

Wiki, Tickets, Compiling and Running on a Cluster

Wiki

- <https://hpcsc.inel.gov/moose/wiki/RAVEN>
- Contains notes on building and using RAVEN
- The wiki also contains other notes on building and using MOOSE.
- There is also <http://mooseframework.org> which contains general MOOSE information.

Ticket System

- To see the existing tickets see: <https://hpcsc.inel.gov/moose/report>
- To add a new ticket see: <https://hpcsc.inel.gov/moose/newticket>
- When adding a new ticket set component as raven
- Email one of developers (this should automatically happen, but doesn't).

Compiling

1. Get moose running (follow instructions at <http://mooseframework.org/getting-started>)
 1. Get dependencies
 2. compile libmesh
 3. compile moose test
 4. run tests
2. Either install framework dependencies or run compile script.
 1. Linux can grab them from repositories.
 2. There is a package for OSX.
 3. Otherwise you can run `raven_libs_script.sh`
3. Compile crow
4. Run tests.
 1. `./run_tests -j4 --re=framework`

Cluster Running

- Three different modes:
 - MPI – uses openmpi to distribute the running of the code
 - pbsdsh – uses pbsdsh command to distribute the running of the codes
 - Custommode – allows a python class to direct how the running of the code is done.
- Framework/README.txt contains details