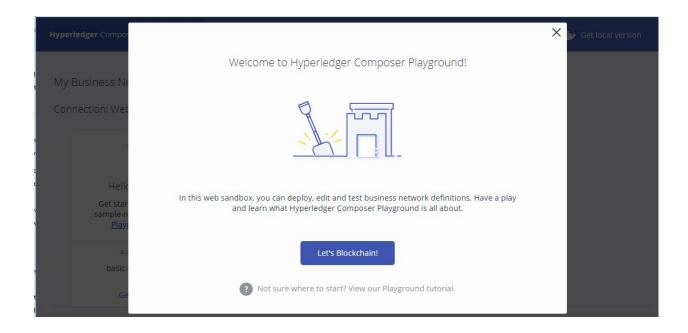
Hyperledger Composer Playground Example

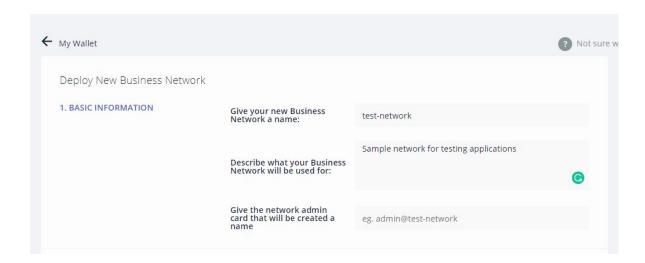
• Creating the business network

Step 1. Open the Hyperledger Composer Playground

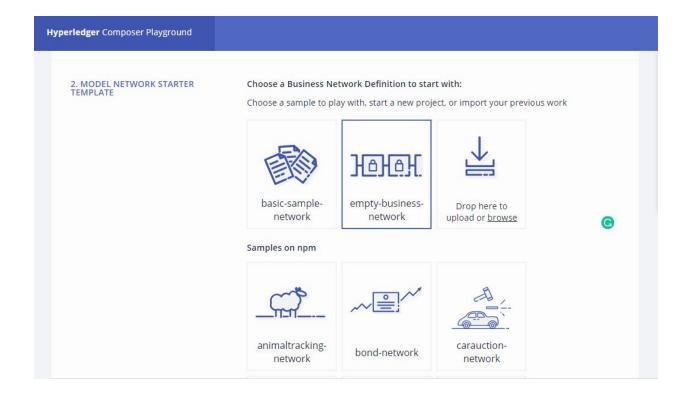


Step 2. Create a new business network

Step 2.1: First enter the basic information:



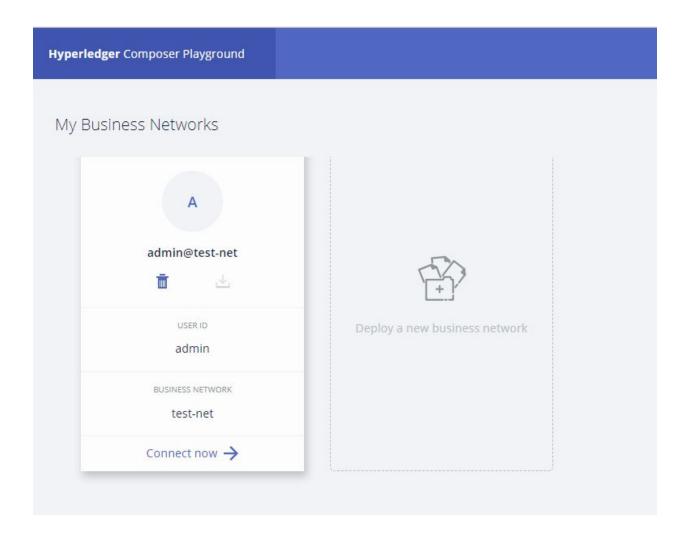
Step 2.2: Now choose the empty-business network template:



Step 2.3: Now click on deploy to create the network:

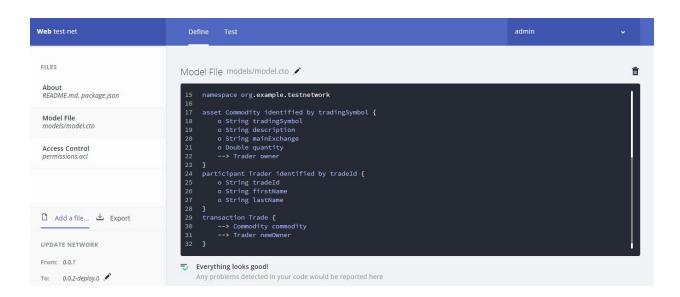


Step 3. Connect to the business network



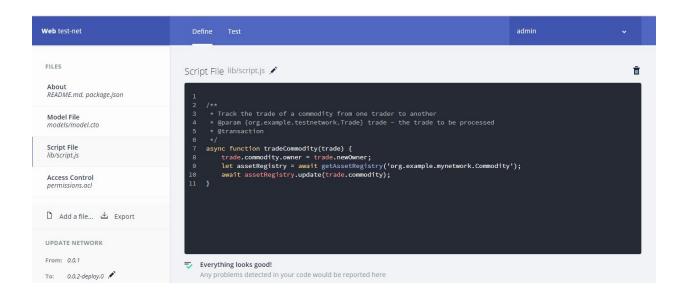
Step 4. Add a model file into your business network

```
/**
 * My business network
namespace org.example.testnetwork
asset Commodity identified by tradingSymbol {
    o String tradingSymbol
    o String description
    o String mainExchange
    o Double quantity
    --> Trader owner
}
participant Trader identified by tradeId {
    o String tradeId
    o String firstName
    o String lastName
}
transaction Trade {
    --> Commodity commodity
    --> Trader newOwner
}
```

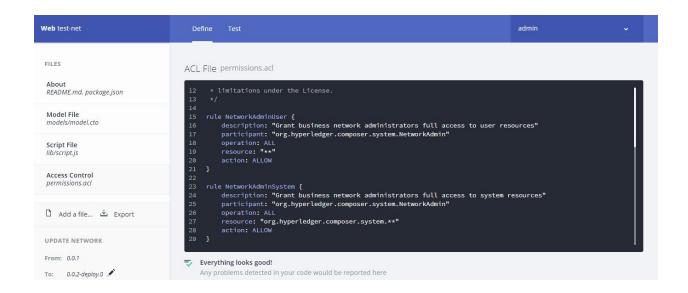


Step 5. Add a transaction script file

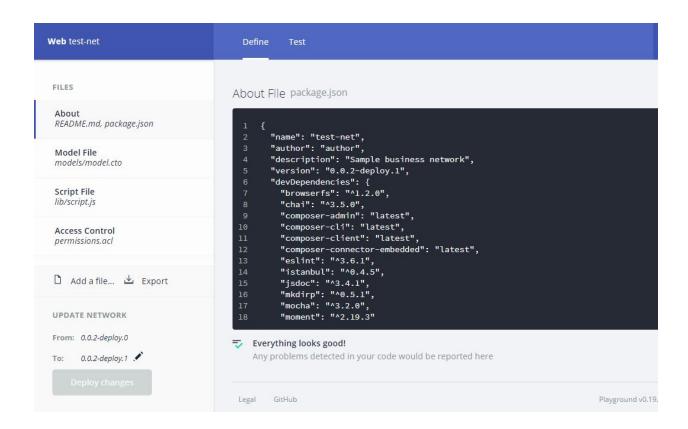
```
/**
  * Track the trade of a commodity from one trader to another
  * @param {org.example.testnetwork.Trade} trade - the trade
to be processed
  * @transaction
  */
async function tradeCommodity(trade) {
    trade.commodity.owner = trade.newOwner;
    let assetRegistry = await
getAssetRegistry('org.example.mynetwork.Commodity');
    await assetRegistry.update(trade.commodity);
}
```



Step 6. Add a permissions file



Step 7. Deploy the created business network

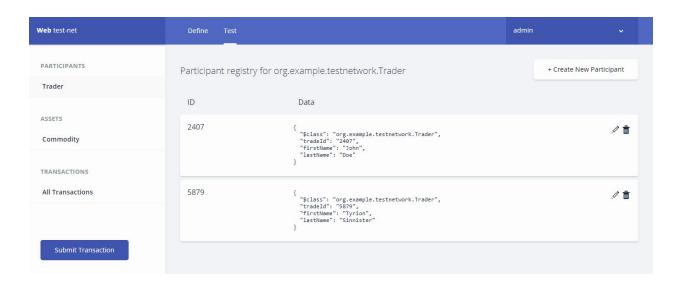


Test the created business network

Step 1. Creating Participants

Participant 2:

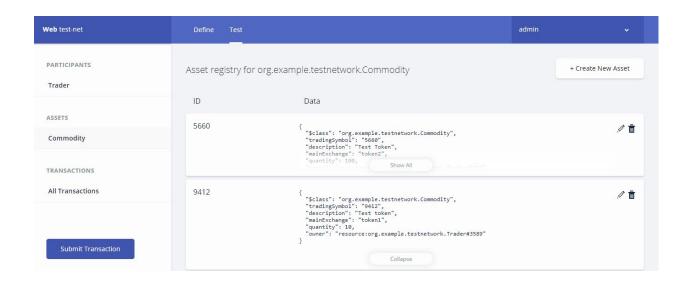
```
{
  "$class": "org.example.testnetwork.Trader",
  "tradeId": "trader2",
  "firstName": "Tyrion",
  "lastName": "Sinnister"
}
```



Step 2. Create Asset

Asset 1:

```
"$class": "org.example.testnetwork.Commodity",
"tradingSymbol": "XYZ",
"description": "Test Token",
"mainExchange": "token2",
"quantity": 100,
"owner": "resource:org.example.testnetwork.Trader#trader1"
}
```



Step 3. Transfer assets

```
{
   "$class": "org.example.samplenetwork.Trade",
   "commodity":
"resource:org.example.samplenetwork.Commodity#GOT",
   "newOwner":
"resource:org.example.samplenetwork.Trader#trader2"
}
```

