

Week 4 Report

Subject: Fabric Experimentation and Learning Environment (FELE) January 6th to February 12th weekly report

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Body:

In the 3rd week, we started with the JSON schema and JSON config for the channel object. The JSON schema team implemented a json validator using the ajv npm package. The team was also able to start with the logger function (using Winston npm package). We have added the gist of a logger and will be implementing further logger functionalities in the upcoming weeks. The Restful API team was able to build a channel create function and expose that method to a http route. The Cli team was also able to build the command line for channel creation using the same common channel creation method. The team also added the use network functionality to use a particular database.

Accomplished Tasks:

1. Implemented the json schema and json data for channel creation.
2. Developed a json schema validator.
3. Started with the implementation of a logger function using winston.
4. Implemented the restful api route and handler method for channel creation.
5. Implemented the cli command and function for channel creation.
6. Added authentication to the cli command and also added the use network command.
7. Completed the project website and deployed to sce web.

Planned Tasks:

1. To have a meeting with Dr. Yue to discuss and revisit the channel configuration and channel updation for the channel creation functionality
2. To understand the fele architecture and to come up with UML and architecture diagrams and explore more.
3. To research and understand about the working of SmartContract API and to prepare a design for it for our use case.
4. To update the channel creation logic after discussion with Dr. Yue
5. To work on adding the json schema validation for restful api and cli command tool in channel creation.
6. To implement delete channel api route and the cli command tool and adding organisations to the channel.
7. To make changes on test cases for cli commands that will assert the expected results with actual results.

8. To update the project website changes as per the feedback.