

Intel Pod 1

Overview

The Intel Pod consist of 3x Intel LWF2208IR540605, 2x Intel NUC8i3CYSM, 2x NUCi7BEK

	Intel LWF2208IR540605	Intel NUC8i3CYSM	Intel NUC8i7BEK
CPU	2x Intel Xeon Gold 6140 @ 2.30 GHz	1x Intel Core i3-8121U @ 2.20 GHz	1x Intel Core i7-8559U @ 2.70 GHz
RAM	16x16GB ECC DIMM	2x 4GB LPDDR4-2400	2x 8GB SO-DIMM DDR4-2400
Storage	2x 4TB NVMe SSD	1x 1TB HDD	1x 512GB SSD
GPU	N/A	Radeon 540 Graphics with 2GB GDDR5 RAM	N/A
Network	2x 10/Gbe SFP (connected) 2x 40/Gbe QSFP (connected)	1x Intel Gigabit Ethernet	1x Intel Gigabit Ethernet

Server Access

Your SSH key that you provide to the Akraino dashboard will be copied to the root user of the machine. Authenticating as the root user is recommended.

IPMI Access

When your booking completes, the dashboard will provide IPMI credentials to you.

You can access an IPMI interface like the example below:

intel1-intel1-ipmi.akr.iol.unh.edu

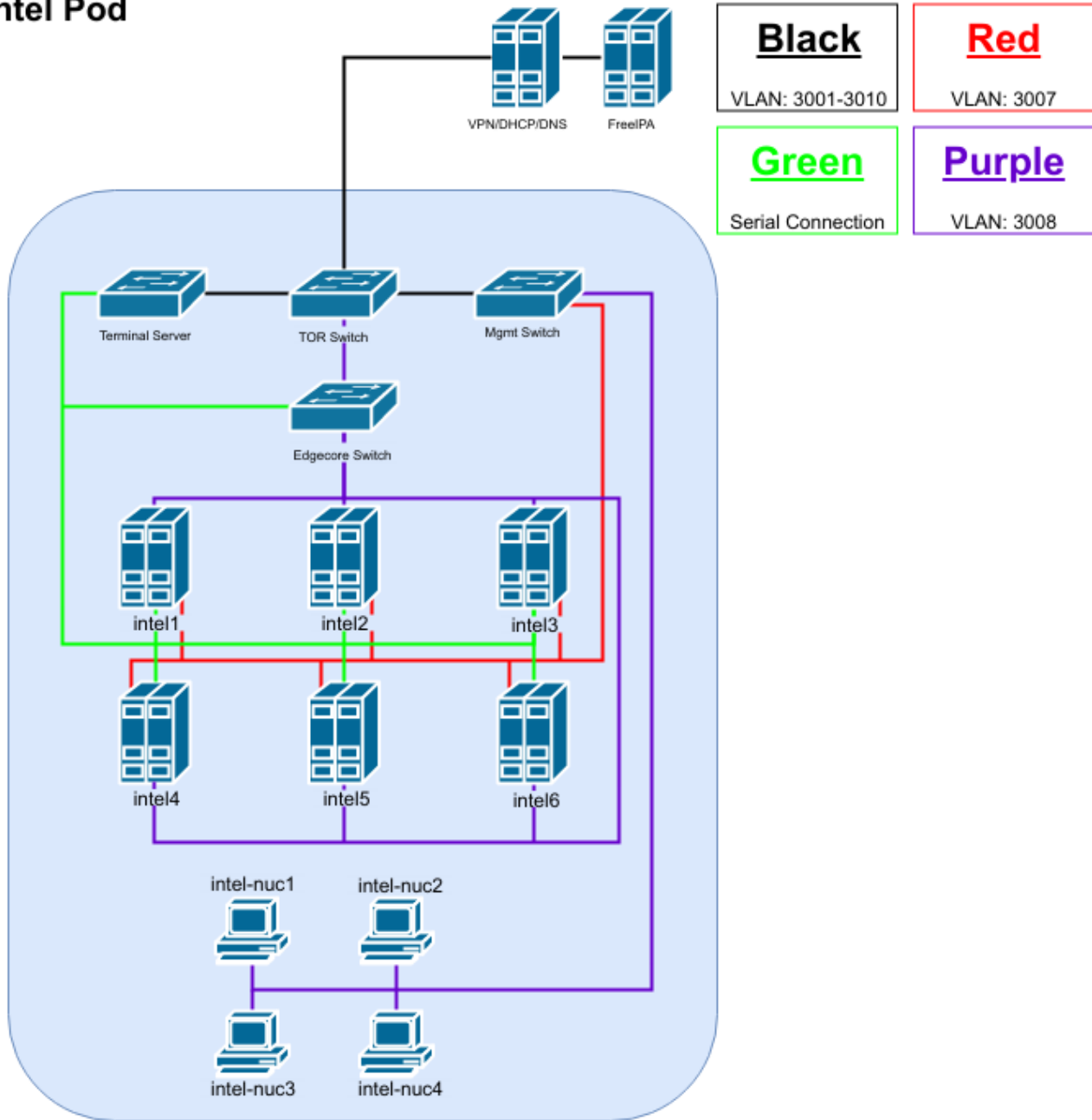
Then enter the username and password from the file provided to you and now you can manage the system and will even be able to add your own public keys in the event of a reinstall of the machine.

If you have any issues with any of the IPMI interfaces please email akraino-lab@iol.unh.edu and we will assist you in anyway we can.

Networking

Network	IP Network	VLAN ID	Description
IPMI / Management	10.11.7.0/24 GW: 10.11.7.1	3007	Connections to all IPMI interfaces on each server and the switch management interface
Public	10.11.8.0/24 GW: 10.11.8.1	3008	Public network (able to reach the Internet), available to each server.

Intel Pod



Server Name	IPMI Address	IPMI VLAN ID	Public Network Address (dns name)	Public Network VLAN ID	Switch Ports(s)	Serial Connection	OS Installed	Machine Type
intel1-intel1	10.11.7.11	3007	10.11.8.11	3008	Left 10Gbe Port 1 Breakout 1 and right 10Gbe Port 1 Breakout 2 Left 40Gbe Port 5, Right 40Gbe Port 6	TBD	Ubuntu 20.04	Intel LWF220 8IR540605
intel1-intel2	10.11.7.12	3007	10.11.8.12	3008	Left 10Gbe Port 1 Breakout 3 and right 10Gbe Port 1 Breakout 4 Left 40Gbe Port 7, Right 40Gbe Port 8	TBD	Ubuntu 20.04	Intel LWF220 8IR540605
intel1-intel3	10.11.7.13	3007	10.11.8.13	3008	Left 10Gbe Port 2 Breakout 1 and right 10Gbe Port 2 Breakout 2 Left 40Gbe Port 9, Right 40Gbe Port 10	TBD	Ubuntu 20.04	Intel LWF220 8IR540605

Server Name	Public Network Address (dns name)	Public Network VLAN ID	OS Installed	Machine Type
intel-nuc1	10.11.8.17 (inte-nuc1)	3008	Windows 10	NUC8i7BEK

intel-nuc2	10.11.8.18 (inte-nuc2)	3008	Windows 10	NUC817BEK
intel-nuc3	10.11.8.19 (inte-nuc3)	3008	Windows 10	NUC8i3CYSM
intel-nuc4	10.11.8.20 (inte-nuc4)	3008	Windows 10	NUC8i3CYSM

Switch Name	Mgmt Address	VLAN ID	Serial Connection	OS Installed
intel1-edgecore	10.11.7.10	3007	Async 2/9	ONL