Ampere Pod 4

Overview

The fourth Ampere Pod consists of 3 Ampere Mt. Snow servers with the following specifications per server:

	Ampere R272-P30 (Mt. Snow Platform)
CPU	Ampere Altra ARMv8, 80 cores, 1 GHz base, up to 2.7 GHz
RAM	128 GB DDR4, 8 channels
Storage	900 GB Samsung NVMe SSD
Networking	Mellanox 2x 25 Gbps SFP28

Usage & Users

This information can now be found on the Akraino dashboard. Check the Shared Community Lab page for more information.

Server Access

Ensure you upload your SSH key to the LF Edge dashboard on the account settings page before you make a booking.
This will enable our system to transfer your SSH key onto the default user automatically, allowing you to log in as root.

IPMI Access

When booking a pod, the Akraino dashboard will provide IPMI credentials via email.

You can access an IPMI interface like the example below:

`ampere4-snow1-ipmi.akr.iol.unh.edu`

Then enter the username and password provided in the email you received from the dashboard, and now you can manage the system on your 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 lfedge-lab@iol.unh.edu and we will assist you in any way we can.

Networking

Network	IP Network	VLAN ID	Description
IPMI / Management	10.11.23.0/24 GW: 10.11.23.1	3023	Connections to all IPMI interfaces on each server and the switch management interface
Public	10.11.24.0/24 GW: 10.11.24.1	3024	Public network (able to reach the Internet), available to each server.

Servers and Switches

Server Name	IPMI Address	IPMI VLAN ID	Public Network Address	Public Network VLAN ID	Switch Port(s)	OS Installed
ampere4-snow1	10.11.23.11	3023	10.11.24.11	3024	Rack 3 TOR: 2x 10 Gbps Ports 1 & 2 Rack 3 IPMI: Port 1	Fedora 33
ampere4-snow2	10.11.23.12	3023	10.11.24.12	3024	Rack 3 TOR: 2x 10 Gbps Ports 3 & 4 Rack 3 IPMI: Port 2	Fedora 33

ampere4-snow3	10.11.23.13	3023	10.11.24.13	3024	Rack 3 TOR: 2x 10 Gbps Ports 5 & 6 Rack 3 IPMI: Port 3	Fedora 33