10/19/23, 8:49 AM Blueventure: Blockchain Lab

Blueventure: Blockchain Lab

Track-and-Trace Blockchain Workshop for Hyperledger Fabric 2.2 (BETA) X

- Create a Hyperledger Fabric Network
 - Create Network & Member
 - Accept invite and create Supplier member

Congratulations

- Setup Development Environment
- ▶ Set up a Fabric client
- ▶ Write and deploy chaincode
- Invoking chaincode via API
- ▼ Building a frontend Install dependencies

Generate configurations

AWS account access

Open AWS console (us-east-1)

Get AWS CLI credentials

Exit event

Event dashboard > Building a frontend > Generate configurations

Generate configurations

The frontend requires some settings that are unique to the infrastructure that has been deployed during this workshop. The following commands retrieve these settings and save them to files that will be read by the React app on startup.

Execute the following steps from your Cloud9 terminal.

Retrieve Cognito and AppSync information and write into src/aws-exports.js file

```
export POOLID=$(aws cognito-idp list-user-pools --max-results 60 | jq -r '.UserPools | .[] | select(.Name == "ambSupplyChainUser$
     export CLIENTID=$(aws cognito-idp list-user-pool-clients --user-pool-id $POOLID | jq -r .UserPoolClients[0].ClientId)
     export GRAPHQL_ENDPOINT=$(aws appsync list-graphql-apis | jq -r '.graphqlApis | .[] | select(.name == "AMBSupplyChainAPI" and .authenti
     cat <<EOT > $HOME/environment/amb-hf-workshop-supplychain-app/frontend/src/aws-exports.js
     const awsconfig = {
7
       aws project region: "$AWS DEFAULT REGION",
8
       aws_cognito_region: "$AWS_DEFAULT_REGION",
9
       aws_user_pools_id: "$POOLID",
       aws user pools web client id: "$CLIENTID",
10
       aws_appsync_graphqlEndpoint: "$GRAPHQL_ENDPOINT",
11
12
       aws_appsync_region: "$AWS_DEFAULT_REGION",
13
       aws appsync authenticationType: "AMAZON COGNITO USER POOLS",
14
       aws_mandatory_sign_in: true
15
16
     export default awsconfig;
     EOT
```

Retrieve users' credentials and write into src/workerNames.js file

```
export WORKER1_PASSWORD=$(aws secretsmanager get-secret-value --secret-id="HLF-MEMBER-PW-NETWORK-${NETWORKID}-ACCOUNT-${WORKER1_NAME}"

export WORKER2_PASSWORD=$(aws secretsmanager get-secret-value --secret-id="HLF-MEMBER-PW-NETWORK-${NETWORKID}-ACCOUNT-${WORKER2_NAME}"

cat <<EOT > $HOME/environment/amb-hf-workshop-supplychain-app/frontend/src/workerNames.js

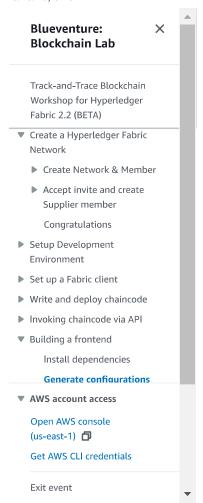
const workerNames = {
    "worker1": "$WORKER1_NAME",
    "worker2": "$WORKER1_NAME",
    "worker1Password": "$WORKER2_PASSWORD",
    "worker2Password": "$WORKER2_PASSWORD"

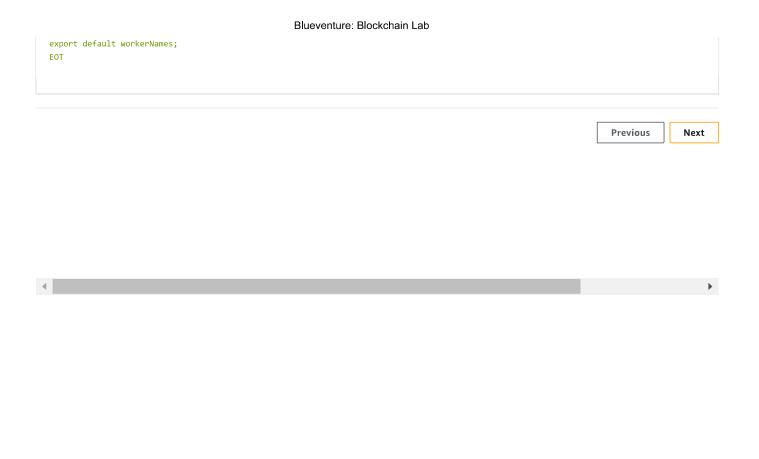
};

10
};
```



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