10/19/23, 8:48 AM Blueventure: Blockchain Lab

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

- 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

Deploy CDK application

Store user secrets

Create Cognito users

▼ AWS account access Open AWS console

(us-east-1)

Get AWS CLI credentials

Exit event

Event dashboard > Invoking chaincode via API > Run test queries

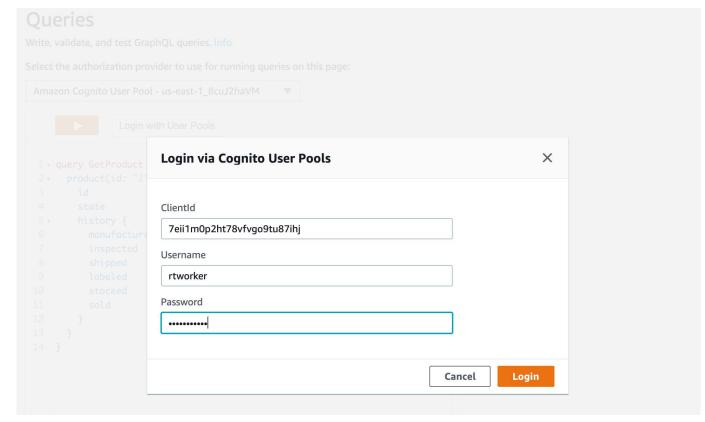
Run test queries

Your last step will be to execute a test query to verify that the new API is working properly. Select **Queries** from the left sidebar in AppSync. Click **Login with User Pools**, select the user pool client ID from the first drop-down, then put in a username for one of your workers.

rtworker should work for the Retailer, and spworker for the Supplier. For each user, the password can be retrieved from AWS Secrets Manager via your Cloud9 environment terminal. Enter the password for the user you wish to log in as and click **Login**.

You can retrieve passwords as follows:





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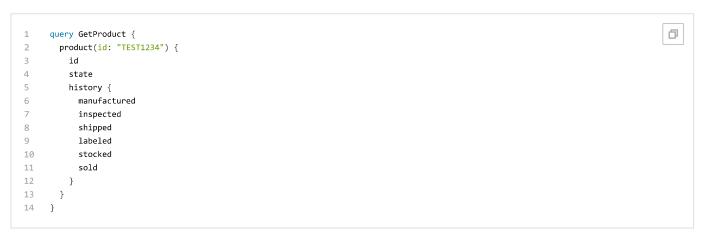
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Open AWS console (us-east-1)

Get AWS CLI credentials

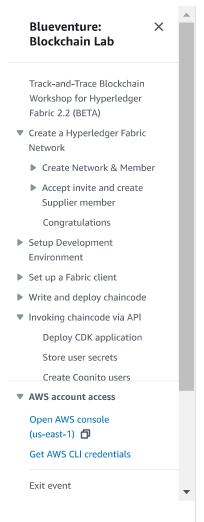
Exit event

After logging in, try pasting the following query in and executing it by clicking the orange play icon.



It should return the record you created earlier in module three.





```
AWS AppSync > SupplyChain API > Queries
Queries
Write, validate, and test GraphQL queries. Info
Select the authorization provider to use for running queries on this page:
 Amazon Cognito User Pool - us-east-1_... ▼
                 Logout rtworker
                                                                                                                       < Docs
  1 ▼ query GetProduct {
       product(id: "TEST1234") {
                                                                    "data": {
          id
                                                                       "product": {
  4
          state
                                                                         "id": "TEST1234",
  5 ₹
                                                                         "state": "sold",
          history {
  6
           manufactured
                                                                         "history": {
            inspected
                                                                           "manufactured": "2020-08-14T17:58:15.432Z",
  8
            shipped
                                                                           "inspected": "2020-08-14T17:58:27.357Z",
  9
           labeled
                                                                           "shipped": "2020-08-14T17:58:36.083Z",
 10
            stocked
                                                                           "labeled": "2020-08-14T17:59:15.281Z",
 11
            sold
                                                                           "stocked": "2020-08-14T17:59:08.987Z",
 12
                                                                           "sold": "2020-08-14T17:59:21.448Z"
 13
       }
 14 }
 15
                                                                    }
      QUERY VARIABLES
                                                                      LOGS
```

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