Ampere Pod 3

Overview

The third Ampere Pod consists of 3 Ampere HR350A servers with the following specifications per server:

	Ampere HR350A (Falcon)
CPU	Ampere eMAG ARMv8 x64 Piranha, 32 core at 3.00 GHz
GPU	AMD Radeon Pro WX 5100
RAM	8x32 GB DDR4 RDIMMs (256 GB) at 2400 MHz
Storage	480 GB SSD
Networking	2x 10 Gbps SFP

Usage & Users

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

Server Access

For the meantime when you request access to the Akraino Pods at UNH-IOL we will ask that you send us your public ssh key so we can add it to the root users of those machines.

If you wish to have your own user we can get that setup, but it is much quicker and easier if you just stick with the root user.

IPMI Access

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

IMPORTANT:

Please write down the information or copy the file somewhere safe in case of the machines getting reinstalled and the file will be gone. We are trying to prevent sending emails with passwords in them. If for some reason you did not have this info before it got wiped you can email akraino -lab@iol.unh.edu and we will help you by making a new file in the machines with the IPMI username and password.

You can access an IPMI interface like the example below:

`ampere3-ampere1-ipmi.akr.iol.unh.edu`

Then enter the username and password provided from the file in `/opt` 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 akraino-lab@iol.unh.edu and we will assist you in any way we can.

Networking

Network	IP Network	VLAN ID	Description
IPMI / Management	10.11.13.0/24 GW: 10.11.13.1	3013	Connections to all IPMI interfaces on each server and the switch management interface
Public	10.11.14.0/24 GW: 10.11.14.1	3014	Public network (able to reach the Internet), available to each server.

blocked URL

Servers and Switches

Server Name	IPMI Address	IPMI VLAN ID	Public Network Address	Public Network VLAN ID	Switch Port(s)	OS Installed
ampere3-ampere1	10.11.13.11	3013	10.11.14.11	3014	Cisco TOR: 2x 10 Gbps Ports 27 & 28	CentOS 7

| ampere3-ampere2 | 10.11.13.12 | 3013 | 10.11.14.12 | 3014 | Cisco TOR: 2x 10 Gbps Ports 29 & 30 | CentOS 7 |
| ampere3-ampere3 | 10.11.13.13 | 3013 | 10.11.14.13 | 3014 | Cisco TOR: 2x 10 Gbps Ports 31 & 32 | CentOS 7 |