

Week 2 report

Subject: Security and Privacy Modeling and Implementation with ALFA and Fabric 29th January – 4th February weekly report

Body:

The 2nd week started with the internal team meeting. The feedbacks from the mentors and RA's meetings were considered as the valuable points to start with the basics. The everyone shared their knowledge and experience about blockchain. Everyone was asked to study the basic concepts on blockchain. This week everyone was able to install and successfully run the test network to their system. In the instructor meeting, Dr. Kewei Sha asked the team to set up the network for all the systems, Learn the concepts on CA, MSP and ALFA. He asked to read through all the documents available from the past team. He shared that the team would be working on Approval process as the use case for this blockchain project. We were asked to collect the BPMN Diagram from Dr. Wei Wei. Later week Team had there internal meeting to discuss on general topics and questions. The team discussed Basic Hyperledger Fabric network: Creating network, joining nodes to the channel, running the fabric test network, MSP, peers, consortium and tried to deploy and run the past project. There were some errors, which are yet to solve.

Accomplished Items:

1. Setup the network
2. Initial questions review from the RA's.
3. Learning basic concepts on Fabric network.
4. Understanding Consortium, network, Peers.
5. Collecting resources for the website.
6. Testing the basic test network sample.
7. Received BPMN diagram from Dr. Wei Wei.

Active Item:

1. Building Website.
2. Learning CA's, MSP.
3. Setting up the ALFA plugin with eclipse.
4. Setup the past project.
5. Run and execute the past project.
6. Learning about ABAC, Smart Contract.
7. Writing sample smart Contract.
8. Attributed storage and how to access it.

Planned Items:

1. Learning about ALFA
2. Getting hands on with ALFA.
3. Use Case diagram.
4. Security Policy in English.
5. Writing sample programs on go language.
6. Get Security Policies.