Administration toolkit for HLF by Sberbank

Session Topic or Project

Hyperledger Fabric

- (, ) order service
- - private collections
- - Query/Invoke

You will see a demo of Sberbank administration toolkit for Hyperledger Fabric. The main idea of the product is to make network administration more user-friendly with a specialized web application. See below a list of features to be shown in the demo and available to try during the workshop:

- Swift and easy HLF deployment with minimal configuration
- Dynamic adding new organizations to the network (consortium, channel)
- Dynamic bootstrapping and extending of ordering service based on RAFT
- Dynamic chaincode installation with private collections support
- Dynamic web application deployment
- Query/Invoke chaincode

Session Leader

Vladimir Popov

Time Slots and Spaces

90 minutes

Day 1, Aurum, 11:30 - 13:00

Experience Level of Participants

Intermediate

Session Language

Russian

Programming Language(s)

- C / C++
- Go
- Java
- Javascript
- Python
- Rust
- Bash

Other Prerequisites

None

The Plan

1. The problem definition, architecture overview
2. Admin web console demo
   a. creating network
   b. adding participants to ordering service
   c. configuring components and parameters with admin console
3. Development plans
4. Exercises (creating an ordering service among workshop participants)
The Goals
Attendees will be able to deploy an orderer node and a peer node, form a new network with, join to the ordering service.

Software to Install Before
Docker, docker-compose

Special Equipment Required
projector and screen, power