

Security and Privacy Modeling and Implementation with XACML/ALFA and Fabric

Meeting Date: January 28, 2022

Start Time: 9:15 AM

End Time: 10:20 AM

Attendees: Dr. Yue, Dr. Sha, Siddhartha Illa, Venkata Naga Bhaavagni Maddi, Farhana Shaik Begum, Sripada Vallabh Kaparathi, Ganesh Nyaupane, Shanmuk Sai Chakka, Vaibhav Rohitkumar Modi, Lasya Janga, Akhila Akula, Rakesh Perne, Abhishek Kumar Singh

Prepared by: Bhaavagni Maddi

Items Discussed:

1) Shanmuksai - Clarification on the answers for the initial questions asked. What are the assets we need to use for the project? Dr. Yue.

a) One is Change request; the other is MBSE model.

b) Team-2 will be dealing with ABAC attributes.

Who can do the Change request?

Dr. Yue.

a) Team-2 is supposed to build the security policies and that information can help the Team-1 to allow a particular user to perform a particular action.

2) Bhaavagni– Requested for GitHub repos of previous Capstone project

Dr. Yue.

a) Use only the previous code as a reference as it contains few implementation problems.

What is the link between Project-1 and Project-2?

Dr. Yue.

a) Team-2 is supposed to write the Security policies for the Smart Contracts and check for the data integrity, business logic.

Dr. Sha.

a) One initial thing is to setup the fabric.

Items for next week:

1) Learn the basics of blockchain and Fabric. Set up the initial Fabric network. Ensure the code developed by the previous team is working and get a better understanding of it.

2) Understand the MBSE asset model deep enough for development.

3) Install VS Code and Set up IBM Blockchain VS Code extension

4) Set up MiniFab and write basic Smart Contracts