FELE

Meeting Date: February 07, 2023

Start Time: 09:00 AM

End Time: 10:50 AM

Attendance: Dr. Kewei Sha, Dr. Kwok-Bun Yue, Preethi Vuchuru, Ramachandra Petla, Sooraj Sivadasan Nair, Thomas Pulickal Joseph, Sesha Kumar Reddy Nallamilli, Shiva Phaneendra Reddy Medapati

Wrote By: Ramachandra Petla, Sesha Kumar Reddy Nallamilli, Shiva Phaneendra Reddy Medapati

Items Discussed

- Discussed about testing practices that need to be followed for testing the CLI commands.
- Discussed about the JSON file that was developed for creating the channel.
- Discussed about routes that are developed under restful API.
- Discussed about whether to separate 'policies' for channel configuration and use that in all channel configurations

Decisions Reached

- About testing tool
  - Need to spend time to know how to test by calling the commands and assert the expected results with actual results.
  - Need to log information about each test case. What is going to be the input and what are the expected and actual results instead of just pass/fail information
  - We need to separate data from the test cases to follow the separation of concerns design principle.
  - We can try putting all the FELE commands in one file and execute the commands and then test the results with assertions. We can restore the data at the end
    - Ex: execute abc.fele (where abc file contains all the fele commands)
- About JSON file
  - We need to include mod_policy (role-based access) in channel configuration files
  - We need to follow a naming convention to define the JSON in entire project.
  - We need to include network name in the channel configuration (To which network does the channel belongs to)
  - We need to add the policies at channel level.
  - We need to think of pros and cons for separating the policies of the channel configuration to another json as a reference or embed it in same channel configuration or think of any other design to make a justification for the final design chosen.
- About Restful API
  - Need to spend time to know the exact http methods we can use for different kinds of requests.
  - Need to organize the routes for better maintainability

Items for Next meeting

[1] Progress on the Channel create, update, delete functionalities for CLI, Restful API.

[2] Progress on developing a JSON Schema Validator in Node JS to validate the JSON against the JSON Schema.

[3] Progress on the CLI Testing tool to include the actual vs expected testcases functionality and on separating data from the testcases.

[4] Designing the BlockAware feature for the network. To discuss the ideas on how it could be implemented.