

Intro to EC2

Amazon Web Service Elastic Compute Cloud (EC2) allows for users to provision virtual machines in Amazon's cloud services with their choice of operating system image. In this LCI workshop, we'll leverage EC2 to build a simple HPC-styled cluster. We will be utilizing Red Hat 7.4 on EC2 as the base operating system and will utilize SSH applications and friends to perform the setup.

1. Make sure you have an SSH capability. (Google Chrome has an add on, PuTTY on Windows, Terminal on Mac/Linux)
2. Obtain the credentials from one of the LCI helpers (handed out early)
 - a. Place PEM identity file in appropriate place.
 - b. Make sure permissions are 0400 on the PEM identity file

```
$ chmod 0400 <ident>.pem
```

3. Login using SSH

```
$ ssh -i <ident>.pem <username>@<head_node_ip>
```

Upon success, you should have a prompt on a pre-configured EC2 server. We can verify that we are running a version of Red Hat by issuing the following command:

```
$ cat /etc/redhat-release
```

You are now prepared to run a basic HPC application for the first workshop exercise.