

##### 1.4.5.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet869 |
| vmnic1 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet913 |
| vmnic2 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet870 |
| vmnic3 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet914 |

##### 1.4.5.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.21

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | ESX\_MGMT\_NATIVE |
| MTU | 1500 |
| MAC Address | 00:25:b5:c1:a0:7f |
| IP Address | 172.31.100.21 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | vMotion\_V20 |
| MTU | 1500 |
| MAC Address | 00:50:56:6e:e7:22 |
| IP Address | 192.168.245.119 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | iSCSI v950 |
| MTU | 1500 |
| MAC Address | 00:50:56:6d:3e:fb |
| IP Address | 192.168.100.21 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | iSCSI V951 |
| MTU | 1500 |
| MAC Address | 00:50:56:62:ce:6a |
| IP Address | 192.168.101.21 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.5.5 Security

The following section provides information on the host security configuration of 172.31.100.21.

##### 1.4.5.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.5.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | True | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | off | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.6 172.31.100.22

#### 1.4.6.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.22.

|  |  |
| --- | --- |
| Name | 172.31.100.22 |
| Id | HostSystem-host-15877 |
| Parent | AOSUCSBLADES |
| Manufacturer | Cisco Systems Inc |
| Model | UCSB-B200-M4 |
| Serial Number | FLM19277GF2 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2667 v3 @ 3.20GHz |
| HyperThreading | False |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 16 |
| Number of CPU Threads | 16 |
| CPU Speed | 3.19 GHz |
| Memory | 256 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 8 |
| Number of VMs | 5 |
| Maximum EVC Mode | intel-haswell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/58fa25c3-4a623ff8-a7ea-0025b5c1a04f |
| Bios Version | B200M4.4.0.1d.0.1003181546 |
| Bios Release Date | 10/3/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 10302608 |
| Uptime Days | 49.7 |

##### 1.4.6.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.22 |
| Device | naa.514f0c5860600007 |
| Boot Type | remote |
| Vendor | XtremIO |
| Model | XtremApp |
| Size MB | 10240 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.6.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:01:00.0 | RAID bus controller | MegaRAID SAS Invader Controller | Avago (LSI) | LSI3008 SAS Controller |
| vmhba1 | 0000:07:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc | MLOM Slot; relative bdf 04:00.0 |
| vmhba2 | 0000:86:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc | Mezzanine Slot 1; relative bdf 04:00.0 |
| vmnic0 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | MLOM Slot; relative bdf 03:00.0 |
| vmnic1 | 0000:8b:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot 6; relative bdf 03:00.0 |
| vmnic2 | 0000:85:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Mezzanine Slot 1; relative bdf 03:00.0 |
| vmnic3 | 0000:0c:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | Chassis slot f; relative bdf 03:00.0 |

##### 1.4.6.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | MegaRAID SAS Invader Controller | lsi\_mr3 | 7.702.13.00-5vmw.670.1.28.10302608 | N/A | lsi-mr3 | 7.702.13.00-5vmw.670.1.28.10302608 |
| vmhba1 | Cisco VIC FCoE HBA | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 | N/A | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 |
| vmhba2 | Cisco VIC FCoE HBA | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 | N/A | nfnic | 4.0.0.14-0vmw.670.1.28.10302608 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.21.0-1vmw.670.1.28.10302608 | 4.3(1b) | nenic | 1.0.21.0-1vmw.670.1.28.10302608 |

#### 1.4.6.2 System

The following section provides information on the host system configuration of 172.31.100.22.

##### 1.4.6.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.6.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20181002001-standard | VMware, Inc. | 1/29/2019 3:03:55 PM |

##### 1.4.6.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | False |  |

#### 1.4.6.3 Storage

The following section provides information on the host storage configuration of 172.31.100.22.

##### 1.4.6.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| datastore1 (2) | VMFS | 5.61 | 0 | 2.5 | 0.58 | 1.92 | 23.36 |
| PURE-DS1-LUN20 | VMFS | 6.82 | 0 | 1023.75 | 1.42 | 1022.33 | 0.14 |
| XtremIO\_LUN1 | VMFS | 5.61 | 26 | 3071.75 | 1456.09 | 1615.66 | 47.40 |
| XtremIO\_UCSBlades\_VMFS1 | VMFS | 5.61 | 8 | 2047.75 | 1080.71 | 967.04 | 52.78 |
| XtremIO\_UCSBlades\_VMFS2 | VMFS | 5.61 | 5 | 2047.75 | 334.67 | 1713.08 | 16.34 |
| XtremIO\_UCSBlades\_VMFS3 | VMFS | 5.61 | 3 | 2047.75 | 302.85 | 1744.90 | 14.79 |
| XtremIO\_UCSBlades\_VMFS4 | VMFS | 5.61 | 6 | 2047.75 | 1279.01 | 768.74 | 62.46 |
| XtremIO-Lab\_Mgmt | VMFS | 5.61 | 3 | 3071.75 | 804.63 | 2267.12 | 26.19 |

##### 1.4.6.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.22.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba1 | FibreChannel | Cisco VIC FCoE HBA | nfnic | 20:00:00:25:B5:C1:00:4F | 20:00:00:25:B5:C1:A0:4F | 8 | online |
| vmhba2 | FibreChannel | Cisco VIC FCoE HBA | nfnic | 20:00:00:25:B5:C1:00:4F | 20:00:00:25:B5:C1:B0:4F | 8 | online |

The following table details the iSCSI storage adapters for 172.31.100.22.

|  |  |
| --- | --- |
| Device | vmhba64 |
| iSCSI Name | iqn.1998-01.com.vmware:aosucsesxblade3-011625ad |
| Model | iSCSI Software Adapter |
| Driver | iscsi\_vmk |
| Speed |  |
| Status | online |

#### 1.4.6.4 Network

The following section provides information on the host network configuration of 172.31.100.22.

|  |  |
| --- | --- |
| VMHost | 172.31.100.22 |
| Virtual Switches |  |
| VMkernel Adapters | vmk0, vmk2, vmk3, vmk1 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.10 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25 |
| Host Name | aosucsesxblade3 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.6.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.22.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:c1:a0:4f | 20000 | True | False |
| vmnic1 | 00:25:b5:c1:b0:5f | 20000 | True | False |
| vmnic2 | 00:25:b5:c1:a0:5f | 20000 | True | False |
| vmnic3 | 00:25:b5:c1:b0:4f | 20000 | True | False |

##### 1.4.6.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet985 |
| vmnic1 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet988 |
| vmnic2 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet987 |
| vmnic3 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet986 |

##### 1.4.6.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.22

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | ESX\_MGMT\_NATIVE |
| MTU | 1500 |
| MAC Address | 00:25:b5:c1:b0:4f |
| IP Address | 172.31.100.22 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | vMotion\_V20 |
| MTU | 1500 |
| MAC Address | 00:50:56:6c:f8:b8 |
| IP Address | 192.168.245.120 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | iSCSI v950 |
| MTU | 1500 |
| MAC Address | 00:50:56:60:fb:76 |
| IP Address | 192.168.100.22 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | iSCSI V951 |
| MTU | 1500 |
| MAC Address | 00:50:56:6c:d3:3a |
| IP Address | 192.168.101.22 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.6.5 Security

The following section provides information on the host security configuration of 172.31.100.22.

##### 1.4.6.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.6.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | off | False | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | off | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.7 172.31.100.23

#### 1.4.7.1 Hardware

The following section provides information on the host hardware configuration of 172.31.100.23.

|  |  |
| --- | --- |
| Name | 172.31.100.23 |
| Id | HostSystem-host-15553 |
| Parent | host |
| Manufacturer | Cisco Systems Inc |
| Model | UCSB-B200-M3 |
| Serial Number | FOX1829G5S4 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2690 0 @ 2.90GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 16 |
| Number of CPU Threads | 32 |
| CPU Speed | 2.9 GHz |
| Memory | 384 GB |
| NUMA Nodes | 2 |
| Number of NICs | 4 |
| Number of Datastores | 2 |
| Number of VMs | 0 |
| Maximum EVC Mode | intel-sandybridge |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5c3e0c86-e4b8dd87-5e81-0025b5c1a00f |
| Bios Version | B200M3.2.2.6f.0.052120182033 |
| Bios Release Date | 5/21/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 8169922 |
| Uptime Days | 49.8 |

##### 1.4.7.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.100.23 |
| Device | naa.514f0c586060000a |
| Boot Type | remote |
| Vendor | XtremIO |
| Model | XtremApp |
| Size MB | 10240 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.7.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:01:00.0 | Serial Attached SCSI controller | MegaRAID SAS SKINNY Controller | LSI / Symbios Logic |  |
| vmhba1 | 0000:08:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc |  |
| vmhba2 | 0000:87:00.0 | Fibre Channel | Cisco VIC FCoE HBA | Cisco Systems Inc |  |
| vmnic0 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc |  |
| vmnic1 | 0000:07:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc |  |
| vmnic2 | 0000:85:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc |  |
| vmnic3 | 0000:86:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc |  |

##### 1.4.7.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | MegaRAID SAS SKINNY Controller | megaraid\_sas | Version 6.603.55.00.2vmw, Build: 8169922, Interface: 9.2 Built on: Apr 3 2018 | N/A | scsi-megaraid-sas | 6.603.55.00-2vmw.670.0.0.8169922 |
| vmhba1 | Cisco VIC FCoE HBA | fnic | Version 1.5.0.45-3vmw, Build: 8169922, Interface: 9.2 Built on: Apr 3 2018 | N/A | scsi-fnic | 1.5.0.45-3vmw.670.0.0.8169922 |
| vmhba2 | Cisco VIC FCoE HBA | fnic | Version 1.5.0.45-3vmw, Build: 8169922, Interface: 9.2 Built on: Apr 3 2018 | N/A | scsi-fnic | 1.5.0.45-3vmw.670.0.0.8169922 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.11.0-1vmw.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.11.0-1vmw.670.0.0.8169922 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.11.0-1vmw.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.11.0-1vmw.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.11.0-1vmw.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.11.0-1vmw.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.11.0-1vmw.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.11.0-1vmw.670.0.0.8169922 |

#### 1.4.7.2 System

The following section provides information on the host system configuration of 172.31.100.23.

##### 1.4.7.2.1 Licensing

| License Type | License Key |
| --- | --- |
| VMware vSphere 6 Enterprise Plus | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-422G6-2KHND |

##### 1.4.7.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| ESXi-6.7.0-8169922-standard | VMware, Inc. | 1/15/2019 11:27:15 AM |

##### 1.4.7.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | False |  |

#### 1.4.7.3 Storage

The following section provides information on the host storage configuration of 172.31.100.23.

##### 1.4.7.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| datastore1 (3) | VMFS | 6.82 | 0 | 2.5 | 1.41 | 1.09 | 56.21 |
| drsesxi03-local | VMFS | 5.60 | 0 | 271 | 5.57 | 265.43 | 2.05 |

##### 1.4.7.3.2 Storage Adapters

The following table details the fibre channel storage adapters for 172.31.100.23.

| Device | Type | Model | Driver | Node WWN | Port WWN | Speed | Status |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmhba1 | FibreChannel | Cisco VIC FCoE HBA | fnic | 20:00:00:25:B5:C1:00:5F | 20:00:00:25:B5:C1:A0:5F | 10 | online |
| vmhba2 | FibreChannel | Cisco VIC FCoE HBA | fnic | 20:00:00:25:B5:C1:00:5F | 20:00:00:25:B5:C1:B0:5F | 10 | online |

#### 1.4.7.4 Network

The following section provides information on the host network configuration of 172.31.100.23.

|  |  |
| --- | --- |
| VMHost | 172.31.100.23 |
| Virtual Switches | vSwitch0 |
| VMkernel Adapters | vmk0 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3 |
| VMkernel Gateway | 172.31.100.10 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosucsesxblade4 |
| Domain Name |  |
| Search Domain | cloudlab.local |

##### 1.4.7.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.100.23.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:c1:a0:0f | 20000 | True | False |
| vmnic1 | 00:25:b5:c1:b0:0f | 20000 | True | False |
| vmnic2 | 00:25:b5:c1:a0:1f | 20000 | True | False |
| vmnic3 | 00:25:b5:c1:b0:1f | 20000 | True | False |

##### 1.4.7.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet967 |
| vmnic1 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet968 |
| vmnic2 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet969 |
| vmnic3 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet970 |

##### 1.4.7.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.100.23

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | Management Network |
| MTU | 1500 |
| MAC Address | 00:25:b5:c1:a0:0f |
| IP Address | 172.31.100.23 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

##### 1.4.7.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for 172.31.100.23.

|  |  |
| --- | --- |
| Name | vSwitch0 |
| MTU | 1500 |
| Number of Ports | 6656 |
| Number of Ports Available | 6647 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0 |
| Standby NICs | vmnic1 |
| Unused NICs |  |

##### 1.4.7.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vSwitch0 | True | True | False |

##### 1.4.7.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic1 |  |

##### 1.4.7.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vSwitch0 | Management Network | 0 | 0 |
| vSwitch0 | VM Network | 0 | 0 |

##### 1.4.7.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vSwitch0 | Management Network | True | True | False |
| vSwitch0 | VM Network | True | True | False |

##### 1.4.7.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vSwitch0 | Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0vmnic1 |  |  |
| vSwitch0 | VM Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic1 |  |

#### 1.4.7.5 Security

The following section provides information on the host security configuration of 172.31.100.23.

##### 1.4.7.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.7.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | off | False | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | on | True | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.8 172.31.192.52

#### 1.4.8.1 Hardware

The following section provides information on the host hardware configuration of 172.31.192.52.

|  |  |
| --- | --- |
| Name | 172.31.192.52 |
| Id | HostSystem-host-15925 |
| Parent | HXCluster |
| Manufacturer | Cisco Systems Inc |
| Model | HX240C-M4SX |
| Serial Number | FCH2033V2G7 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 28 |
| Number of CPU Threads | 56 |
| CPU Speed | 2.59 GHz |
| Memory | 512 GB |
| NUMA Nodes | 2 |
| Number of NICs | 8 |
| Number of Datastores | 1 |
| Number of VMs | 1 |
| Maximum EVC Mode | intel-broadwell |
| Power Management Policy | High Performance |
| Scratch Location | /vmfs/volumes/57c2383d-897e899b-3973-0025b599a101/.locker |
| Bios Version | C240M4.4.0.1c.0.0711181612 |
| Bios Release Date | 7/11/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 48 |

##### 1.4.8.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.192.52 |
| Device | eui.00a0504658335330 |
| Boot Type | local |
| Vendor | Cypress |
| Model | RAID |
| Size MB | 60901 |
| Is SAS | false |
| Is SSD | false |
| Is USB | true |

##### 1.4.8.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:0e:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3108\_1 PCI-Express | Avago (LSI Logic) | SlotID:HBA |
| vmhba32 | 0000:00:1d.0 | USB controller | C610/X99 series chipset USB Enhanced Host Controller #1 | Intel Corporation |  |
| vmnic0 | 0000:05:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 03:00.0 |
| vmnic1 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 04:00.0 |
| vmnic2 | 0000:07:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 05:00.0 |
| vmnic3 | 0000:08:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 06:00.0 |
| vmnic4 | 0000:09:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 07:00.0 |
| vmnic5 | 0000:0a:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 08:00.0 |
| vmnic6 | 0000:0b:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 09:00.0 |
| vmnic7 | 0000:0c:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 0a:00.0 |

##### 1.4.8.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Fusion-MPT 12GSAS SAS3108\_1 PCI-Express | pciPassthru |  | N/A |  |  |
| vmhba32 | C610/X99 series chipset USB Enhanced Host Controller #1 | vmkusb | 0.1-1vmw.670.1.28.10302608 | N/A | vmkusb | 0.1-1vmw.670.1.28.10302608 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic4 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic5 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic6 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic7 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |

#### 1.4.8.2 System

The following section provides information on the host system configuration of 172.31.192.52.

##### 1.4.8.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.8.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) HX-ESXi-6.7U1-11675023-Cisco-Custom-6.7.1.3 | Cisco | 1/31/2019 8:25:47 AM |

##### 1.4.8.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | pool.ntp.org |

#### 1.4.8.3 Storage

The following section provides information on the host storage configuration of 172.31.192.52.

##### 1.4.8.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SpringpathDS-FCH2033V2G7 | VMFS | 5.61 | 1 | 111.75 | 109.60 | 2.15 | 98.07 |

#### 1.4.8.4 Network

The following section provides information on the host network configuration of 172.31.192.52.

|  |  |
| --- | --- |
| VMHost | 172.31.192.52 |
| Virtual Switches | vswitch-hx-inband-mgmt, vswitch-hx-vm-network, vmotion, vswitch-hx-storage-data |
| VMkernel Adapters | vmk0, vmk1, vmk2 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25 |
| Host Name | HX-Svr2-Mgt |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.8.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.192.52.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:cc:a1:02 | 10000 | True | False |
| vmnic1 | 00:25:b5:cc:a3:02 | 10000 | True | False |
| vmnic2 | 00:25:b5:cc:a5:02 | 10000 | True | False |
| vmnic3 | 00:25:b5:cc:a7:02 | 10000 | True | False |
| vmnic4 | 00:25:b5:cc:b2:02 | 10000 | True | False |
| vmnic5 | 00:25:b5:cc:b4:02 | 10000 | True | False |
| vmnic6 | 00:25:b5:cc:b6:02 | 10000 | True | False |
| vmnic7 | 00:25:b5:cc:b8:02 | 10000 | True | False |

##### 1.4.8.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1053 |
| vmnic1 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1054 |
| vmnic2 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1055 |
| vmnic3 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1056 |
| vmnic4 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1057 |
| vmnic5 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1058 |
| vmnic6 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1059 |
| vmnic7 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1060 |

##### 1.4.8.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.192.52

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | Management Network |
| MTU | 1500 |
| MAC Address | 00:50:56:6a:05:43 |
| IP Address | 172.31.192.52 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Storage Hypervisor Data Network |
| MTU | 9000 |
| MAC Address | 00:50:56:64:f2:e9 |
| IP Address | 192.168.31.52 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | vmotion-21 |
| MTU | 9000 |
| MAC Address | 00:50:56:60:15:25 |
| IP Address | 192.168.200.52 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

##### 1.4.8.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for 172.31.192.52.

|  |  |
| --- | --- |
| Name | vmotion |
| MTU | 9000 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic3 |
| Standby NICs | vmnic7 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-inband-mgmt |
| MTU | 1500 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0 |
| Standby NICs | vmnic4 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-storage-data |
| MTU | 9000 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic5 |
| Standby NICs | vmnic1 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-vm-network |
| MTU | 1500 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic2, vmnic6 |
| Standby NICs |  |
| Unused NICs |  |

##### 1.4.8.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vmotion | False | False | False |
| vswitch-hx-inband-mgmt | False | False | False |
| vswitch-hx-storage-data | False | False | False |
| vswitch-hx-vm-network | False | False | False |

##### 1.4.8.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmotion | LoadBalanceSrcId | LinkStatus | True | True | vmnic3 | vmnic7 |  |
| vswitch-hx-inband-mgmt | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-storage-data | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-vm-network | LoadBalanceSrcId | LinkStatus | True | True | vmnic2vmnic6 |  |  |

##### 1.4.8.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vmotion | vmotion-21 | 21 | 0 |
| vswitch-hx-inband-mgmt | Management Network | 965 | 0 |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | 965 | 1 |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | 0 | 1 |
| vswitch-hx-storage-data | Storage Controller Data Network | 31 | 1 |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | 31 | 0 |
| vswitch-hx-vm-network | vm-network-965 | 965 | 0 |

##### 1.4.8.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vmotion | vmotion-21 | False | False | False |
| vswitch-hx-inband-mgmt | Management Network | False | False | False |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | False | False | False |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | False | False | False |
| vswitch-hx-storage-data | Storage Controller Data Network | False | False | False |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | False | False | False |
| vswitch-hx-vm-network | vm-network-965 | False | False | False |

##### 1.4.8.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vmotion | vmotion-21 | LoadBalanceSrcId | LinkStatus | True | True | vmnic3 | vmnic7 |  |
| vswitch-hx-inband-mgmt | Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-storage-data | Storage Controller Data Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-vm-network | vm-network-965 | LoadBalanceSrcId | LinkStatus | True | True | vmnic2vmnic6 |  |  |

#### 1.4.8.5 Security

The following section provides information on the host security configuration of 172.31.192.52.

##### 1.4.8.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.8.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| scvmclient | scvmclient | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| stHypervisorSvc | stHypervisorSvc | on | True | False |
| TSM | ESXi Shell | on | True | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.9 172.31.192.53

#### 1.4.9.1 Hardware

The following section provides information on the host hardware configuration of 172.31.192.53.

|  |  |
| --- | --- |
| Name | 172.31.192.53 |
| Id | HostSystem-host-15915 |
| Parent | HXCluster |
| Manufacturer | Cisco Systems Inc |
| Model | HX240C-M4SX |
| Serial Number | FCH2033V30R |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 28 |
| Number of CPU Threads | 56 |
| CPU Speed | 2.59 GHz |
| Memory | 512 GB |
| NUMA Nodes | 2 |
| Number of NICs | 8 |
| Number of Datastores | 1 |
| Number of VMs | 1 |
| Maximum EVC Mode | intel-broadwell |
| Power Management Policy | High Performance |
| Scratch Location | /vmfs/volumes/57c2069f-fa06bcca-2d92-0025b599a10d/.locker |
| Bios Version | C240M4.4.0.1c.0.0711181612 |
| Bios Release Date | 7/11/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 48 |

##### 1.4.9.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | 172.31.192.53 |
| Device | eui.00a0504658335330 |
| Boot Type | local |
| Vendor | Cypress |
| Model | RAID |
| Size MB | 60901 |
| Is SAS | false |
| Is SSD | false |
| Is USB | true |

##### 1.4.9.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:0e:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3108\_1 PCI-Express | Avago (LSI Logic) | SlotID:HBA |
| vmhba32 | 0000:00:1d.0 | USB controller | C610/X99 series chipset USB Enhanced Host Controller #1 | Intel Corporation |  |
| vmnic0 | 0000:05:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 03:00.0 |
| vmnic1 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 04:00.0 |
| vmnic2 | 0000:07:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 05:00.0 |
| vmnic3 | 0000:08:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 06:00.0 |
| vmnic4 | 0000:09:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 07:00.0 |
| vmnic5 | 0000:0a:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 08:00.0 |
| vmnic6 | 0000:0b:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 09:00.0 |
| vmnic7 | 0000:0c:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 0a:00.0 |

##### 1.4.9.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Fusion-MPT 12GSAS SAS3108\_1 PCI-Express | pciPassthru |  | N/A |  |  |
| vmhba32 | C610/X99 series chipset USB Enhanced Host Controller #1 | vmkusb | 0.1-1vmw.670.1.28.10302608 | N/A | vmkusb | 0.1-1vmw.670.1.28.10302608 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic4 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic5 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic6 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic7 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |

#### 1.4.9.2 System

The following section provides information on the host system configuration of 172.31.192.53.

##### 1.4.9.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.9.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) HX-ESXi-6.7U1-11675023-Cisco-Custom-6.7.1.3 | Cisco | 1/31/2019 8:25:39 AM |

##### 1.4.9.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | pool.ntp.org |

#### 1.4.9.3 Storage

The following section provides information on the host storage configuration of 172.31.192.53.

##### 1.4.9.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SpringpathDS-FCH2033V30R | VMFS | 5.61 | 1 | 111.75 | 109.60 | 2.15 | 98.07 |

#### 1.4.9.4 Network

The following section provides information on the host network configuration of 172.31.192.53.

|  |  |
| --- | --- |
| VMHost | 172.31.192.53 |
| Virtual Switches | vswitch-hx-inband-mgmt, vswitch-hx-vm-network, vmotion, vswitch-hx-storage-data |
| VMkernel Adapters | vmk0, vmk1, vmk2 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25 |
| Host Name | HX-Svr3-Mgt |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.9.4.1 Physical Adapters

The following table details the physical network adapters for 172.31.192.53.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:cc:a1:03 | 10000 | True | False |
| vmnic1 | 00:25:b5:cc:a3:03 | 10000 | True | False |
| vmnic2 | 00:25:b5:cc:a5:03 | 10000 | True | False |
| vmnic3 | 00:25:b5:cc:a7:03 | 10000 | True | False |
| vmnic4 | 00:25:b5:cc:b2:03 | 10000 | True | False |
| vmnic5 | 00:25:b5:cc:b4:03 | 10000 | True | False |
| vmnic6 | 00:25:b5:cc:b6:03 | 10000 | True | False |
| vmnic7 | 00:25:b5:cc:b8:03 | 10000 | True | False |

##### 1.4.9.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1061 |
| vmnic1 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1062 |
| vmnic2 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1063 |
| vmnic3 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1064 |
| vmnic4 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1065 |
| vmnic5 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1066 |
| vmnic6 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1067 |
| vmnic7 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1068 |

##### 1.4.9.4.3 VMkernel Adapters

The following table details the VMkernel adapters for 172.31.192.53

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | Management Network |
| MTU | 1500 |
| MAC Address | 00:50:56:69:cd:62 |
| IP Address | 172.31.192.53 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Storage Hypervisor Data Network |
| MTU | 9000 |
| MAC Address | 00:50:56:63:46:ff |
| IP Address | 192.168.31.53 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | vmotion-21 |
| MTU | 9000 |
| MAC Address | 00:50:56:63:5a:da |
| IP Address | 192.168.200.53 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

##### 1.4.9.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for 172.31.192.53.

|  |  |
| --- | --- |
| Name | vmotion |
| MTU | 9000 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic3 |
| Standby NICs | vmnic7 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-inband-mgmt |
| MTU | 1500 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0 |
| Standby NICs | vmnic4 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-storage-data |
| MTU | 9000 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic5 |
| Standby NICs | vmnic1 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-vm-network |
| MTU | 1500 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic2, vmnic6 |
| Standby NICs |  |
| Unused NICs |  |

##### 1.4.9.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vmotion | False | False | False |
| vswitch-hx-inband-mgmt | False | False | False |
| vswitch-hx-storage-data | False | False | False |
| vswitch-hx-vm-network | False | False | False |

##### 1.4.9.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmotion | LoadBalanceSrcId | LinkStatus | True | True | vmnic3 | vmnic7 |  |
| vswitch-hx-inband-mgmt | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-storage-data | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-vm-network | LoadBalanceSrcId | LinkStatus | True | True | vmnic2vmnic6 |  |  |

##### 1.4.9.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vmotion | vmotion-21 | 21 | 0 |
| vswitch-hx-inband-mgmt | Management Network | 965 | 0 |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | 965 | 1 |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | 0 | 1 |
| vswitch-hx-storage-data | Storage Controller Data Network | 31 | 1 |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | 31 | 0 |
| vswitch-hx-vm-network | vm-network-965 | 965 | 0 |

##### 1.4.9.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vmotion | vmotion-21 | False | False | False |
| vswitch-hx-inband-mgmt | Management Network | False | False | False |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | False | False | False |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | False | False | False |
| vswitch-hx-storage-data | Storage Controller Data Network | False | False | False |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | False | False | False |
| vswitch-hx-vm-network | vm-network-965 | False | False | False |

##### 1.4.9.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vmotion | vmotion-21 | LoadBalanceSrcId | LinkStatus | True | True | vmnic3 | vmnic7 |  |
| vswitch-hx-inband-mgmt | Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-storage-data | Storage Controller Data Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-vm-network | vm-network-965 | LoadBalanceSrcId | LinkStatus | True | True | vmnic2vmnic6 |  |  |

#### 1.4.9.5 Security

The following section provides information on the host security configuration of 172.31.192.53.

##### 1.4.9.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.9.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| scvmclient | scvmclient | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| stHypervisorSvc | stHypervisorSvc | on | True | False |
| TSM | ESXi Shell | on | True | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

### 1.4.10 aosvxrailesxi-01.cloudlab.local

#### 1.4.10.1 Hardware

The following section provides information on the host hardware configuration of aosvxrailesxi-01.cloudlab.local.

|  |  |
| --- | --- |
| Name | aosvxrailesxi-01.cloudlab.local |
| Id | HostSystem-host-16471 |
| Parent | VxRail |
| Manufacturer | Quanta |
| Model | QuantaPlex T41S-2U |
| Serial Number | QCFVR161264002 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 12 |
| Number of CPU Threads | 24 |
| CPU Speed | 2.39 GHz |
| Memory | 192 GB |
| NUMA Nodes | 2 |
| Number of NICs | 2 |
| Number of Datastores | 2 |
| Number of VMs | 1 |
| Maximum EVC Mode | intel-haswell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5c755ce4-c2804c18-508c-54ab3a4df501 |
| Bios Version | S2S\_3A19 |
| Bios Release Date | 12/9/2015 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 21.9 |

##### 1.4.10.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | aosvxrailesxi-01.cloudlab.local |
| Device | t10.ATA\_\_\_\_\_SATADOM2DMV\_3SE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20160113AA8511302056 |
| Boot Type | local |
| Vendor | ATA |
| Model | SATADOM-MV 3SE |
| Size MB | 61057 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.10.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.4 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:04:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3008 PCI-Express | Avago (LSI Logic) | Chassis slot 1; function 0 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 0 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 1 |

##### 1.4.10.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba2 | Fusion-MPT 12GSAS SAS3008 PCI-Express | lsi\_msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 | N/A | lsi-msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 |
| vmnic0 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |
| vmnic1 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |

#### 1.4.10.2 System

The following section provides information on the host system configuration of aosvxrailesxi-01.cloudlab.local.

##### 1.4.10.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.10.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20190104001-6.7ep6\_47100\_11830077-legacy-standard | VMware, Inc. | 2/26/2019 9:35:15 AM |

##### 1.4.10.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 172.31.192.25, 172.31.192.26 |

##### 1.4.10.2.4 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | NotCompliant |

#### 1.4.10.3 Storage

The following section provides information on the host storage configuration of aosvxrailesxi-01.cloudlab.local.

##### 1.4.10.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| QCFVR161264002-04-01-service-datastore1 | VMFS | 6.82 | 0 | 52 | 11.18 | 40.82 | 21.49 |
| VxRail-Virtual-SAN-Datastore-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | vsan |  | 2 | 13413.66 | 261.23 | 13152.43 | 1.95 |

#### 1.4.10.4 Network

The following section provides information on the host network configuration of aosvxrailesxi-01.cloudlab.local.

|  |  |
| --- | --- |
| VMHost | aosvxrailesxi-01.cloudlab.local |
| Virtual Switches |  |
| VMkernel Adapters | vmk2, vmk0, vmk1, vmk3 |
| Physical Adapters | vmnic0, vmnic1 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosvxrailesxi-01 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.10.4.1 Physical Adapters

The following table details the physical network adapters for aosvxrailesxi-01.cloudlab.local.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 54:ab:3a:4d:f5:01 | 10000 | True | False |
| vmnic1 | 54:ab:3a:4d:f5:02 | 10000 | True | False |

##### 1.4.10.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/14 |
| vmnic1 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/16 |

##### 1.4.10.4.3 VMkernel Adapters

The following table details the VMkernel adapters for aosvxrailesxi-01.cloudlab.local

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:63:f7:d6 |
| IP Address |  |
| Subnet Mask |  |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:6a:c9:c7 |
| IP Address | 192.168.246.11 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | True |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:64:23:68 |
| IP Address | 172.31.192.11 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:6f:e5:20 |
| IP Address | 192.168.245.11 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.10.5 Security

The following section provides information on the host security configuration of aosvxrailesxi-01.cloudlab.local.

##### 1.4.10.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.10.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| loudmouth | loudmouth | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| port-lldpd | port-lldpd | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | on | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| vxrail-election | vxrail-election | off | False | False |
| vxrail-platform-service | vxrail-platform-service | off | True | False |
| vxrail-platform-service-util | vxrail-platform-service-util | off | False | False |
| xorg | X.Org Server | on | False | False |

### 1.4.11 aosvxrailesxi-02.cloudlab.local

#### 1.4.11.1 Hardware

The following section provides information on the host hardware configuration of aosvxrailesxi-02.cloudlab.local.

|  |  |
| --- | --- |
| Name | aosvxrailesxi-02.cloudlab.local |
| Id | HostSystem-host-16476 |
| Parent | VxRail |
| Manufacturer | Quanta |
| Model | QuantaPlex T41S-2U |
| Serial Number | QCFVR161264002 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 12 |
| Number of CPU Threads | 24 |
| CPU Speed | 2.39 GHz |
| Memory | 192 GB |
| NUMA Nodes | 2 |
| Number of NICs | 2 |
| Number of Datastores | 2 |
| Number of VMs | 1 |
| Maximum EVC Mode | intel-haswell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5c755cb1-4ecb8b70-ddc7-54ab3a4df6af |
| Bios Version | S2S\_3A19 |
| Bios Release Date | 12/9/2015 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 21.9 |

##### 1.4.11.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | aosvxrailesxi-02.cloudlab.local |
| Device | t10.ATA\_\_\_\_\_SATADOM2DMV\_3SE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20160118AA9241147004 |
| Boot Type | local |
| Vendor | ATA |
| Model | SATADOM-MV 3SE |
| Size MB | 61057 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.11.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.4 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:04:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3008 PCI-Express | Avago (LSI Logic) | Chassis slot 1; function 0 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 0 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 1 |

##### 1.4.11.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba2 | Fusion-MPT 12GSAS SAS3008 PCI-Express | lsi\_msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 | N/A | lsi-msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 |
| vmnic0 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |
| vmnic1 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |

#### 1.4.11.2 System

The following section provides information on the host system configuration of aosvxrailesxi-02.cloudlab.local.

##### 1.4.11.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.11.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20190104001-6.7ep6\_47100\_11830077-legacy-standard | VMware, Inc. | 2/26/2019 9:34:21 AM |

##### 1.4.11.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 172.31.192.25, 172.31.192.26 |

##### 1.4.11.2.4 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | NotCompliant |

#### 1.4.11.3 Storage

The following section provides information on the host storage configuration of aosvxrailesxi-02.cloudlab.local.

##### 1.4.11.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| QCFVR161264002-04-02-service-datastore1 | VMFS | 6.82 | 0 | 52 | 10.67 | 41.33 | 20.51 |
| VxRail-Virtual-SAN-Datastore-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | vsan |  | 2 | 13413.66 | 261.23 | 13152.43 | 1.95 |

#### 1.4.11.4 Network

The following section provides information on the host network configuration of aosvxrailesxi-02.cloudlab.local.

|  |  |
| --- | --- |
| VMHost | aosvxrailesxi-02.cloudlab.local |
| Virtual Switches |  |
| VMkernel Adapters | vmk2, vmk0, vmk1, vmk3 |
| Physical Adapters | vmnic0, vmnic1 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosvxrailesxi-02 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.11.4.1 Physical Adapters

The following table details the physical network adapters for aosvxrailesxi-02.cloudlab.local.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 54:ab:3a:4d:f6:af | 10000 | True | False |
| vmnic1 | 54:ab:3a:4d:f6:b0 | 10000 | True | False |

##### 1.4.11.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/15 |
| vmnic1 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/13 |

##### 1.4.11.4.3 VMkernel Adapters

The following table details the VMkernel adapters for aosvxrailesxi-02.cloudlab.local

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:6d:1f:7b |
| IP Address |  |
| Subnet Mask |  |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:64:58:ac |
| IP Address | 192.168.246.12 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | True |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:64:93:37 |
| IP Address | 172.31.192.12 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:69:f2:d9 |
| IP Address | 192.168.245.12 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.11.5 Security

The following section provides information on the host security configuration of aosvxrailesxi-02.cloudlab.local.

##### 1.4.11.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.11.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| loudmouth | loudmouth | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| port-lldpd | port-lldpd | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | on | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| vxrail-election | vxrail-election | off | False | False |
| vxrail-platform-service | vxrail-platform-service | off | True | False |
| vxrail-platform-service-util | vxrail-platform-service-util | off | False | False |
| xorg | X.Org Server | on | False | False |

### 1.4.12 aosvxrailesxi-03.cloudlab.local

#### 1.4.12.1 Hardware

The following section provides information on the host hardware configuration of aosvxrailesxi-03.cloudlab.local.

|  |  |
| --- | --- |
| Name | aosvxrailesxi-03.cloudlab.local |
| Id | HostSystem-host-16478 |
| Parent | VxRail |
| Manufacturer | Quanta |
| Model | QuantaPlex T41S-2U |
| Serial Number | QCFVR161264002 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 12 |
| Number of CPU Threads | 24 |
| CPU Speed | 2.39 GHz |
| Memory | 192 GB |
| NUMA Nodes | 2 |
| Number of NICs | 2 |
| Number of Datastores | 2 |
| Number of VMs | 0 |
| Maximum EVC Mode | intel-haswell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5c755cc4-4df09308-9fd0-54ab3a4df677 |
| Bios Version | S2S\_3A19 |
| Bios Release Date | 12/9/2015 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 21.9 |

##### 1.4.12.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | aosvxrailesxi-03.cloudlab.local |
| Device | t10.ATA\_\_\_\_\_SATADOM2DMV\_3SE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20160113AAAA8132304D |
| Boot Type | local |
| Vendor | ATA |
| Model | SATADOM-MV 3SE |
| Size MB | 61057 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.12.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.4 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:04:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3008 PCI-Express | Avago (LSI Logic) | Chassis slot 1; function 0 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 0 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 1 |

##### 1.4.12.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba2 | Fusion-MPT 12GSAS SAS3008 PCI-Express | lsi\_msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 | N/A | lsi-msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 |
| vmnic0 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |
| vmnic1 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |

#### 1.4.12.2 System

The following section provides information on the host system configuration of aosvxrailesxi-03.cloudlab.local.

##### 1.4.12.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.12.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20190104001-6.7ep6\_47100\_11830077-legacy-standard | VMware, Inc. | 2/26/2019 9:34:37 AM |

##### 1.4.12.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 172.31.192.25, 172.31.192.26 |

##### 1.4.12.2.4 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | NotCompliant |

#### 1.4.12.3 Storage

The following section provides information on the host storage configuration of aosvxrailesxi-03.cloudlab.local.

##### 1.4.12.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| QCFVR161264002-04-03-service-datastore1 | VMFS | 6.82 | 0 | 52 | 10.67 | 41.33 | 20.51 |
| VxRail-Virtual-SAN-Datastore-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | vsan |  | 2 | 13413.66 | 261.23 | 13152.43 | 1.95 |

#### 1.4.12.4 Network

The following section provides information on the host network configuration of aosvxrailesxi-03.cloudlab.local.

|  |  |
| --- | --- |
| VMHost | aosvxrailesxi-03.cloudlab.local |
| Virtual Switches |  |
| VMkernel Adapters | vmk2, vmk0, vmk1, vmk3 |
| Physical Adapters | vmnic0, vmnic1 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosvxrailesxi-03 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.12.4.1 Physical Adapters

The following table details the physical network adapters for aosvxrailesxi-03.cloudlab.local.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 54:ab:3a:4d:f6:77 | 10000 | True | False |
| vmnic1 | 54:ab:3a:4d:f6:78 | 10000 | True | False |

##### 1.4.12.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/3 |
| vmnic1 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/12 |

##### 1.4.12.4.3 VMkernel Adapters

The following table details the VMkernel adapters for aosvxrailesxi-03.cloudlab.local

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:66:5b:2f |
| IP Address |  |
| Subnet Mask |  |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:65:66:ca |
| IP Address | 192.168.246.13 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | True |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:62:9a:18 |
| IP Address | 172.31.192.13 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:63:3a:31 |
| IP Address | 192.168.245.13 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.12.5 Security

The following section provides information on the host security configuration of aosvxrailesxi-03.cloudlab.local.

##### 1.4.12.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.12.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| loudmouth | loudmouth | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| port-lldpd | port-lldpd | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | on | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| vxrail-election | vxrail-election | off | False | False |
| vxrail-platform-service | vxrail-platform-service | off | True | False |
| vxrail-platform-service-util | vxrail-platform-service-util | off | False | False |
| xorg | X.Org Server | on | False | False |

### 1.4.13 aosvxrailesxi-04.cloudlab.local

#### 1.4.13.1 Hardware

The following section provides information on the host hardware configuration of aosvxrailesxi-04.cloudlab.local.

|  |  |
| --- | --- |
| Name | aosvxrailesxi-04.cloudlab.local |
| Id | HostSystem-host-16480 |
| Parent | VxRail |
| Manufacturer | Quanta |
| Model | QuantaPlex T41S-2U |
| Serial Number | QCFVR161264002 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 12 |
| Number of CPU Threads | 24 |
| CPU Speed | 2.39 GHz |
| Memory | 192 GB |
| NUMA Nodes | 2 |
| Number of NICs | 2 |
| Number of Datastores | 2 |
| Number of VMs | 0 |
| Maximum EVC Mode | intel-haswell |
| Power Management Policy | Balanced |
| Scratch Location | /vmfs/volumes/5c755cd3-3afcef40-d481-54ab3a4df35f |
| Bios Version | S2S\_3A19 |
| Bios Release Date | 12/9/2015 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 21.9 |

##### 1.4.13.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | aosvxrailesxi-04.cloudlab.local |
| Device | t10.ATA\_\_\_\_\_SATADOM2DMV\_3SE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20160113AA8511302008 |
| Boot Type | local |
| Vendor | ATA |
| Model | SATADOM-MV 3SE |
| Size MB | 61057 |
| Is SAS | false |
| Is SSD | true |
| Is USB | false |

##### 1.4.13.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:11.4 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba2 | 0000:04:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3008 PCI-Express | Avago (LSI Logic) | Chassis slot 1; function 0 |
| vmnic0 | 0000:01:00.0 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 0 |
| vmnic1 | 0000:01:00.1 | Ethernet controller | 82599 10 Gigabit Dual Port Network Connection | Intel(R) | Chassis slot 14; function 1 |

##### 1.4.13.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba2 | Fusion-MPT 12GSAS SAS3008 PCI-Express | lsi\_msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 | N/A | lsi-msgpt3 | 17.00.00.00-1OEM.650.0.0.4598673 |
| vmnic0 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |
| vmnic1 | 82599 10 Gigabit Dual Port Network Connection | ixgbe | Version 4.5.1-iov, Build: 2494585, Interface: 9.2 Built on: Mar 7 2017 | 0x800004e0, 1.808.0 | net-ixgbe | 4.5.1-1OEM.600.0.0.2494585 |

#### 1.4.13.2 System

The following section provides information on the host system configuration of aosvxrailesxi-04.cloudlab.local.

##### 1.4.13.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.13.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) ESXi-6.7.0-20190104001-6.7ep6\_47100\_11830077-legacy-standard | VMware, Inc. | 2/26/2019 9:34:56 AM |

##### 1.4.13.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | 172.31.192.25, 172.31.192.26 |

##### 1.4.13.2.4 Update Manager Compliance

| Baseline | Status |
| --- | --- |
| VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | NotCompliant |

#### 1.4.13.3 Storage

The following section provides information on the host storage configuration of aosvxrailesxi-04.cloudlab.local.

##### 1.4.13.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| QCFVR161264002-04-04-service-datastore1 | VMFS | 6.82 | 0 | 52 | 10.67 | 41.33 | 20.51 |
| VxRail-Virtual-SAN-Datastore-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | vsan |  | 2 | 13413.66 | 261.23 | 13152.43 | 1.95 |

#### 1.4.13.4 Network

The following section provides information on the host network configuration of aosvxrailesxi-04.cloudlab.local.

|  |  |
| --- | --- |
| VMHost | aosvxrailesxi-04.cloudlab.local |
| Virtual Switches |  |
| VMkernel Adapters | vmk2, vmk0, vmk1, vmk3 |
| Physical Adapters | vmnic0, vmnic1 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25, 172.31.192.26 |
| Host Name | aosvxrailesxi-04 |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.13.4.1 Physical Adapters

The following table details the physical network adapters for aosvxrailesxi-04.cloudlab.local.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 54:ab:3a:4d:f3:5f | 10000 | True | False |
| vmnic1 | 54:ab:3a:4d:f3:60 | 10000 | True | False |

##### 1.4.13.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/11 |
| vmnic1 | True | ToR-RwB-Rk4-Sw2(SSI15030FHM) | N5K-C5010P-BF | Ethernet1/4 |

##### 1.4.13.4.3 VMkernel Adapters

The following table details the VMkernel adapters for aosvxrailesxi-04.cloudlab.local

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:68:de:97 |
| IP Address |  |
| Subnet Mask |  |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:6b:44:17 |
| IP Address | 192.168.246.14 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | True |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:61:ab:85 |
| IP Address | 172.31.192.14 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk3 |
| Network Label | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| MTU | 1500 |
| MAC Address | 00:50:56:69:9a:2c |
| IP Address | 192.168.245.14 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

#### 1.4.13.5 Security

The following section provides information on the host security configuration of aosvxrailesxi-04.cloudlab.local.

##### 1.4.13.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.13.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| loudmouth | loudmouth | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| port-lldpd | port-lldpd | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| TSM | ESXi Shell | on | False | False |
| TSM-SSH | SSH | off | False | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| vxrail-election | vxrail-election | off | False | False |
| vxrail-platform-service | vxrail-platform-service | off | True | False |
| vxrail-platform-service-util | vxrail-platform-service-util | off | False | False |
| xorg | X.Org Server | on | False | False |

### 1.4.14 hxesxi1.cloudlab.local

#### 1.4.14.1 Hardware

The following section provides information on the host hardware configuration of hxesxi1.cloudlab.local.

|  |  |
| --- | --- |
| Name | hxesxi1.cloudlab.local |
| Id | HostSystem-host-15922 |
| Parent | HXCluster |
| Manufacturer | Cisco Systems Inc |
| Model | HX240C-M4SX |
| Serial Number | FCH2033V361 |
| Asset Tag |  |
| Processor Type | Intel(R) Xeon(R) CPU E5-2690 v4 @ 2.60GHz |
| HyperThreading | True |
| Number of CPU Sockets | 2 |
| Number of CPU Cores | 28 |
| Number of CPU Threads | 56 |
| CPU Speed | 2.59 GHz |
| Memory | 512 GB |
| NUMA Nodes | 2 |
| Number of NICs | 8 |
| Number of Datastores | 1 |
| Number of VMs | 1 |
| Maximum EVC Mode | intel-broadwell |
| Power Management Policy | High Performance |
| Scratch Location | /vmfs/volumes/57c23e58-2db91d1e-897b-0025b599a102/.locker |
| Bios Version | C240M4.4.0.1c.0.0711181612 |
| Bios Release Date | 7/11/2018 12:00:00 AM |
| ESXi Version | 6.7.0 |
| ESXi Build | 11675023 |
| Uptime Days | 48 |

##### 1.4.14.1.1 Boot Devices

|  |  |
| --- | --- |
| Host | hxesxi1.cloudlab.local |
| Device | eui.00a0504658335330 |
| Boot Type | local |
| Vendor | Cypress |
| Model | RAID |
| Size MB | 60901 |
| Is SAS | false |
| Is SSD | false |
| Is USB | true |

##### 1.4.14.1.2 PCI Devices

| VMkernel Name | PCI Address | Device Class | Device Name | Vendor Name | Slot Description |
| --- | --- | --- | --- | --- | --- |
| vmhba0 | 0000:00:1f.2 | SATA controller | Wellsburg AHCI Controller | Intel Corporation |  |
| vmhba1 | 0000:0e:00.0 | Serial Attached SCSI controller | Fusion-MPT 12GSAS SAS3108\_1 PCI-Express | Avago (LSI Logic) | SlotID:HBA |
| vmhba32 | 0000:00:1d.0 | USB controller | C610/X99 series chipset USB Enhanced Host Controller #1 | Intel Corporation |  |
| vmnic0 | 0000:05:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 03:00.0 |
| vmnic1 | 0000:06:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 04:00.0 |
| vmnic2 | 0000:07:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 05:00.0 |
| vmnic3 | 0000:08:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 06:00.0 |
| vmnic4 | 0000:09:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 07:00.0 |
| vmnic5 | 0000:0a:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 08:00.0 |
| vmnic6 | 0000:0b:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 09:00.0 |
| vmnic7 | 0000:0c:00.0 | Ethernet controller | Cisco VIC Ethernet NIC | Cisco Systems Inc | SlotID:MLOM; relative bdf 0a:00.0 |

##### 1.4.14.1.3 PCI Devices Drivers & Firmware

| VMkernel Name | Device Name | Driver | Driver Version | Firmware Version | VIB Name | VIB Version |
| --- | --- | --- | --- | --- | --- | --- |
| vmhba0 | Wellsburg AHCI Controller | vmw\_ahci | 1.2.3-1vmw.670.1.28.10302608 | N/A | vmw-ahci | 1.2.3-1vmw.670.1.28.10302608 |
| vmhba1 | Fusion-MPT 12GSAS SAS3108\_1 PCI-Express | pciPassthru |  | N/A |  |  |
| vmhba32 | C610/X99 series chipset USB Enhanced Host Controller #1 | vmkusb | 0.1-1vmw.670.1.28.10302608 | N/A | vmkusb | 0.1-1vmw.670.1.28.10302608 |
| vmnic0 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic1 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic2 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic3 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic4 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic5 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic6 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |
| vmnic7 | Cisco VIC Ethernet NIC | nenic | 1.0.27.0-1OEM.670.0.0.8169922 | 4.3(1b) | nenic | 1.0.27.0-1OEM.670.0.0.8169922 |

#### 1.4.14.2 System

The following section provides information on the host system configuration of hxesxi1.cloudlab.local.

##### 1.4.14.2.1 Licensing

| License Type | License Key |
| --- | --- |
| Evaluation Mode | \*\*\*\*\*-\*\*\*\*\*-\*\*\*\*\*-00000-00000 |

##### 1.4.14.2.2 Image Profile

| Image Profile | Vendor | Installation Date |
| --- | --- | --- |
| (Updated) HX-ESXi-6.7U1-11675023-Cisco-Custom-6.7.1.3 | Cisco | 1/31/2019 8:25:53 AM |

##### 1.4.14.2.3 Time Configuration

| Time Zone | NTP Service Running | NTP Server(s) |
| --- | --- | --- |
| UTC | True | pool.ntp.org |

#### 1.4.14.3 Storage

The following section provides information on the host storage configuration of hxesxi1.cloudlab.local.

##### 1.4.14.3.1 Datastores

| Name | Type | Version | # of VMs | Total Capacity GB | Used Capacity GB | Free Space GB | % Used |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SpringpathDS-FCH2033V361 | VMFS | 5.61 | 1 | 111.75 | 109.59 | 2.16 | 98.07 |

#### 1.4.14.4 Network

The following section provides information on the host network configuration of hxesxi1.cloudlab.local.

|  |  |
| --- | --- |
| VMHost | hxesxi1.cloudlab.local |
| Virtual Switches | vswitch-hx-inband-mgmt, vswitch-hx-vm-network, vmotion, vswitch-hx-storage-data |
| VMkernel Adapters | vmk0, vmk1, vmk2 |
| Physical Adapters | vmnic0, vmnic1, vmnic2, vmnic3, vmnic4, vmnic5, vmnic6, vmnic7 |
| VMkernel Gateway | 172.31.192.1 |
| IPv6 Enabled | True |
| VMkernel IPv6 Gateway |  |
| DNS Servers | 172.31.192.25 |
| Host Name | HX-Svr1-Mgt |
| Domain Name | cloudlab.local |
| Search Domain | cloudlab.local |

##### 1.4.14.4.1 Physical Adapters

The following table details the physical network adapters for hxesxi1.cloudlab.local.

| Device Name | MAC Address | Bitrate/Second | Full Duplex | Wake on LAN Support |
| --- | --- | --- | --- | --- |
| vmnic0 | 00:25:b5:cc:a1:01 | 10000 | True | False |
| vmnic1 | 00:25:b5:cc:a3:01 | 10000 | True | False |
| vmnic2 | 00:25:b5:cc:a5:01 | 10000 | True | False |
| vmnic3 | 00:25:b5:cc:a7:01 | 10000 | True | False |
| vmnic4 | 00:25:b5:cc:b2:01 | 10000 | True | False |
| vmnic5 | 00:25:b5:cc:b4:01 | 10000 | True | False |
| vmnic6 | 00:25:b5:cc:b6:01 | 10000 | True | False |
| vmnic7 | 00:25:b5:cc:b8:01 | 10000 | True | False |

##### 1.4.14.4.2 Cisco Discovery Protocol

| NIC | Connected | Switch | Hardware Platform | Port ID |
| --- | --- | --- | --- | --- |
| vmnic0 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1045 |
| vmnic1 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1046 |
| vmnic2 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1047 |
| vmnic3 | True | hyperflex-fi-a-A(SSI201802VG) | UCS-FI-6248UP | Vethernet1048 |
| vmnic4 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1049 |
| vmnic5 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1050 |
| vmnic6 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1051 |
| vmnic7 | True | hyperflex-fi-a-B(SSI201801E2) | UCS-FI-6248UP | Vethernet1052 |

##### 1.4.14.4.3 VMkernel Adapters

The following table details the VMkernel adapters for hxesxi1.cloudlab.local

|  |  |
| --- | --- |
| Device Name | vmk0 |
| Network Label | Management Network |
| MTU | 1500 |
| MAC Address | 00:50:56:62:22:15 |
| IP Address | 172.31.192.51 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | True |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk1 |
| Network Label | Storage Hypervisor Data Network |
| MTU | 9000 |
| MAC Address | 00:50:56:6a:61:58 |
| IP Address | 192.168.31.51 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | False |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

|  |  |
| --- | --- |
| Device Name | vmk2 |
| Network Label | vmotion-21 |
| MTU | 9000 |
| MAC Address | 00:50:56:6c:84:1e |
| IP Address | 192.168.200.51 |
| Subnet Mask | 255.255.255.0 |
| vMotion Traffic | True |
| FT Logging | False |
| Management Traffic | False |
| vSAN Traffic | False |

##### 1.4.14.4.4 Standard Virtual Switches

The following sections detail the standard virtual switch configuration for hxesxi1.cloudlab.local.

|  |  |
| --- | --- |
| Name | vmotion |
| MTU | 9000 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic3 |
| Standby NICs | vmnic7 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-inband-mgmt |
| MTU | 1500 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic0 |
| Standby NICs | vmnic4 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-storage-data |
| MTU | 9000 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic5 |
| Standby NICs | vmnic1 |
| Unused NICs |  |

|  |  |
| --- | --- |
| Name | vswitch-hx-vm-network |
| MTU | 1500 |
| Number of Ports | 10496 |
| Number of Ports Available | 10469 |
| Load Balancing | LoadBalanceSrcId |
| Failover Detection | LinkStatus |
| Notify Switches | True |
| Failback Enabled | True |
| Active NICs | vmnic2, vmnic6 |
| Standby NICs |  |
| Unused NICs |  |

##### 1.4.14.4.5 Virtual Switch Security Policy

| vSwitch | MAC Address Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- |
| vmotion | False | False | False |
| vswitch-hx-inband-mgmt | False | False | False |
| vswitch-hx-storage-data | False | False | False |
| vswitch-hx-vm-network | False | False | False |

##### 1.4.14.4.6 Virtual Switch NIC Teaming

| vSwitch | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- |
| vmotion | LoadBalanceSrcId | LinkStatus | True | True | vmnic3 | vmnic7 |  |
| vswitch-hx-inband-mgmt | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-storage-data | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-vm-network | LoadBalanceSrcId | LinkStatus | True | True | vmnic2vmnic6 |  |  |

##### 1.4.14.4.7 Virtual Port Groups

| vSwitch | Portgroup | VLAN ID | # of VMs |
| --- | --- | --- | --- |
| vmotion | vmotion-21 | 21 | 0 |
| vswitch-hx-inband-mgmt | Management Network | 965 | 0 |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | 965 | 1 |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | 0 | 1 |
| vswitch-hx-storage-data | Storage Controller Data Network | 31 | 1 |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | 31 | 0 |
| vswitch-hx-vm-network | vm-network-965 | 965 | 0 |

##### 1.4.14.4.8 Virtual Port Group Security Policy

| vSwitch | Portgroup | MAC Changes | Forged Transmits | Promiscuous Mode |
| --- | --- | --- | --- | --- |
| vmotion | vmotion-21 | False | False | False |
| vswitch-hx-inband-mgmt | Management Network | False | False | False |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | False | False | False |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | False | False | False |
| vswitch-hx-storage-data | Storage Controller Data Network | False | False | False |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | False | False | False |
| vswitch-hx-vm-network | vm-network-965 | False | False | False |

##### 1.4.14.4.9 Virtual Port Group NIC Teaming

| vSwitch | Portgroup | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active NICs | Standby NICs | Unused NICs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vmotion | vmotion-21 | LoadBalanceSrcId | LinkStatus | True | True | vmnic3 | vmnic7 |  |
| vswitch-hx-inband-mgmt | Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-inband-mgmt | Storage Controller Management Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-inband-mgmt | Storage Controller Replication Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic0 | vmnic4 |  |
| vswitch-hx-storage-data | Storage Controller Data Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-storage-data | Storage Hypervisor Data Network | LoadBalanceSrcId | LinkStatus | True | True | vmnic5 | vmnic1 |  |
| vswitch-hx-vm-network | vm-network-965 | LoadBalanceSrcId | LinkStatus | True | True | vmnic2vmnic6 |  |  |

#### 1.4.14.5 Security

The following section provides information on the host security configuration of hxesxi1.cloudlab.local.

##### 1.4.14.5.1 Lockdown Mode

|  |  |
| --- | --- |
| Lockdown Mode | False |

##### 1.4.14.5.2 Services

| Name | Label | Policy | Running | Required |
| --- | --- | --- | --- | --- |
| DCUI | Direct Console UI | on | True | False |
| lbtd | Load-Based Teaming Daemon | on | True | False |
| lwsmd | Active Directory Service | off | False | False |
| ntpd | NTP Daemon | on | True | False |
| pcscd | PC/SC Smart Card Daemon | off | False | False |
| scvmclient | scvmclient | on | True | False |
| sfcbd-watchdog | CIM Server | on | False | False |
| snmpd | SNMP Server | on | False | False |
| stHypervisorSvc | stHypervisorSvc | on | True | False |
| TSM | ESXi Shell | on | True | False |
| TSM-SSH | SSH | on | True | False |
| vmsyslogd | Syslog Server | on | True | True |
| vmware-fdm | vSphere High Availability Agent | on | True | False |
| vpxa | VMware vCenter Agent | on | True | False |
| xorg | X.Org Server | on | False | False |

## 1.5 Distributed Virtual Switches

The following section provides information on the Distributed Virtual Switches managed by vCenter Server vcenter01.cloudlab.local.

### 1.5.1 VMware HCIA Distributed Switch VxRail e81213

#### 1.5.1.1 General Properties

|  |  |
| --- | --- |
| Name | VMware HCIA Distributed Switch VxRail e81213 |
| Id | VmwareDistributedVirtualSwitch-dvs-16482 |
| Datacenter | CloudLab |
| Manufacturer | VMware, Inc. |
| Version | 6.6.0 |
| Number of Uplinks | 2 |
| Number of Ports | 24584 |
| Number of Hosts | 4 |
| Number of VMs | 2 |
| MTU | 1500 |
| Network I/O Control Enabled | True |
| Discovery Protocol | CDP |
| Discovery Protocol Operation | Listen |
| Hosts | aosvxrailesxi-01.cloudlab.local, aosvxrailesxi-02.cloudlab.local, aosvxrailesxi-03.cloudlab.local, aosvxrailesxi-04.cloudlab.local |
| Virtual Machines | DPPROXY04, VxRail Manager |

#### 1.5.1.2 Uplinks

| VDSwitch | VM Host | Uplink Name | Physical Network Adapter | Uplink Port Group |
| --- | --- | --- | --- | --- |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-01.cloudlab.local | uplink1 | vmnic0 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-01.cloudlab.local | uplink2 | vmnic1 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-02.cloudlab.local | uplink1 | vmnic0 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-02.cloudlab.local | uplink2 | vmnic1 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-03.cloudlab.local | uplink1 | vmnic0 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-03.cloudlab.local | uplink2 | vmnic1 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-04.cloudlab.local | uplink1 | vmnic0 | VMware HCIA Dist-DVUplinks-16482 |
| VMware HCIA Distributed Switch VxRail e81213 | aosvxrailesxi-04.cloudlab.local | uplink2 | vmnic1 | VMware HCIA Dist-DVUplinks-16482 |

#### 1.5.1.3 Security

| VDSwitch | Allow Promiscuous | Forged Transmits | MAC Address Changes |
| --- | --- | --- | --- |
| VMware HCIA Distributed Switch VxRail e81213 | False | False | False |

#### 1.5.1.4 Traffic Shaping

| VDSwitch | Direction | Enabled | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- | --- |
| VMware HCIA Distributed Switch VxRail e81213 | In | False | 100000000 | 100000000 | 104857600 |
| VMware HCIA Distributed Switch VxRail e81213 | Out | False | 100000000 | 100000000 | 104857600 |

#### 1.5.1.5 Port Groups

| VDSwitch | Portgroup | Datacenter | VLAN Configuration | Port Binding | # of Ports |
| --- | --- | --- | --- | --- | --- |
| VMware HCIA Distributed Switch VxRail e81213 | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | CloudLab |  | Static | 4096 |
| VMware HCIA Distributed Switch VxRail e81213 | vCenter Server Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | CloudLab |  | Static | 4096 |
| VMware HCIA Distributed Switch VxRail e81213 | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | CloudLab | VLAN 30 | Static | 4096 |
| VMware HCIA Distributed Switch VxRail e81213 | VMware HCIA Dist-DVUplinks-16482 | CloudLab | VLAN Trunk [0-4094] | Static | 8 |
| VMware HCIA Distributed Switch VxRail e81213 | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | CloudLab | VLAN 20 | Static | 4096 |
| VMware HCIA Distributed Switch VxRail e81213 | VxR\_965 | CloudLab |  | Static | 4096 |
| VMware HCIA Distributed Switch VxRail e81213 | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | CloudLab | VLAN 3939 | Static | 4096 |

##### 1.5.1.6 Port Group Security

| VDSwitch | Port Group | Allow Promiscuous | Forged Transmits | MAC Address Changes |
| --- | --- | --- | --- | --- |
| VMware HCIA Distributed Switch VxRail e81213 | VxR\_965 | False | False | False |
| VMware HCIA Distributed Switch VxRail e81213 | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | False | False | False |
| VMware HCIA Distributed Switch VxRail e81213 | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | False | False | False |
| VMware HCIA Distributed Switch VxRail e81213 | vCenter Server Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | False | False | False |
| VMware HCIA Distributed Switch VxRail e81213 | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | False | False | False |
| VMware HCIA Distributed Switch VxRail e81213 | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | False | False | False |
| VMware HCIA Distributed Switch VxRail e81213 | VMware HCIA Dist-DVUplinks-16482 | False | True | False |

##### 1.5.1.7 Port Group NIC Teaming

| VDSwitch | Port Group | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active Uplinks | Standby Uplinks | Unused Uplinks |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| VMware HCIA Distributed Switch VxRail e81213 | Management Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | LoadBalanceSrcId | LinkStatus | True | True | uplink1 | uplink2 |  |
| VMware HCIA Distributed Switch VxRail e81213 | vCenter Server Network-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | LoadBalanceSrcId | LinkStatus | True | True | uplink1 | uplink2 |  |
| VMware HCIA Distributed Switch VxRail e81213 | Virtual SAN-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | LoadBalanceSrcId | LinkStatus | True | True | uplink2 | uplink1 |  |
| VMware HCIA Distributed Switch VxRail e81213 | VMware HCIA Dist-DVUplinks-16482 | LoadBalanceSrcId | LinkStatus | True | True |  |  | uplink1uplink2 |
| VMware HCIA Distributed Switch VxRail e81213 | vSphere vMotion-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | LoadBalanceSrcId | LinkStatus | True | True | uplink1 | uplink2 |  |
| VMware HCIA Distributed Switch VxRail e81213 | VxR\_965 | LoadBalanceSrcId | LinkStatus | True | True | uplink1 | uplink2 |  |
| VMware HCIA Distributed Switch VxRail e81213 | VxRail Management-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 | LoadBalanceSrcId | LinkStatus | True | True | uplink1 | uplink2 |  |

### 1.5.2 DCA-PROD vDS MGMT Cluster

#### 1.5.2.1 General Properties

|  |  |
| --- | --- |
| Name | DCA-PROD vDS MGMT Cluster |
| Id | VmwareDistributedVirtualSwitch-dvs-841 |
| Datacenter | CloudLab |
| Manufacturer | VMware, Inc. |
| Version | 6.0.0 |
| Number of Uplinks | 2 |
| Number of Ports | 20590 |
| Number of Hosts | 6 |
| Number of VMs | 56 |
| MTU | 1500 |
| Network I/O Control Enabled | True |
| Discovery Protocol | CDP |
| Discovery Protocol Operation | Both |
| Hosts | 172.31.100.111, 172.31.100.112, 172.31.100.113, 172.31.100.20, 172.31.100.21, 172.31.100.22 |
| Virtual Machines | ACISIM-3-0-2h, aos-pub-cloud-vpn-01, aos-pub-cloud-vpn-02, APIC-EM-01, APIC-EM-02, CIMC-SUP-01, Cisco-HX-Data-Platform-Installer-v3.5.2a-31601-esx\_SHA1\_signed, ciscovmprofiler, Cisco-VSUM, Cohesity-Pri, Cohesity-Sec, DC1, DC2, DPDPROXY01, DPPROXY02, DPPROXY03, EVE Community Edition, EVE-PRO-VM-v20, InsightIQ, ISILON\_NODE\_1, ISILON\_NODE\_2, ISILON\_NODE\_3, ISILON\_NODE\_4, KTCHN-SNK-01, Linux-MGMT, MGMT01, MGMT02, MIM-PAM-CLT1, MIM-PAM-DC1, MIM-PAM-IDM1, NFM-DEV-01, Salient-Demo, SysTrackVMP, TrendDS, TrendOSCE, TrendTMVP, UCSD (172.31.192.249), UCSD-BMA (172.31.192.248), UMBRELLA-01, UMBRELLA-02, vAPIC\_v1-2-1, VEEAM1, vmw-cc-mgr-01, vmw-cc-mon-01, vmw-cc-orc-01, vmw-cc-rab-01, vRealize Operations Manager Appliance, vRNI-Mgr, vRNI-Proxy, vxms-master-ova-vA.3.0v2, Win10-MGMT, Win10-Test, Win2012R2\_Template, ZERTO-MGR01, Z-VRA-172.31.100.20, Z-VRA-172.31.100.21 |

#### 1.5.2.2 Uplinks

| VDSwitch | VM Host | Uplink Name | Physical Network Adapter | Uplink Port Group |
| --- | --- | --- | --- | --- |
| DCA-PROD vDS MGMT Cluster | 172.31.100.111 | Uplink 1 | vmnic2 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.111 | Uplink 2 | vmnic3 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.112 | Uplink 1 | vmnic3 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.112 | Uplink 2 | vmnic2 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.113 | Uplink 1 | vmnic2 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.113 | Uplink 2 | vmnic3 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.20 | Uplink 1 | vmnic0 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.20 | Uplink 2 | vmnic2 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.21 | Uplink 1 | vmnic0 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.21 | Uplink 2 | vmnic2 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.22 | Uplink 1 | vmnic0 | DCA-PROD vDS MGM-DVUplinks-841 |
| DCA-PROD vDS MGMT Cluster | 172.31.100.22 | Uplink 2 | vmnic2 | DCA-PROD vDS MGM-DVUplinks-841 |

#### 1.5.2.3 Security

| VDSwitch | Allow Promiscuous | Forged Transmits | MAC Address Changes |
| --- | --- | --- | --- |
| DCA-PROD vDS MGMT Cluster | False | False | False |

#### 1.5.2.4 Traffic Shaping

| VDSwitch | Direction | Enabled | Average Bandwidth (kbit/s) | Peak Bandwidth (kbit/s) | Burst Size (KB) |
| --- | --- | --- | --- | --- | --- |
| DCA-PROD vDS MGMT Cluster | In | False | 100000000 | 100000000 | 104857600 |
| DCA-PROD vDS MGMT Cluster | Out | False | 100000000 | 100000000 | 104857600 |

#### 1.5.2.5 Port Groups

| VDSwitch | Portgroup | Datacenter | VLAN Configuration | Port Binding | # of Ports |
| --- | --- | --- | --- | --- | --- |
| DCA-PROD vDS MGMT Cluster | CSR\_LAN1-V501 | CloudLab | VLAN 501 | Static | 8 |
| DCA-PROD vDS MGMT Cluster | CSR\_LAN2-V502 | CloudLab | VLAN 502 | Static | 8 |
| DCA-PROD vDS MGMT Cluster | DCA-PROD vDS MGM-DVUplinks-841 | CloudLab | VLAN Trunk [0-4094] | Static | 12 |
| DCA-PROD vDS MGMT Cluster | DMZ\_V599 | CloudLab | VLAN 599 | Static | 8 |
| DCA-PROD vDS MGMT Cluster | ESX\_MGMT\_NATIVE | CloudLab |  | Static | 4096 |
| DCA-PROD vDS MGMT Cluster | iSCSI v950 | CloudLab | VLAN 950 | Static | 8 |
| DCA-PROD vDS MGMT Cluster | iSCSI V951 | CloudLab | VLAN 951 | Static | 8 |
| DCA-PROD vDS MGMT Cluster | iSCSI\_V40 | CloudLab | VLAN 40 | Static | 4096 |
| DCA-PROD vDS MGMT Cluster | iSCSI\_V50 | CloudLab | VLAN 50 | Static | 4096 |
| DCA-PROD vDS MGMT Cluster | Lab\_V1000 | CloudLab |  | Static | 24 |
| DCA-PROD vDS MGMT Cluster | PXE\_V199 | CloudLab | VLAN 199 | Static | 20 |
| DCA-PROD vDS MGMT Cluster | vMotion\_V20 | CloudLab | VLAN 20 | Static | 4096 |
| DCA-PROD vDS MGMT Cluster | VMs\_V248 | CloudLab | VLAN 248 | Static | 14 |
| DCA-PROD vDS MGMT Cluster | VMs\_V965 | CloudLab | VLAN 965 | Static | 4096 |

##### 1.5.2.6 Port Group Security

| VDSwitch | Port Group | Allow Promiscuous | Forged Transmits | MAC Address Changes |
| --- | --- | --- | --- | --- |
| DCA-PROD vDS MGMT Cluster | iSCSI V951 | False | False | False |
| DCA-PROD vDS MGMT Cluster | iSCSI v950 | False | False | False |
| DCA-PROD vDS MGMT Cluster | ESX\_MGMT\_NATIVE | False | False | False |
| DCA-PROD vDS MGMT Cluster | PXE\_V199 | False | False | False |
| DCA-PROD vDS MGMT Cluster | DCA-PROD vDS MGM-DVUplinks-841 | False | True | False |
| DCA-PROD vDS MGMT Cluster | VMs\_V248 | False | False | False |
| DCA-PROD vDS MGMT Cluster | CSR\_LAN1-V501 | False | False | False |
| DCA-PROD vDS MGMT Cluster | vMotion\_V20 | False | False | False |
| DCA-PROD vDS MGMT Cluster | CSR\_LAN2-V502 | False | False | False |
| DCA-PROD vDS MGMT Cluster | iSCSI\_V50 | False | False | False |
| DCA-PROD vDS MGMT Cluster | Lab\_V1000 | True | False | True |
| DCA-PROD vDS MGMT Cluster | VMs\_V965 | False | False | False |
| DCA-PROD vDS MGMT Cluster | DMZ\_V599 | False | False | False |
| DCA-PROD vDS MGMT Cluster | iSCSI\_V40 | False | False | False |

##### 1.5.2.7 Port Group NIC Teaming

| VDSwitch | Port Group | Load Balancing | Failover Detection | Notify Switches | Failback Enabled | Active Uplinks | Standby Uplinks | Unused Uplinks |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DCA-PROD vDS MGMT Cluster | CSR\_LAN1-V501 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | CSR\_LAN2-V502 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | DCA-PROD vDS MGM-DVUplinks-841 | LoadBalanceSrcId | LinkStatus | True | True |  |  | Uplink 1Uplink 2 |
| DCA-PROD vDS MGMT Cluster | DMZ\_V599 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | ESX\_MGMT\_NATIVE | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | iSCSI v950 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1 |  | Uplink 2 |
| DCA-PROD vDS MGMT Cluster | iSCSI V951 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 2 |  | Uplink 1 |
| DCA-PROD vDS MGMT Cluster | iSCSI\_V40 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1 |  | Uplink 2 |
| DCA-PROD vDS MGMT Cluster | iSCSI\_V50 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 2 |  | Uplink 1 |
| DCA-PROD vDS MGMT Cluster | Lab\_V1000 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | PXE\_V199 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | vMotion\_V20 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | VMs\_V248 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |
| DCA-PROD vDS MGMT Cluster | VMs\_V965 | LoadBalanceSrcId | LinkStatus | True | True | Uplink 1Uplink 2 |  |  |

## 1.6 vSAN

The following section provides information on the vSAN managed by vCenter Server vcenter01.cloudlab.local.

### 1.6.1 VxRail

|  |  |
| --- | --- |
| Name | VxRail |
| Id | ClusterComputeResource-domain-c16469 |
| Type | All-Flash |
| Version |  |
| Number of Hosts | 4 |
| Stretched Cluster | False |
| Disk Format Version | 7 |
| Total Number of Disks | 4 |
| Total Number of Disk Groups | 4 |
| Disk Claim Mode | Manual |
| Deduplication and Compression | False |
| Encryption Enabled | False |
| Health Check Enabled | True |
| HCL Last Updated | 3/20/2019 6:05:00 AM |

## 1.7 Datastores

The following section provides information on datastores managed by vCenter Server vcenter01.cloudlab.local.

### 1.7.1 PURE-DS1-LUN20

|  |  |
| --- | --- |
| Name | PURE-DS1-LUN20 |
| Id | Datastore-datastore-16965 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 1023.75 GB |
| Used Capacity | 1.42 GB |
| Free Space | 1022.33 GB |
| % Used | 0.14 |

#### 1.7.1.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.624a9370ba2c8c82a38d4fef00011010 | 1024 | PURE | FlashArray | True | Round Robin |
| 172.31.100.21 | naa.624a9370ba2c8c82a38d4fef00011010 | 1024 | PURE | FlashArray | True | Round Robin |
| 172.31.100.22 | naa.624a9370ba2c8c82a38d4fef00011010 | 1024 | PURE | FlashArray | True | Round Robin |

### 1.7.2 QCFVR161264002-04-03-service-datastore1

|  |  |
| --- | --- |
| Name | QCFVR161264002-04-03-service-datastore1 |
| Id | Datastore-datastore-16479 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 52 GB |
| Used Capacity | 10.67 GB |
| Free Space | 41.33 GB |
| % Used | 20.51 |

### 1.7.3 QCFVR161264002-04-02-service-datastore1

|  |  |
| --- | --- |
| Name | QCFVR161264002-04-02-service-datastore1 |
| Id | Datastore-datastore-16477 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 52 GB |
| Used Capacity | 10.67 GB |
| Free Space | 41.33 GB |
| % Used | 20.51 |

### 1.7.4 QCFVR161264002-04-01-service-datastore1

|  |  |
| --- | --- |
| Name | QCFVR161264002-04-01-service-datastore1 |
| Id | Datastore-datastore-16472 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 52 GB |
| Used Capacity | 11.18 GB |
| Free Space | 40.82 GB |
| % Used | 21.49 |

### 1.7.5 NimbleCS500-DS1

|  |  |
| --- | --- |
| Name | NimbleCS500-DS1 |
| Id | Datastore-datastore-890 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 1 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 801.57 GB |
| Free Space | 1246.18 GB |
| % Used | 39.14 |

#### 1.7.5.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.111 | eui.ffd10d0395d365466c9ce90000a089c9 | 2048 | Nimble | Server | True |  |
| 172.31.100.112 | eui.ffd10d0395d365466c9ce90000a089c9 | 2048 | Nimble | Server | True | Round Robin |
| 172.31.100.113 | eui.ffd10d0395d365466c9ce90000a089c9 | 2048 | Nimble | Server | True |  |

### 1.7.6 VxRail-Virtual-SAN-Datastore-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6

|  |  |
| --- | --- |
| Name | VxRail-Virtual-SAN-Datastore-e81213fb-e73b-4c4b-8d51-91aabdb4ffa6 |
| Id | Datastore-datastore-16473 |
| Datacenter | CloudLab |
| Type | vsan |
| Version |  |
| State | Available |
| Number of Hosts | 4 |
| Number of VMs | 2 |
| SIOC Enabled | False |
| Congestion Threshold (ms) |  |
| Total Capacity | 13413.66 GB |
| Used Capacity | 261.23 GB |
| Free Space | 13152.43 GB |
| % Used | 1.95 |

### 1.7.7 DCA-UCS01\_LOCAL

|  |  |
| --- | --- |
| Name | DCA-UCS01\_LOCAL |
| Id | Datastore-datastore-12 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 1 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2783.75 GB |
| Used Capacity | 32.03 GB |
| Free Space | 2751.72 GB |
| % Used | 1.15 |

### 1.7.8 datastore1 (3)

|  |  |
| --- | --- |
| Name | datastore1 (3) |
| Id | Datastore-datastore-15555 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2.5 GB |
| Used Capacity | 1.41 GB |
| Free Space | 1.09 GB |
| % Used | 56.21 |

#### 1.7.8.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.23 | naa.514f0c586060000a | 10 | XtremIO | XtremApp | True | Round Robin |

### 1.7.9 XtremIO-Lab\_Mgmt

|  |  |
| --- | --- |
| Name | XtremIO-Lab\_Mgmt |
| Id | Datastore-datastore-10076 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 3 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 3071.75 GB |
| Used Capacity | 804.63 GB |
| Free Space | 2267.12 GB |
| % Used | 26.19 |

#### 1.7.9.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.514f0c5860600002 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.21 | naa.514f0c5860600002 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.22 | naa.514f0c5860600002 | 3072 | XtremIO | XtremApp | True | Round Robin |

### 1.7.10 NimbleAF-DS1

|  |  |
| --- | --- |
| Name | NimbleAF-DS1 |
| Id | Datastore-datastore-801 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 6 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 1195.06 GB |
| Free Space | 852.69 GB |
| % Used | 58.36 |

#### 1.7.10.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.111 | eui.b1b212f8417949b26c9ce90081e41309 | 2048 | Nimble | Server | True |  |
| 172.31.100.112 | eui.b1b212f8417949b26c9ce90081e41309 | 2048 | Nimble | Server | True | Round Robin |
| 172.31.100.113 | eui.b1b212f8417949b26c9ce90081e41309 | 2048 | Nimble | Server | True |  |

### 1.7.11 datastore1 (2)

|  |  |
| --- | --- |
| Name | datastore1 (2) |
| Id | Datastore-datastore-15878 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2.5 GB |
| Used Capacity | 0.58 GB |
| Free Space | 1.92 GB |
| % Used | 23.36 |

#### 1.7.11.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.22 | naa.514f0c5860600007 | 10 | XtremIO | XtremApp | True | Round Robin |

### 1.7.12 XtremIO\_UCSBlades\_VMFS1

|  |  |
| --- | --- |
| Name | XtremIO\_UCSBlades\_VMFS1 |
| Id | Datastore-datastore-9865 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 8 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 1080.71 GB |
| Free Space | 967.04 GB |
| % Used | 52.78 |

#### 1.7.12.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.514f0c5860600005 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.21 | naa.514f0c5860600005 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.22 | naa.514f0c5860600005 | 2048 | XtremIO | XtremApp | True | Round Robin |

### 1.7.13 drsesxi03-local

|  |  |
| --- | --- |
| Name | drsesxi03-local |
| Id | Datastore-datastore-15554 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.60 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 271 GB |
| Used Capacity | 5.57 GB |
| Free Space | 265.43 GB |
| % Used | 2.05 |

### 1.7.14 NimbleAF-DS3

|  |  |
| --- | --- |
| Name | NimbleAF-DS3 |
| Id | Datastore-datastore-12534 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 3 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2048 GB |
| Used Capacity | 1748.29 GB |
| Free Space | 299.71 GB |
| % Used | 85.37 |

#### 1.7.14.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.111 | eui.0a5ff83c70c6a7fd6c9ce90081e41309 | 2048.25 | Nimble | Server | True |  |
| 172.31.100.112 | eui.0a5ff83c70c6a7fd6c9ce90081e41309 | 2048.25 | Nimble | Server | True | Round Robin |
| 172.31.100.113 | eui.0a5ff83c70c6a7fd6c9ce90081e41309 | 2048.25 | Nimble | Server | True |  |

### 1.7.15 XtremIO\_UCSBlades\_VMFS3

|  |  |
| --- | --- |
| Name | XtremIO\_UCSBlades\_VMFS3 |
| Id | Datastore-datastore-11688 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 3 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 302.85 GB |
| Free Space | 1744.90 GB |
| % Used | 14.79 |

#### 1.7.15.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.514f0c5860600008 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.21 | naa.514f0c5860600008 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.22 | naa.514f0c5860600008 | 2048 | XtremIO | XtremApp | True | Round Robin |

### 1.7.16 SpringpathDS-FCH2033V2G7

|  |  |
| --- | --- |
| Name | SpringpathDS-FCH2033V2G7 |
| Id | Datastore-datastore-15926 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 1 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 111.75 GB |
| Used Capacity | 109.60 GB |
| Free Space | 2.15 GB |
| % Used | 98.07 |

### 1.7.17 XtremIO\_UCSBlades\_VMFS2

|  |  |
| --- | --- |
| Name | XtremIO\_UCSBlades\_VMFS2 |
| Id | Datastore-datastore-9866 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 7 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 334.67 GB |
| Free Space | 1713.08 GB |
| % Used | 16.34 |

#### 1.7.17.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.514f0c5860600006 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.21 | naa.514f0c5860600006 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.22 | naa.514f0c5860600006 | 2048 | XtremIO | XtremApp | True | Round Robin |

### 1.7.18 QCFVR161264002-04-04-service-datastore1

|  |  |
| --- | --- |
| Name | QCFVR161264002-04-04-service-datastore1 |
| Id | Datastore-datastore-16481 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 6.82 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 52 GB |
| Used Capacity | 10.67 GB |
| Free Space | 41.33 GB |
| % Used | 20.51 |

### 1.7.19 datastore1

|  |  |
| --- | --- |
| Name | datastore1 |
| Id | Datastore-datastore-9864 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2.5 GB |
| Used Capacity | 0.58 GB |
| Free Space | 1.92 GB |
| % Used | 23.36 |

#### 1.7.19.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.514f0c5860600003 | 10 | XtremIO | XtremApp | True | Round Robin |

### 1.7.20 SpringpathDS-FCH2033V361

|  |  |
| --- | --- |
| Name | SpringpathDS-FCH2033V361 |
| Id | Datastore-datastore-15923 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 1 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 111.75 GB |
| Used Capacity | 109.59 GB |
| Free Space | 2.16 GB |
| % Used | 98.07 |

### 1.7.21 SpringpathDS-FCH2033V30R

|  |  |
| --- | --- |
| Name | SpringpathDS-FCH2033V30R |
| Id | Datastore-datastore-15916 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 1 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 111.75 GB |
| Used Capacity | 109.60 GB |
| Free Space | 2.15 GB |
| % Used | 98.07 |

### 1.7.22 DCA-UCS02\_LOCAL

|  |  |
| --- | --- |
| Name | DCA-UCS02\_LOCAL |
| Id | Datastore-datastore-38 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.58 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2786.25 GB |
| Used Capacity | 209.45 GB |
| Free Space | 2576.80 GB |
| % Used | 7.52 |

### 1.7.23 NimbleAF-DS2

|  |  |
| --- | --- |
| Name | NimbleAF-DS2 |
| Id | Datastore-datastore-811 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 4 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 142.75 GB |
| Free Space | 1905.00 GB |
| % Used | 6.97 |

#### 1.7.23.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.111 | eui.3e87df490685d0d26c9ce90081e41309 | 2048 | Nimble | Server | True |  |
| 172.31.100.112 | eui.3e87df490685d0d26c9ce90081e41309 | 2048 | Nimble | Server | True | Round Robin |
| 172.31.100.113 | eui.3e87df490685d0d26c9ce90081e41309 | 2048 | Nimble | Server | True |  |

### 1.7.24 datastore1 (1)

|  |  |
| --- | --- |
| Name | datastore1 (1) |
| Id | Datastore-datastore-9871 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2.5 GB |
| Used Capacity | 0.58 GB |
| Free Space | 1.92 GB |
| % Used | 23.36 |

#### 1.7.24.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.21 | naa.514f0c5860600004 | 10 | XtremIO | XtremApp | True | Round Robin |

### 1.7.25 XtremIO\_UCSBlades\_VMFS4

|  |  |
| --- | --- |
| Name | XtremIO\_UCSBlades\_VMFS4 |
| Id | Datastore-datastore-14656 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 3 |
| Number of VMs | 6 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 2047.75 GB |
| Used Capacity | 1279.02 GB |
| Free Space | 768.73 GB |
| % Used | 62.46 |

#### 1.7.25.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.20 | naa.514f0c5860600009 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.21 | naa.514f0c5860600009 | 2048 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.22 | naa.514f0c5860600009 | 2048 | XtremIO | XtremApp | True | Round Robin |

### 1.7.26 DCA-UCS03\_LOCAL

|  |  |
| --- | --- |
| Name | DCA-UCS03\_LOCAL |
| Id | Datastore-datastore-788 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 1 |
| Number of VMs | 0 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 271 GB |
| Used Capacity | 2.60 GB |
| Free Space | 268.40 GB |
| % Used | 0.96 |

### 1.7.27 XtremIO\_LUN1

|  |  |
| --- | --- |
| Name | XtremIO\_LUN1 |
| Id | Datastore-datastore-44 |
| Datacenter | CloudLab |
| Type | VMFS |
| Version | 5.61 |
| State | Available |
| Number of Hosts | 6 |
| Number of VMs | 28 |
| SIOC Enabled | False |
| Congestion Threshold (ms) | 30 |
| Total Capacity | 3071.75 GB |
| Used Capacity | 1456.09 GB |
| Free Space | 1615.66 GB |
| % Used | 47.40 |

#### 1.7.27.1 SCSI LUN Information

| Host | Canonical Name | Capacity GB | Vendor | Model | Is SSD | Multipath Policy |
| --- | --- | --- | --- | --- | --- | --- |
| 172.31.100.111 | naa.514f0c5860600001 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.112 | naa.514f0c5860600001 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.113 | naa.514f0c5860600001 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.20 | naa.514f0c5860600001 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.21 | naa.514f0c5860600001 | 3072 | XtremIO | XtremApp | True | Round Robin |
| 172.31.100.22 | naa.514f0c5860600001 | 3072 | XtremIO | XtremApp | True | Round Robin |

## 1.8 Virtual Machines

The following section provides information on Virtual Machines managed by vCenter Server vcenter01.cloudlab.local.

### 1.8.1 ACISIM-3-0-2h

|  |  |
| --- | --- |
| Name | ACISIM-3-0-2h |
| Id | VirtualMachine-vm-10027 |
| Operating System | Red Hat Enterprise Linux 6 (64-bit) |
| Hardware Version | v9 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 8000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 16 GB |
| Memory Resources | Normal / 163840 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 32.79 GB |
| Provisioned Space | 96.70 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes |  |

### 1.8.2 aos-pub-cloud-vpn-01

|  |  |
| --- | --- |
| Name | aos-pub-cloud-vpn-01 |
| Id | VirtualMachine-vm-201 |
| Operating System | Other 2.6.x Linux (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 2.68 GB |
| Provisioned Space | 12.19 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 4 |
| Notes |  |

### 1.8.3 aos-pub-cloud-vpn-02

|  |  |
| --- | --- |
| Name | aos-pub-cloud-vpn-02 |
| Id | VirtualMachine-vm-867 |
| Operating System | Other 2.6.x Linux (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 5.84 GB |
| Provisioned Space | 12.12 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 4 |
| Notes |  |

### 1.8.4 APIC-EM-01

|  |  |
| --- | --- |
| Name | APIC-EM-01 |
| Id | VirtualMachine-vm-10029 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | DNA |
| vCPUs | 12 |
| Cores per Socket | 6 |
| Total vCPUs | 72 |
| CPU Resources | Normal / 12000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 32 GB |
| Memory Resources | Normal / 327680 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 26.04 GB |
| Provisioned Space | 532.21 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.5 APIC-EM-02

|  |  |
| --- | --- |
| Name | APIC-EM-02 |
| Id | VirtualMachine-vm-10030 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | DNA |
| vCPUs | 12 |
| Cores per Socket | 6 |
| Total vCPUs | 72 |
| CPU Resources | Normal / 12000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 32 GB |
| Memory Resources | Normal / 327680 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 16.45 GB |
| Provisioned Space | 532.21 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.6 CIMC-SUP-01

|  |  |
| --- | --- |
| Name | CIMC-SUP-01 |
| Id | VirtualMachine-vm-9880 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v7 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 12 GB |
| Memory Resources | Normal / 122880 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 22.95 GB |
| Provisioned Space | 112.10 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | Cisco IMC Supervisor 2.1.0.0 Note: It is mandatory to reserve vCPU and Memory as recommended by Installation and Deployment guide. |

### 1.8.7 Cisco-HX-Data-Platform-Installer-v3.5.2a-31601-esx\_SHA1\_signed

|  |  |
| --- | --- |
| Name | Cisco-HX-Data-Platform-Installer-v3.5.2a-31601-esx\_SHA1\_signed |
| Id | VirtualMachine-vm-15887 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | True |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | True |
| vDisks | 1 |
| Used Space | 28.12 GB |
| Provisioned Space | 52.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.8 ciscovmprofiler

|  |  |
| --- | --- |
| Name | ciscovmprofiler |
| Id | VirtualMachine-vm-15518 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.21 |
| Parent | AOSUCSBLADES |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 2 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 109.44 GB |
| Provisioned Space | 208.11 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Initial scan started 1-15-2019 |

### 1.8.9 Cisco-VSUM

|  |  |
| --- | --- |
| Name | Cisco-VSUM |
| Id | VirtualMachine-vm-1124 |
| Operating System | Other Linux (64-bit) |
| Hardware Version | v7 |
| Power State | PoweredOn |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Custom / 4000 |
| CPU Reservation | 1024 |
| CPU Limit | 1024 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Custom / 4000 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 5.71 GB |
| Provisioned Space | 83.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | Cisco Virtual Switch Update Manager |

### 1.8.10 Cohesity-Pri

|  |  |
| --- | --- |
| Name | Cohesity-Pri |
| Id | VirtualMachine-vm-11637 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.21 |
| Parent | AOSUCSBLADES |
| Parent Folder | Cohesity |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 5000 |
| CPU Limit | 5000 MHz |
| CPU Hot Add Enabled | True |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 15.62 GB |
| Memory Resources | Normal / 160000 |
| Memory Hot Add Enabled | True |
| vDisks | 3 |
| Used Space | 614.06 GB |
| Provisioned Space | 614.06 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes | Cohesity DataPlatform Virtual Edition St John -- 4-20-2018 |

### 1.8.11 Cohesity-Sec

|  |  |
| --- | --- |
| Name | Cohesity-Sec |
| Id | VirtualMachine-vm-11641 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | Cohesity |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 5000 |
| CPU Limit | 5000 MHz |
| CPU Hot Add Enabled | True |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 15.62 GB |
| Memory Resources | Normal / 160000 |
| Memory Hot Add Enabled | True |
| vDisks | 3 |
| Used Space | 614.06 GB |
| Provisioned Space | 614.06 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes | Cohesity DataPlatform Virtual Edition St John -- 4-20-2018 |

### 1.8.12 DC1

|  |  |
| --- | --- |
| Name | DC1 |
| Id | VirtualMachine-vm-16107 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 52.53 GB |
| Provisioned Space | 127.84 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | DC for cloudlab.local -- DNS Server 7-06-16 -- D Heinen |

### 1.8.13 DC2

|  |  |
| --- | --- |
| Name | DC2 |
| Id | VirtualMachine-vm-16105 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 27.72 GB |
| Provisioned Space | 104.67 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | DC for cloudlab.local -- DNS Server 7-06-16 -- D Heinen |

### 1.8.14 DPDPROXY01

|  |  |
| --- | --- |
| Name | DPDPROXY01 |
| Id | VirtualMachine-vm-16146 |
| Operating System | SUSE Linux Enterprise 11 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.21 |
| Parent | AOSUCSBLADES |
| Parent Folder | AVAMARPROXY |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 28.63 GB |
| Provisioned Space | 46.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | This is a Linux machine intended for use as an Avamar virtual machine combined proxy. |

### 1.8.15 DPPROXY02

|  |  |
| --- | --- |
| Name | DPPROXY02 |
| Id | VirtualMachine-vm-16150 |
| Operating System | SUSE Linux Enterprise 11 (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | AVAMARPROXY |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 25.11 GB |
| Provisioned Space | 25.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | This is a Linux machine intended for use as an Avamar virtual machine combined proxy. |

### 1.8.16 DPPROXY03

|  |  |
| --- | --- |
| Name | DPPROXY03 |
| Id | VirtualMachine-vm-16149 |
| Operating System | SUSE Linux Enterprise 11 (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | AVAMARPROXY |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 25.11 GB |
| Provisioned Space | 25.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | This is a Linux machine intended for use as an Avamar virtual machine combined proxy. |

### 1.8.17 DPPROXY04

|  |  |
| --- | --- |
| Name | DPPROXY04 |
| Id | VirtualMachine-vm-16542 |
| Operating System | SUSE Linux Enterprise 11 (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | aosvxrailesxi-02.cloudlab.local |
| Parent | VxRail |
| Parent Folder | AVAMARPROXY |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 16.39 GB |
| Provisioned Space | 25.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | This is a Linux machine intended for use as an Avamar virtual machine combined proxy. |

### 1.8.18 EVE Community Edition

|  |  |
| --- | --- |
| Name | EVE Community Edition |
| Id | VirtualMachine-vm-11541 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 64 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 40.00 GB |
| Provisioned Space | 104.20 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.19 EVE-PRO-VM-v20

|  |  |
| --- | --- |
| Name | EVE-PRO-VM-v20 |
| Id | VirtualMachine-vm-11534 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 2 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 6 GB |
| Memory Resources | Normal / 61440 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 40.00 GB |
| Provisioned Space | 46.20 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.20 InsightIQ

|  |  |
| --- | --- |
| Name | InsightIQ |
| Id | VirtualMachine-vm-13406 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.22 |
| Parent | AOSUCSBLADES |
| Parent Folder | ISILON |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 83.14 GB |
| Provisioned Space | 158.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.21 ISILON\_NODE\_1

|  |  |
| --- | --- |
| Name | ISILON\_NODE\_1 |
| Id | VirtualMachine-vm-13265 |
| Operating System | FreeBSD Pre-11 versions (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | ISILON |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 8 |
| Used Space | 43.83 GB |
| Provisioned Space | 43.83 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.22 ISILON\_NODE\_2

|  |  |
| --- | --- |
| Name | ISILON\_NODE\_2 |
| Id | VirtualMachine-vm-13266 |
| Operating System | FreeBSD Pre-11 versions (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | ISILON |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 8 |
| Used Space | 43.83 GB |
| Provisioned Space | 43.83 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.23 ISILON\_NODE\_3

|  |  |
| --- | --- |
| Name | ISILON\_NODE\_3 |
| Id | VirtualMachine-vm-13267 |
| Operating System | FreeBSD Pre-11 versions (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | ISILON |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 8 |
| Used Space | 43.83 GB |
| Provisioned Space | 43.83 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.24 ISILON\_NODE\_4

|  |  |
| --- | --- |
| Name | ISILON\_NODE\_4 |
| Id | VirtualMachine-vm-13268 |
| Operating System | FreeBSD Pre-11 versions (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | ISILON |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 8 |
| Used Space | 43.81 GB |
| Provisioned Space | 43.81 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.25 KTCHN-SNK-01

|  |  |
| --- | --- |
| Name | KTCHN-SNK-01 |
| Id | VirtualMachine-vm-2334 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 64.00 GB |
| Provisioned Space | 68.19 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.26 Linux-MGMT

|  |  |
| --- | --- |
| Name | Linux-MGMT |
| Id | VirtualMachine-vm-11472 |
| Operating System | Red Hat Fedora (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.21 |
| Parent | AOSUCSBLADES |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 104.22 GB |
| Provisioned Space | 204.11 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.27 MGMT01

|  |  |
| --- | --- |
| Name | MGMT01 |
| Id | VirtualMachine-vm-16101 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 355.35 GB |
| Provisioned Space | 950.05 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Generic Windows 2012 R2 Server Loaded on 7-26-16 by St John Tasks: Management |

### 1.8.28 MGMT02

|  |  |
| --- | --- |
| Name | MGMT02 |
| Id | VirtualMachine-vm-16103 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 30.24 GB |
| Provisioned Space | 110.22 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | 2-20-18 - St John Management Server for Cloudlab.local |

### 1.8.29 MIM-PAM-CLT1

|  |  |
| --- | --- |
| Name | MIM-PAM-CLT1 |
| Id | VirtualMachine-vm-9903 |
| Operating System | Microsoft Windows 10 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.22 |
| Parent | AOSUCSBLADES |
| Parent Folder | MIM Demo VM's |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 82.11 GB |
| Provisioned Space | 82.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.30 MIM-PAM-DC1

|  |  |
| --- | --- |
| Name | MIM-PAM-DC1 |
| Id | VirtualMachine-vm-9902 |
| Operating System | Microsoft Windows Server 2016 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | MIM Demo VM's |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 104.11 GB |
| Provisioned Space | 104.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.31 MIM-PAM-IDM1

|  |  |
| --- | --- |
| Name | MIM-PAM-IDM1 |
| Id | VirtualMachine-vm-10101 |
| Operating System | Microsoft Windows Server 2016 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | MIM Demo VM's |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 108.11 GB |
| Provisioned Space | 108.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.32 NFM-DEV-01

|  |  |
| --- | --- |
| Name | NFM-DEV-01 |
| Id | VirtualMachine-vm-10043 |
| Operating System | Other Linux (64-bit) |
| Hardware Version | v7 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 8000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 32 GB |
| Memory Resources | Normal / 327680 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 34.55 GB |
| Provisioned Space | 132.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes |  |

### 1.8.33 Salient-Demo

|  |  |
| --- | --- |
| Name | Salient-Demo |
| Id | VirtualMachine-vm-12535 |
| Operating System | Microsoft Windows Server 2016 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 1112.16 GB |
| Provisioned Space | 2216.14 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | 7-24-2018 - St John |

### 1.8.34 stCtlVM-FCH2033V2G7

|  |  |
| --- | --- |
| Name | stCtlVM-FCH2033V2G7 |
| Id | VirtualMachine-vm-15927 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.192.52 |
| Parent | HXCluster |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Low / 4000 |
| CPU Reservation | 10800 |
| CPU Limit | 10800 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 72 GB |
| Memory Resources | High / 1474560 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 102.61 GB |
| Provisioned Space | 102.61 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.35 stCtlVM-FCH2033V30R

|  |  |
| --- | --- |
| Name | stCtlVM-FCH2033V30R |
| Id | VirtualMachine-vm-15921 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.192.53 |
| Parent | HXCluster |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Low / 4000 |
| CPU Reservation | 10800 |
| CPU Limit | 10800 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 72 GB |
| Memory Resources | High / 1474560 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 102.61 GB |
| Provisioned Space | 102.61 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.36 stCtlVM-FCH2033V361

|  |  |
| --- | --- |
| Name | stCtlVM-FCH2033V361 |
| Id | VirtualMachine-vm-15924 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | hxesxi1.cloudlab.local |
| Parent | HXCluster |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Low / 4000 |
| CPU Reservation | 10800 |
| CPU Limit | 10800 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 72 GB |
| Memory Resources | High / 1474560 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 102.61 GB |
| Provisioned Space | 102.61 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 3 |
| Notes |  |

### 1.8.37 SysTrackVMP

|  |  |
| --- | --- |
| Name | SysTrackVMP |
| Id | VirtualMachine-vm-10075 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.22 |
| Parent | AOSUCSBLADES |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 89.52 GB |
| Provisioned Space | 168.13 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.38 TrendDS

|  |  |
| --- | --- |
| Name | TrendDS |
| Id | VirtualMachine-vm-9867 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 15.90 GB |
| Provisioned Space | 84.20 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.39 TrendOSCE

|  |  |
| --- | --- |
| Name | TrendOSCE |
| Id | VirtualMachine-vm-9876 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 14.66 GB |
| Provisioned Space | 84.19 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.40 TrendTMVP

|  |  |
| --- | --- |
| Name | TrendTMVP |
| Id | VirtualMachine-vm-9877 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 14.66 GB |
| Provisioned Space | 84.19 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.41 Ubuntu-Srv-16-04\_02-Template

|  |  |
| --- | --- |
| Name | Ubuntu-Srv-16-04\_02-Template |
| Id | VirtualMachine-vm-833 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 64.00 GB |
| Provisioned Space | 132.19 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Ubuntu 16.04(2) LTS Username: aos Password: Baos-1lab1 |

### 1.8.42 UCSD (172.31.192.249)

|  |  |
| --- | --- |
| Name | UCSD (172.31.192.249) |
| Id | VirtualMachine-vm-819 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 20 GB |
| Memory Resources | Normal / 122880 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 390.47 GB |
| Provisioned Space | 735.44 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Cisco UCS Director 6.0.0.0 (Fishing Bay) Note: It is mandatory to reserve vCPU and Memory as recommended by Installation and Deployment guide. |

### 1.8.43 UCSD-BMA (172.31.192.248)

|  |  |
| --- | --- |
| Name | UCSD-BMA (172.31.192.248) |
| Id | VirtualMachine-vm-906 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v7 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 1000 |
| CPU Limit | 1000 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 3 GB |
| Memory Resources | Normal / 30720 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 9.28 GB |
| Provisioned Space | 42.13 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes | FCS 6.0.0.0 |

### 1.8.44 UMBRELLA-01

|  |  |
| --- | --- |
| Name | UMBRELLA-01 |
| Id | VirtualMachine-vm-5011 |
| Operating System | Other 2.6.x Linux (64-bit) |
| Hardware Version | v7 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 0.5 GB |
| Memory Resources | Normal / 5120 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 5.02 GB |
| Provisioned Space | 7.11 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | The Umbrella Virtual Appliance adds internal network and/or AD client information to outgoing DNS requests. ESXi 4.1 or higher is required for deployment. |

### 1.8.45 UMBRELLA-02

|  |  |
| --- | --- |
| Name | UMBRELLA-02 |
| Id | VirtualMachine-vm-5010 |
| Operating System | Other 2.6.x Linux (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 0.5 GB |
| Memory Resources | Normal / 5120 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 5.40 GB |
| Provisioned Space | 11.56 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | The Umbrella Virtual Appliance adds internal network and/or AD client information to outgoing DNS requests. ESXi 4.1 or higher is required for deployment. |

### 1.8.46 vAPIC\_v1-2-1

|  |  |
| --- | --- |
| Name | vAPIC\_v1-2-1 |
| Id | VirtualMachine-vm-1060 |
| Operating System | Red Hat Enterprise Linux 6 (64-bit) |
| Hardware Version | v9 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotInstalled |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 8000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 7.91 GB |
| Memory Resources | Normal / 80960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 26.56 GB |
| Provisioned Space | 88.13 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes |  |

### 1.8.47 VCSA67

|  |  |
| --- | --- |
| Name | VCSA67 |
| Id | VirtualMachine-vm-15271 |
| Operating System | Other 3.x Linux (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 8000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | True |
| CPU Hot Remove Enabled | True |
| Memory Allocation | 24 GB |
| Memory Resources | Normal / 245760 |
| Memory Hot Add Enabled | True |
| vDisks | 13 |
| Used Space | 522.71 GB |
| Provisioned Space | 522.71 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | VMware vCenter Server Appliance |

### 1.8.48 VEEAM1

|  |  |
| --- | --- |
| Name | VEEAM1 |
| Id | VirtualMachine-vm-2145 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | VEEAM |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 860.21 GB |
| Provisioned Space | 1860.17 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Generic Windows 2012 R2 Server Loaded on 5-11-17 by St John |

### 1.8.49 vmw-cc-mgr-01

|  |  |
| --- | --- |
| Name | vmw-cc-mgr-01 |
| Id | VirtualMachine-vm-2132 |
| Operating System | Red Hat Enterprise Linux 6 (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 11.23 GB |
| Provisioned Space | 64.93 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.50 vmw-cc-mon-01

|  |  |
| --- | --- |
| Name | vmw-cc-mon-01 |
| Id | VirtualMachine-vm-2135 |
| Operating System | Red Hat Enterprise Linux 6 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 10.04 GB |
| Provisioned Space | 64.99 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.51 vmw-cc-orc-01

|  |  |
| --- | --- |
| Name | vmw-cc-orc-01 |
| Id | VirtualMachine-vm-2133 |
| Operating System | Red Hat Enterprise Linux 6 (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 7.91 GB |
| Provisioned Space | 57.11 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.52 vmw-cc-rab-01

|  |  |
| --- | --- |
| Name | vmw-cc-rab-01 |
| Id | VirtualMachine-vm-2134 |
| Operating System | Red Hat Enterprise Linux 6 (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.111 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 6.86 GB |
| Provisioned Space | 57.11 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.53 vRealize Operations Manager Appliance

|  |  |
| --- | --- |
| Name | vRealize Operations Manager Appliance |
| Id | VirtualMachine-vm-148 |
| Operating System | SUSE Linux Enterprise 11 (64-bit) |
| Hardware Version | v8 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 16 GB |
| Memory Resources | Normal / 163840 |
| Memory Hot Add Enabled | False |
| vDisks | 3 |
| Used Space | 290.11 GB |
| Provisioned Space | 290.11 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | vRealize Operations Manager Appliance Version 6.3.0 running on SLES 11 SP3 |

### 1.8.54 vRNI-Mgr

|  |  |
| --- | --- |
| Name | vRNI-Mgr |
| Id | VirtualMachine-vm-14685 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | vRealizeNetworkInsight |
| Parent Resource Pool | Resources |
| vCPUs | 8 |
| Cores per Socket | 1 |
| Total vCPUs | 8 |
| CPU Resources | Normal / 8000 |
| CPU Reservation | 4096 |
| CPU Limit | 4096 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 32 GB |
| Memory Resources | Normal / 327680 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 101.13 GB |
| Provisioned Space | 779.81 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | VMware vRealize Network Insight Platform VM |

### 1.8.55 vRNI-Proxy

|  |  |
| --- | --- |
| Name | vRNI-Proxy |
| Id | VirtualMachine-vm-14686 |
| Operating System | Ubuntu Linux (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | vRealizeNetworkInsight |
| Parent Resource Pool | Resources |
| vCPUs | 4 |
| Cores per Socket | 1 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 4000 |
| CPU Reservation | 2048 |
| CPU Limit | 2048 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 10 GB |
| Memory Resources | Normal / 102400 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 50.60 GB |
| Provisioned Space | 162.66 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes | VMware vRealize Network Insight Proxy VM |

### 1.8.56 vxms-master-ova-vA.3.0v2

|  |  |
| --- | --- |
| Name | vxms-master-ova-vA.3.0v2 |
| Id | VirtualMachine-vm-11687 |
| Operating System | CentOS 4/5 or later (64-bit) |
| Hardware Version | v7 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.113 |
| Parent | DCA\_Prod |
| Parent Folder | Infrastructure VM's |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 2 |
| Total vCPUs | 4 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 845.37 GB |
| Provisioned Space | 845.37 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 4 |
| Notes | XtremIO XMS (XtremAPP management server) VMware image 4.0.25 =================================================== IMPORTANT !!! DON'T DEPLOY ON XTREMIO ARRAY =================================================== Hardware spec: 1) 8 GB RAM 2) 2 virtual CPU cores 3) Four E1000 virtual network adapters (normally only the first is used) 4) 900G thin virtual hard disk using PVSCSI VDisk adapter, partitioned as follows: • /boot – 500M • / - 8G • tmpfs – 1G •/var/common – grow to fill Software spec: CentOS 6.2 64bit XtremAPP 3.0.3 |

### 1.8.57 VxRail Manager

|  |  |
| --- | --- |
| Name | VxRail Manager |
| Id | VirtualMachine-vm-16475 |
| Operating System | SUSE Linux Enterprise 12 (64-bit) |
| Hardware Version | v10 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | aosvxrailesxi-01.cloudlab.local |
| Parent | VxRail |
| Parent Folder | VMware HCIA Folder VxRail |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 73.44 GB |
| Provisioned Space | 73.44 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 2 |
| Notes | Reloaded 2/26/2019 VXRAIL MANAGER 4.7 vSphere 6.7 --St John |

### 1.8.58 Win10-MGMT

|  |  |
| --- | --- |
| Name | Win10-MGMT |
| Id | VirtualMachine-vm-16131 |
| Operating System | Microsoft Windows 10 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.22 |
| Parent | AOSUCSBLADES |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 2 |
| Used Space | 168.32 GB |
| Provisioned Space | 308.18 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Management server - do not shutdown or delete. --St John |

### 1.8.59 Win10-Test

|  |  |
| --- | --- |
| Name | Win10-Test |
| Id | VirtualMachine-vm-16129 |
| Operating System | Microsoft Windows 10 (64-bit) |
| Hardware Version | v14 |
| Power State | PoweredOff |
| VM Tools Status | toolsNotRunning |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.22 |
| Parent | AOSUCSBLADES |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 2 GB |
| Memory Resources | Normal / 20480 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 100.00 GB |
| Provisioned Space | 202.19 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | Created by St John 6-2018 for Demo Lab purposes. DO NOT DELETE... |

### 1.8.60 Win2012R2\_Template

|  |  |
| --- | --- |
| Name | Win2012R2\_Template |
| Id | VirtualMachine-vm-84 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsOk |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.112 |
| Parent | DCA\_Prod |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 4 GB |
| Memory Resources | Normal / 40960 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 17.01 GB |
| Provisioned Space | 84.12 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes |  |

### 1.8.61 ZERTO-MGR01

|  |  |
| --- | --- |
| Name | ZERTO-MGR01 |
| Id | VirtualMachine-vm-9868 |
| Operating System | Microsoft Windows Server 2012 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | Discovered virtual machine |
| Parent Resource Pool | Resources |
| vCPUs | 2 |
| Cores per Socket | 1 |
| Total vCPUs | 2 |
| CPU Resources | Normal / 2000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 8 GB |
| Memory Resources | Normal / 81920 |
| Memory Hot Add Enabled | False |
| vDisks | 1 |
| Used Space | 31.08 GB |
| Provisioned Space | 108.12 GB |
| Changed Block Tracking Enabled | True |
| vNICs | 1 |
| Notes | ZERTO REPLICATION Windows 2012 R2 Server Loaded on 5-25-17 by St John |

### 1.8.62 Z-VRA-172.31.100.20

|  |  |
| --- | --- |
| Name | Z-VRA-172.31.100.20 |
| Id | VirtualMachine-vm-12019 |
| Operating System | Debian GNU/Linux 5 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.20 |
| Parent | AOSUCSBLADES |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 3 GB |
| Memory Resources | Normal / 30720 |
| Memory Hot Add Enabled | False |
| vDisks | 6 |
| Used Space | 94.72 GB |
| Provisioned Space | 110.17 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.63 Z-VRA-172.31.100.21

|  |  |
| --- | --- |
| Name | Z-VRA-172.31.100.21 |
| Id | VirtualMachine-vm-12022 |
| Operating System | Debian GNU/Linux 5 (64-bit) |
| Hardware Version | v11 |
| Power State | PoweredOn |
| VM Tools Status | toolsOld |
| Fault Tolerance State | notConfigured |
| Host | 172.31.100.21 |
| Parent | AOSUCSBLADES |
| Parent Folder | vm |
| Parent Resource Pool | Resources |
| vCPUs | 1 |
| Cores per Socket | 1 |
| Total vCPUs | 1 |
| CPU Resources | Normal / 1000 |
| CPU Reservation | 0 |
| CPU Limit | 0 MHz |
| CPU Hot Add Enabled | False |
| CPU Hot Remove Enabled | False |
| Memory Allocation | 3 GB |
| Memory Resources | Normal / 30720 |
| Memory Hot Add Enabled | False |
| vDisks | 4 |
| Used Space | 14.16 GB |
| Provisioned Space | 14.16 GB |
| Changed Block Tracking Enabled | False |
| vNICs | 1 |
| Notes |  |

### 1.8.64 VM Snapshots

| Virtual Machine | Name | Description | Days Old |
| --- | --- | --- | --- |
| Cisco-HX-Data-Platform-Installer-v3.5.2a-31601-esx\_SHA1\_signed | Cisco-HX-Data-Platform-Installer-v3.5.2a-31601-esx\_SHA1\_signed\_vm-15887\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 18:58:06.349 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| ciscovmprofiler | ciscovmprofiler\_vm-15518\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 19:05:14.007 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| DC1 | DC1\_vm-16107\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:38:29.126 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| DC2 | DC2\_vm-16105\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:39:42.647 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| DPDPROXY01 | DPDPROXY01\_vm-16083\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 17:02:19.261 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| InsightIQ | InsightIQ\_vm-13406\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 19:04:01.840 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Linux-MGMT | Linux-MGMT\_vm-11472\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:41:27.981 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| MGMT01 | MGMT01\_vm-16101\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:35:55.553 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| MGMT02 | Avamar-15483747840c0d9c61f8208ac440dde2ac96eaa74b7fa52127 | Created by Avamar workorder Nightly 6PM-VMIMAGES-1548374401808 on GMT-Fri Jan 25 00:06:24 2019 | 54 |
| MGMT02 | MGMT02\_vm-16103\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:33:49.563 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Salient-Demo | Salient-Demo\_vm-12535\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 19:03:12.890 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| SysTrackVMP | SysTrackVMP\_vm-10075\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:45:52.650 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Ubuntu-Srv-16-04\_02-Template | Ubuntu-Srv-16-04\_02-Template\_vm-833\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 18:57:17.288 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| UCSD (172.31.192.249) | pre-6\_5-upgrade |  | 581 |
| UCSD (172.31.192.249) | UCSD (172.31.192.249)\_vm-819\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 18:57:40.185 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| UMBRELLA-02 | UMBRELLA-02\_vm-5010\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:46:56.974 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| VEEAM1 | VEEAM1\_vm-2145\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:48:39.226 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| vmw-cc-mgr-01 | VEEAM BACKUP TEMPORARY SNAPSHOT | Please do not delete this snapshot. It is being used by Veeam Backup. | 585 |
| vmw-cc-mon-01 | vmw-cc-mon-01\_vm-2135\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 19:17:35.896 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Win10-MGMT | Win10-MGMT\_vm-16131\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:26:05.484 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Win10-MGMT | Win10-MGMT\_vm-16131\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:32:35.473 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Win10-Test | Win10-Test\_vm-16129\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:33:12.042 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |
| Win10-Test | Win10-Test\_vm-16129\_1 | Snapshot generated by VMware vSphere Update Manager at 2019-02-15 16:33:21.765 (Update Manager local time). Snapshot will not be automatically deleted. | 33 |

## 1.9 VMware Update Manager

The following section provides information on VMware Update Manager managed by vCenter Server vcenter01.cloudlab.local.

### 1.9.1 Baselines

| Name | Description | Type | Target Type | Last Update Time | # of Patches |
| --- | --- | --- | --- | --- | --- |
| Critical Host Patches (Predefined) | A predefined baseline for all critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 99 |
| ESXi-NonHCI |  | Patch | Host | 2/15/2019 8:29:38 AM | 119 |
| Non-Critical Host Patches (Predefined) | A predefined baseline for all non-critical patches for Hosts | Patch | Host | 2/15/2019 8:29:38 AM | 243 |
| VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | VMware ESXi 6.7.0 U1 (Patch ESXi670-Update01) with vSAN recommended patches ESXi670-201811401-BG | Patch | Host | 3/9/2019 8:57:17 AM | 2 |