

Weekly Report 2

Subject: Fabric Experimentation and Learning Environment (FELE) January 23rd to January 29th weekly report

Body:

The 2nd week started with an internal team meeting. Everyone shared their knowledge and experience about blockchain, and the technologies used for the application. Everyone was asked to study about Hyperledger fabric and its basic concepts. This week everyone was able to install and successfully run the fele cli and set up couch dB on their local machines. The team was also able to setup a Hyperledger fabric test network on their machines for analyzing the fabric framework. This helped the team get familiarized with concepts of Hyperledger Fabric to get started. A private GitHub project was also setup, and the team members were added as collaborators. The team was into groups and the technical and non-technical tasks were divided among the team members.

Accomplished Tasks:

1. Setup the fabric test network
2. Setup the fele network along with couch dB
3. Initial questions review from the RA's
4. Learning the basic concepts of Hyperledger fabric network
5. Collecting resources for the website
6. Received the FELE documentation and architecture from Dr. Yue
7. Divided the technical tasks among the team members but team members are flexible to contribute to any task they want.
 - a. CLI functionalities – Thomas Pulickal Joseph, Shiva Phaneendra Reddy Medapati
 - b. Restful API services – Ramachandra Petla, Sesha Kumar Reddy Nallamilli
 - c. JSON schema design and implementation – Preethi Vuchuru, Sooraj Sivadasan Nair.
8. Divided the non-technical tasks among the team members
 - a. Minutes of Meeting - Ramachandra Petla, Sesha Kumar Reddy Nallamilli, Shiva Phaneendra Reddy Medapati
 - b. Weekly Reports - Preethi Vuchuru, Sooraj Sivadasan Nair, Thomas Pulickal Joseph

Planned Tasks:

1. Building project website
2. Understand and refine the updated Fele Architecture.
3. To research about network, channel creation and create a network, channel JSON that has information that a network, channel must have.
4. To setup postman to test the restful endpoints and learn about swagger for Restful API documentation.

5. To implement network, channel functionalities in both CLI, Restful API if the design is approved.
6. To add logs to log file while developing functionalities. Can find a node package that helps in implementing logging.
7. To consider writing a script for testing the cli and it can be invoked with a run script command.