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**Lesson 6 Demo 6**

**Explorer**

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| **Objective:** Getting started with Hyperledger Explorer  **Tools required:** Ubuntu, Web browser, and Terminal  **Prerequisites:** None |

Steps to be followed:

1. Creating a new directory with the name **fabric-explorer** in home
2. Downloading necessary files under the fabric-explorer folder
3. Copying Organization folder from test-network to fabric-explorer folder
4. Opening **docker-compose.yaml** file and replacing volume path
5. Going to the connection-profile folder and editing the **test-network.json** file
6. Starting the explorer

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| **Note:** Make sure that the network is up and running. Check the network name by running the command: ***docker network ls***  As you can see network name is **fabric\_test**. |

**Step 1: Creating a new directory with the name “fabric-explorer” in home**

* 1. Enter the given command in the terminal:

***mkdir fabric-explorer***

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**Step 2: Downloading the given files under the fabric-explorer folder**

***wget https://raw.githubusercontent.com/hyperledger/blockchain-explorer/main/examples/net1/config.json***

***wget https://raw.githubusercontent.com/hyperledger/blockchain-explorer/main/examples/net1/connection-profile/test-network.json -P connection-profile***

***wget*** [***https://raw.githubusercontent.com/hyperledger/blockchain-explorer/main/docker-compose.yaml***](https://raw.githubusercontent.com/hyperledger/blockchain-explorer/main/docker-compose.yaml)

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**Step 3: Copying Organization folder from test-network to fabric-explorer folder**

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3.1 Enter the given command in the terminal to copy the organization folder from the test network to the fabric-explorer folder.

***cp –r fabric-samples/test-network/organizations/ fabric-explorer***

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**Step 4: Opening docker-compose.yaml file and replacing volume path**

4.1 Existing file

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4.2 New file

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**Step 5: Going to the connection-profile folder and editing the test-network.json file**

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5.1 Update the **adminPrivateKey**. You need to key in the below path with the correct one

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5.2 Correct key is below one. Update this key name in the above file

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This is the updated admin key.

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5.3 Now we need to update **signcert** also in the same file

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5.4 The correct cert is given below

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Update the cert name like below

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**Step 6: Starting explorer**

6.1 Enter the below command in the terminal

***sudo docker-compose up***

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6.2 It will start the explorer at 8080 port

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6.3 Now open the given URL in the browser

[***http://localhost:8080***](http://localhost:8080)

It asks to provide the credentials to log in.

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6.4 Use the below credentials to log in. The same can be found in the **connection-profile/test-network.json** file

***User- exploreadmin***

***Password- exploreradminpw***

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This starts the explorer, and the home page is as below.

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