Sprint 1 Plan
Product: NVMe over Fabric
Team: NVMe
Completion Date: 4/27/16
Revision Number: 1.0
Revision Date: 4/3/16

GOAL

By the end of Sprint 1 we want to have our benchmarking suite complete.

TASK LISTING

1. As a developer, I need to create an automated benchmarking framework so that I can effectively and efficiently run benchmarks.
    a. Task 1: Create generic parameter/option framework in Python. (5 ideal hours)
    b. Task 2: Create CSV parser output module. (5 ideal hours)
    c. Task 3: Create module to handle errors and error logging. (8 ideal hours)

    User Story Total: 18 ideal hours.
2. As a sponsor, I want to view benchmarking results as graphs so that I can see relevant data clearly.
    a. Task 1: Import CSV data. (1 ideal hour)
    b. Task 2: Determine relevant parts of the data. (5 ideal hours)
    c. Task 3: Find appropriate graph type for the given data. (2 ideal hours)

    User Story Total: 8 ideal hours.
3. As a developer, I need to create a C file read/write benchmark test so that I can simulate real world file IO.
    a. Task 1: Create design document. (4 ideal hours)

b. Task 2: Create program. (10 ideal hours)
c. Task 3: Test the program. (4 ideal hours)
d. Task 4: Integrate program into benchmarking framework (parameters, parser). (4 ideal hours)

User Story Total: 22 ideal hours.

4. As a developer, I need RoCE V2 configured so that I can use the latest protocol version.
    a. Task 1: Research configuration. (3 ideal hours)
    b. Task 2: Implement configuration. (2 ideal hours)
    c. Task 3: Verify the configuration. (2 ideal hours)

    User Story Total: 7 ideal hours.
5. As a developer, I need to maintain nbdX/Accelio so that I can run benchmarks without issues.
    a. Task 1: Communicate found issues with Mellanox. (18 ideal hours)

    User Story Total: 18 ideal hours.
6. As a developer, I need to find a database test suite to install so that I can benchmark the performance of real world database applications.
    a. Task 1: Find database test suite and database generator. (2 ideal hours)
    b. Task 2: If found, implement the test suite and generator. (3 ideal hours)
    c. Task 3: Integrate test into the framework (parameters, parser). (3 ideal hours)

    User Story Total: 8 ideal hours.

TEAM ROLES

John: Developer

Alice: Developer and Initial liaison for the sponsor and professor

Coy: Developer

Jayden: Developer

Eric: Scrum Master and Developer

INITIAL TASK ASSIGNMENT

John: 3, 4, 5

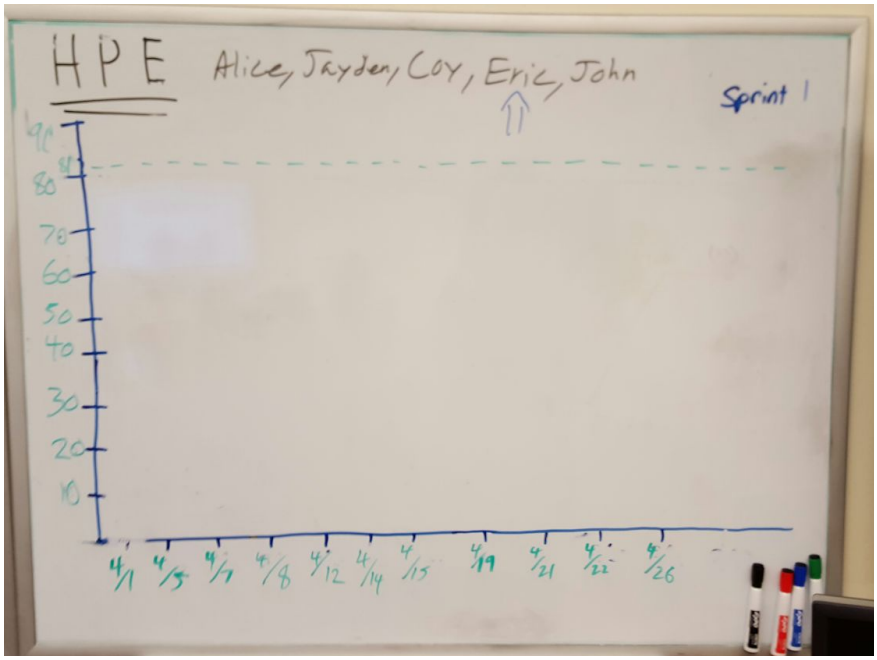
Alice: 2, 3, 6

Coy: 1, 6

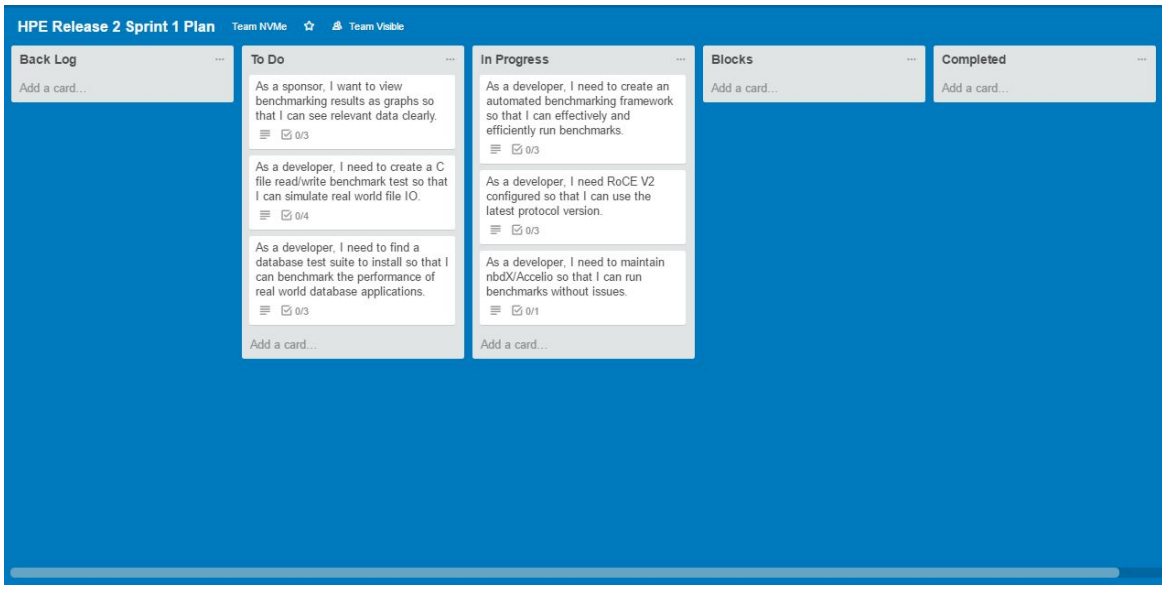
Jayden: 1, 2

Eric: 3, 4

INITIAL BURNUP CHART



INITIAL SCRUM BOARD



SCRUM TIMES

Tuesdays at 11:30 AM.

Thursdays at 11:30 AM.

Fridays at 11:00 AM with the TA, Daniel.