Your name:

OpenHPC: Beyond the Install Guide

for PEARC24, 2022-07-22

# Contacts:

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## 

Sample cluster architecture

See the other side of the page for more details.

# Details for your cluster (Cluster N)

## Credentials

|  |  |
| --- | --- |
| Usernames: | user1, user2 |
| Password (for all): | X |

## Networks

|  |  |
| --- | --- |
| External (shared by all students and instructors): | 10.38.50.0/23 |
| Internal (private to your cluster): | 172.16.0.0/16 |

## System management server (SMS)

|  |  |
| --- | --- |
| Internal hostname: | sms |
| Publicly routable IP (mapped to external IP): | SMSPUBLICIP |
| External IP: | SMSEXTERNALIP |
| Internal IP: | 172.16.0.1 |

2 vCPUs, 6 GB RAM, 100 GB disk for /opt/ohpc, 20 GB disk for everything else

## Login server (after installation)

|  |  |
| --- | --- |
| Internal hostname: | sms |
| Publicly routable IP (mapped to external IP): | LOGINPUBLICIP |
| External IP: | LOGINEXTERNALIP |
| Internal IP: | 172.16.0.2 |
| Internal MAC address: | LOGINMAC |

2 vCPUs, 6 GB RAM, 20 GB disk originally only used for iPXE booting

## Compute servers

Non-GPU servers (c1, c2) each have 2 vCPUs, 6 GB RAM, 20 GB disk originally only used for iPXE booting. GPU servers (g1, g2) each have 4 vCPUs, 15 GB RAM, 60 GB disk originally only used for iPXE booting, and a 5 GB partition of an NVIDIA A100 GPU.

|  |  |  |
| --- | --- | --- |
| Hostname | MAC | Internal IP |
| c1 | C1MAC | 172.16.1.1 |
| c2 | C2MAC | 162.16.1.2 |
| g1 | G1MAC | 172.16.2.1 |
| g2 | G2MAC | 172.16.2.2 |