

Sprint Report #2

November 5, 2015

Team Overview

Project

ARM Cluster

Members

- Andrew Hoover
- Samantha Krantz
- Christine Sorensen

Sponsor

Dr. Christer Karlsson

Meeting Times

Tuesdays and Thursdays at 1:00pm

Sprint Overview

Deliverables

- Updated Design Document
- Budget
- Hardware Test
- Switch Benchmark
- Ethernet Benchmark
- USB to Ethernet Benchmark
- MPI Code
- Message-Passing Protocol

Activities

Team

- Decided on using the ODROID
- Order ODROIDs and selected supplies

Andrew Hoover

- Benchmarked:
 - Switch
 - Ethernet
 - USB to Ethernet
- Tested hardware
- Tested MPI code on ODROIDS

Samantha Kranztz

- Researched supplies
- Finalized budget

Christine Sorensen

- Designed message-passing protocols
- Sampled MPI code

Work that is carried over into Sprint 3 is as follows:

- Design cluster
- Build cluster
- Benchmark cluster
- Test message-passing

Backlog

- Build the cluster
- Code for the cluster
- Benchmark the cluster
- Experiment with different topologies
- Create a new mode of communication