**Illinois Campus Cluster Program**

Basics of Access and Usage

Live training session, February 20, 2024

This workshop is designed to provide attendees with hands-on exercises incorporating the basics of using the Illinois Campus Cluster environment. Even though exercises can be considered quite simple, we understand that, for various reasons, people can find difficulties at any point during the training session. Given that the exercises are correlated (to get to exercise N, you will need to succeed in exercise N-1), we find that providing the direct answers to each one of them can be useful.

**We strongly encourage you to not proceed from here unless you face problems during the live training session.**

****

**Exercise 1.**

**b)** ssh -l <YourUsername> cc-login.campuscluster.illinois.edu

**Exercise 2.**

**c)** cd scratch

**Exercise 3.**

**a)** cd $HOME

mkdir HelloWorld

**b)** cp /home/babreu/ICCPWorkshop/HelloWorld.cpp .

**c)** mv HelloWorld.cpp ./HelloWorld

**d)** cp ./HelloWorld/HelloWorld.cpp .

**f)** rm HelloWorld.cpp

**Exercise 4.**

**a)** cd $HOME/HelloWorld

**c)** g++ HelloWorld.cpp -o HelloWorld.exe

**d)** ls

**Exercise 5.**

**d)** module load intel/18.0

icc HelloWorld.cpp -o HelloWorld\_Intel.exe

**Exercise 6.**

**a)** cp /home/babreu/ICCPWorkshop/HelloWorld.sbatch

**c)** sbatch HelloWorld.sbatch

**Exercise 7.**

squeue -u $USER

squeue -p trial

**Exercise 8.**

**a)** logout

**b)** scp <Username>@cc-xfer.campuscluster.illinois.edu:~/HelloWorld/HelloWorld.out .