Project 2-1: (Warm up project): Distributed Computing using MPI and Bewoulf computer cluster

Goal: In this sub-project, you need to begin to familiar with MPI (Message Passing Interface) and Beouwolf computer cluster.

Description:

- We have set up the cluster “starscream”. To use it, you log into starscream.cs.fiu.edu. You will see your normal CS unix home directory. But, you also have a “cluster” home directory in /home/starscream/users/username. This directory can be seen by all the nodes in the cluster. (Your normal unix home directory can not). Please put all your MPI related work in this directory.
- The system is running lam-mpi ( http://www.lam-mpi.org ) and a lot of tutorial information is available at http://www.lam-mpi.org/tutorials/
- Also, on the megatron cluster, some example code is available in /usr/share/doc/lam-6.5.6/examples
- Make sure you have received “solix” accounts. If so, you should be able now to log into starscream. If not, you will need to get the solix account first. Please contact request@cs.fiu.edu with any problems.

Note:

- In the next stage (Project 2-2), you will need to work on the project by using MPI and Bewoulf. Please begin to familiar with them.
- You do not need to turn in anything for this subproject and there is no deadline for this subproject.