Get To Know the Environment

April 14, 2017
Environmental Tasks

- Configure ssh keys
- Git the base repository
- Module load the Intel compilers
- HelloWorld
Login to a NUC

• Do you still need an account?
  Let’s get that taken care of...

• Did you forget your password?
  Let’s get that taken care of...
Setting Up SSH Keys

[dellswor@nuc03 ~]$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/users/dellswor/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/users/dellswor/.ssh/id_rsa.
Your public key has been saved in /home/users/dellswor/.ssh/id_rsa.pub.
The key fingerprint is:
dellswor@nuc03.nic.uoregon.edu
The key's randomart image is:
+---[ RSA 2848]-----
 .
S o
 . + =E
 o + = o
 .= *.
 . +=xoB

[dellswor@nuc03 ~]$ cat .ssh/id_rsa.pub >> .ssh/authorized_keys
[dellswor@nuc03 ~]$ ssh wcpr.nic.uoregon.edu
Agent rejected failure to sign using the key.
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[dellswor@nuc03 ~]$
Setting Up SSH Keys

• Now that the keys are setup, logout

• Log back in

• ssh nucXX
  where XX is a number 01 through 16
Git repo

For labs and other programming assignments you’ll be forking our git repo...

https://www.cs.uoregon.edu/Classes/17S/cis431/parallel-lab.git

Please pull from the repo frequently. As labs and assignment code become available they will appear at the head of the master branch.

We’ll grade your work from a git repo URL you provide to us (you can host on wopr, ix, github, wherever).
The Intel Compiler is not in the environment by default...

This mirrors the other cluster resources you have access to. To bring in the compiler:

```
module load intel/17
```
Next Steps

Now we’re going to break out into the shell and try building the HelloWorld code using the Intel Compilers.

Before Friday lab, please create your private git repository and give write access to instructors.