Sprint 1 Plan

Product: NVMe over Fabric

Team: NVMe

Completion Date: 1/22/16

Revision Number: 1.0

Revision Date: 1/14/16

GOAL

By the end of Sprint 1 we will have the servers up and operational with CentOS installed, the kernel upgrade process started, and the Mellanox drivers installed.

TASK LISTING

1. As a developer, I need the right power supply so that I can get the physical servers up and running.
    a. Task 1: Find the correct power supply for the servers (4 ideal hours)

    User Story Total: 4 ideal hours
2. As a developer, I need iLO set up so that I can install the software as well as remote management.
    a. Task 1: Get the mac addresses (1 ideal hour)
    b. Task 2: Get server room access cards working (1 ideal hour)
    c. Task 3: Run initial configuration (3 ideal hours)

    User Story Total: 5 ideal hours
3. As a developer, I need CentOS installed and configured so that I can have an OS.
    a. Task 1: Download CentOS 7.2 iso (1 ideal hour)
    b. Task 2: Install CentOS 7.2 on both servers (1 ideal hour)

    c. Task 3: Update firmware (2 ideal hours)

   User Story Total: 4 ideal hours

4. As a developer, I need to create a full system backup of the physical server so that I can restore to a safe point in the event something happens.
    a. Task 1: Research backup solutions (3 ideal hours)
    b. Task 2: Implement solutions (3 ideal hours)
    c. Task 3: Test solutions (4 ideal hours)

   User Story Total: 10 ideal hours

5. As a developer, I need to install GIT on the physical server so that I can have GIT on the server.
    a. Task 1: sudo yum install git (1 ideal hour)

   User Story Total: 1 ideal hour

6. As a developer, I need a GIT repository configured so that I have a version control repository.
    a. Task 1: Create and configure the repository (1 ideal hour)

   User Story Total: 1 ideal hour

7. As a developer, I need an upgraded kernel so that I have compatibility with nbdX.
    a. Task 1: Research how to upgrade kernel on servers (3 ideal hours)
    b. Task 2: Use guides to create the kernel (2 ideal hours)
    c. Task 3: Build the kernel (2 ideal hours)
    d. Task 4: Install the kernel (1 ideal hour)
    e. Task 5: Test the kernel (1 ideal hour)
    f. Task 6: Create a backup of the kernel (2 ideal hours)

g. Task 7: Create stress test scripts for the kernel, test on CentOS VMs (2 ideal hours)

User Story Total: 13 ideal hours

8. As a developer, I need to understand the iLO so that I can remotely manage the physical servers.
    a. Task 1: Research iLO (5 ideal hours)

    User Story Total: 5 ideal hours
9. As a developer, I need to understand the installation, setup and management of CentOS so that I can work with my physical servers.
    a. Task 1: Download CentOS 7 (1 ideal hour)
    b. Task 2: Installing OS on VirtualBox (1 ideal hour)
    c. Task 3: Configuring VM network adapter in order to ssh into (3 ideal hours)

    User Story Total: 5 ideal hours
10. As a developer, I need to understand GIT so that I can properly use GIT.
    a. Task 1: Research and understand how to use GIT commands (2 ideal hours)

    User Story Total: 2 ideal hours

TEAM ROLES

John: Initial liaison for Lynne and the IT coordinator and developer

Alice: Scrum master, initial liaison for the sponsor and professor, developer

Coy: Developer

Jayden: Developer

Eric: Developer

Kevin: IT coordinator and developer

INITIAL TASK ASSIGNMENT

John: 1a, 2, 3, 7, 8, 9, 10

Alice: 2b, 5a, 6a, 7, 9, 10

Coy: 4, 6a, 7g, 9, 10

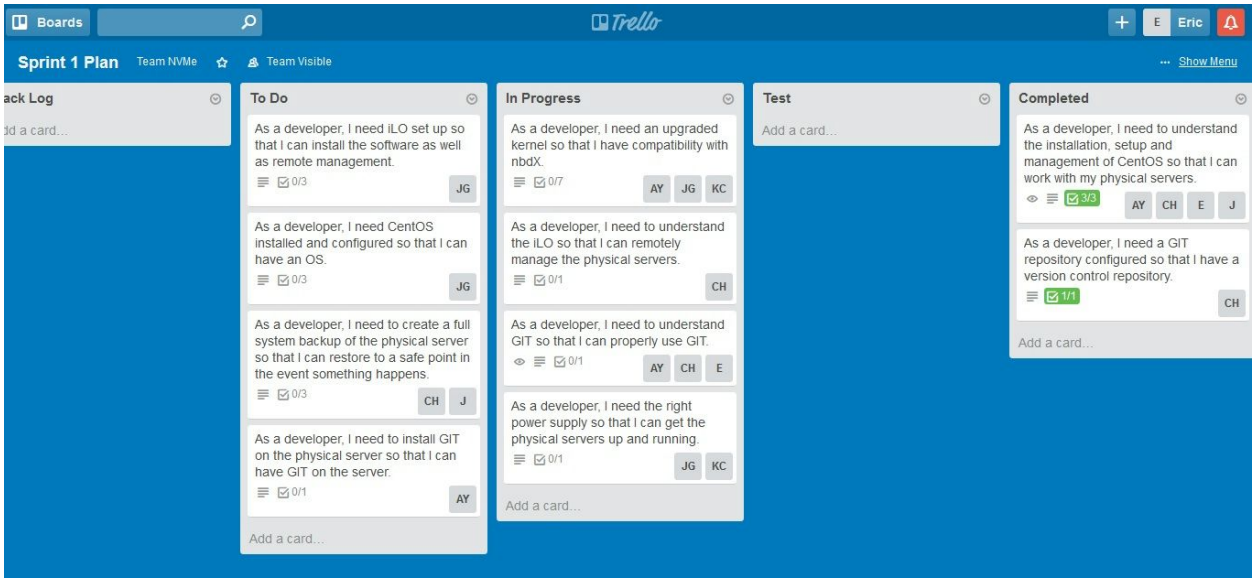
Jayden: 4, 7g, 9, 10

Eric: 7g, 9, 10

Kevin: 1a, 2b, 2c, 3, 7, 8, 9, 10

INITIAL BURNUP CHART

INITIAL SCRUM BOARD



SCRUM TIMES

Tuesdays at 6:30 PM.

Thursdays at 7:00 PM with the TA, Daniel.

Saturdays at noon.