





Advanced Blockchain Support for Tracking Liquid Fuel Distribution

Group Members: Anish Katkamwar Atharva Agade Shubhankar Gaikwad

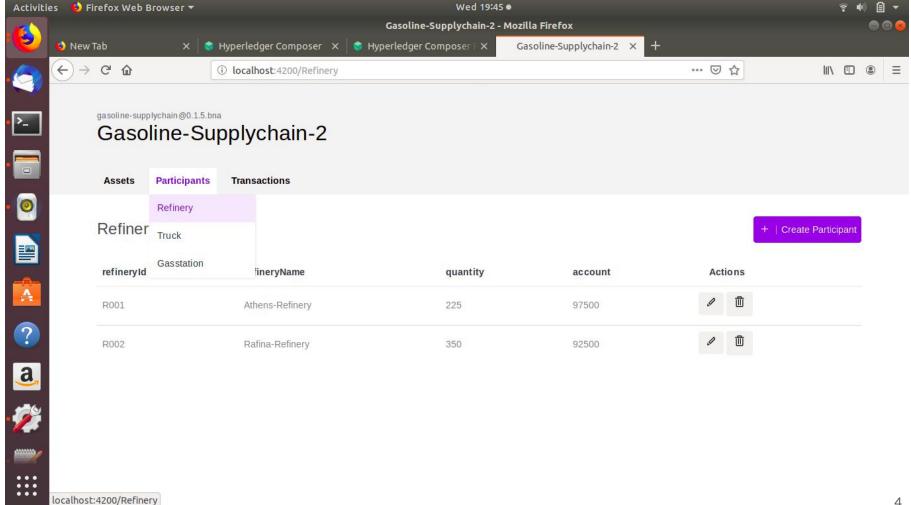
Under guidance of: **Dr. Sofoklis Efremidis**

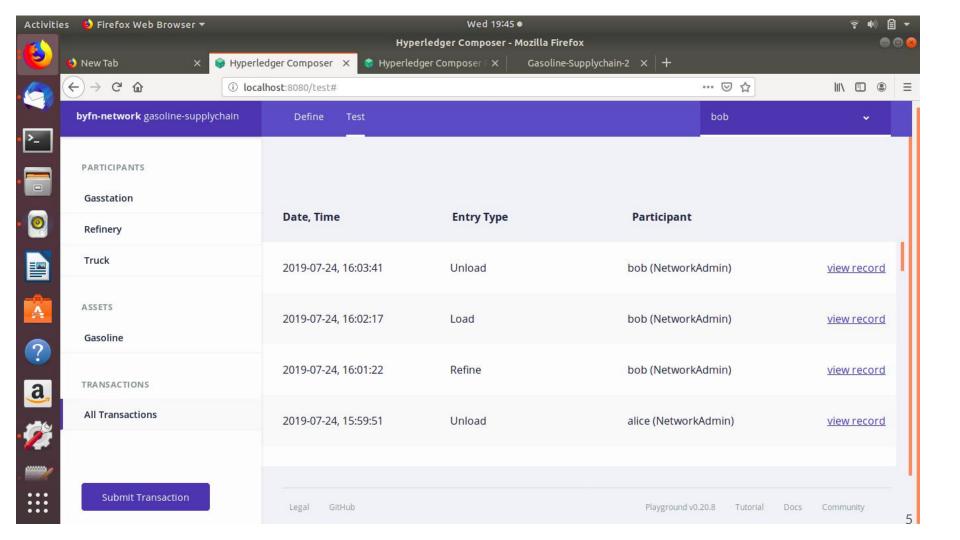
Previous Work

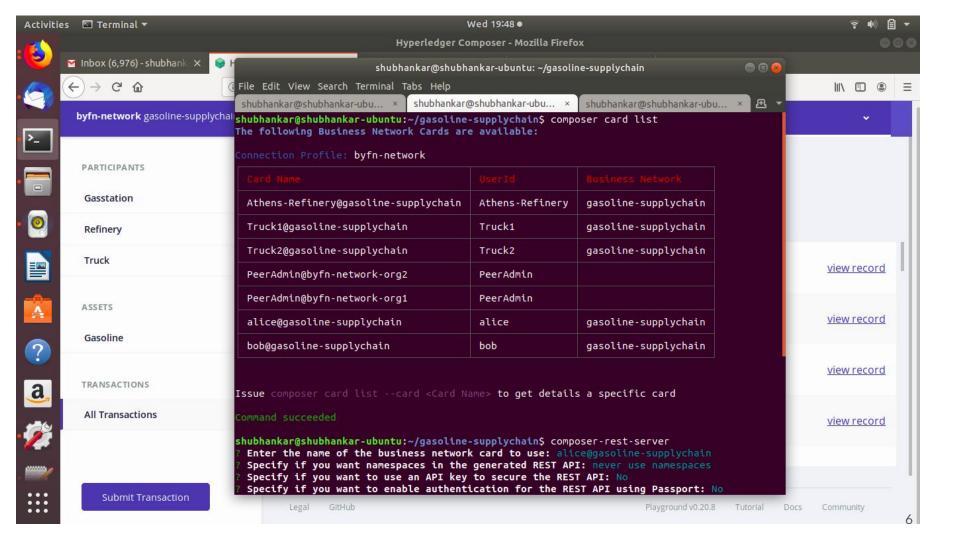
- Designed a smart contract for the transportation of liquid fuel
- Created a business network for a single organization
- Deployed the business network to hyperledger fabric

Current Work

- Smart contract for automation of payments
- Display transaction records on hyperledger playground
- Created a multi organization business network
- Deployed the multi organization network on fabric







Summary

Successfully deployed a blockchain application for supply of Gasoline which -

- Reduces cash cycle time
- Makes transaction more efficient
- Reduces cost intermediaries
- Increases transaction visibility & reduces fraud and crime

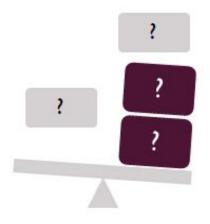
Future Scope

- Deploying to multiple machines
- Integrating with financial accounts
- Adapting to realistic conditions

Conclusion

- Blockchain has the potential to generate substantial benefits for companies in the chemicals and petroleum industry.
- Blockchain technologies enable faster, permissioned, immutable, transparent and auditable business-to-business transactions among participants in the network and their suppliers, distributors and partners.
- Blockchain adoption across the chemicals and petroleum industry and strategic ecosystem suppliers has the potential to transform how companies work across operations on a global industry scale, delivering meaningful value for every participant in the supply chain network.

THANK YOU



ANY QUESTIONS?

18