Multiple user identity and authentication

**Step 0:**

**Go to fabric-tools folder and in terminal type**

./stopFabric.sh

./teardownFabric.sh

./startFabric.sh

./createFabric.sh

**Then go inside the deployed network (for me its test-network)**

Then run

./reload.sh

**[**

Or make sure admin is logged in to the deployed test-network﻿ using the following command

composer-rest-server -p hlfv1 -n test-network -i admin -s adminpw

**]**

**Step 1:**

composer participant add -p hlfv1 -n 'test-network' -i admin -s adminpw -d '{"$class":"org.acme.mynetwork.Trader","tradeId":"bob1","firstName":" bob","lastName":"dylan","company":"Capgemini"}'

composer participant add -p hlfv1 -n 'test-network' -i admin -s adminpw -d '{"$class":"org.acme.mynetwork.Trader","tradeId":"alice1","firstName":" alice","lastName":"vikander","company":"IGate"}'

**Step 2:**

composer identity issue -p hlfv1 -n 'test-network' -i admin -s adminpw -u bob1 -a "resource:org.acme.mynetwork.Trader#bob1"

userID = bob1 userSecret = xPjOPfHrBliR

composer identity issue -p hlfv1 -n 'test-network' -i admin -s adminpw -u alice1 -a "resource:org.acme.mynetwork.Trader#alice1"

userID = alice1 userSecret = TWLiWWTrNuON

﻿

**Step 3:**

**For Bob**

composer-rest-server -p hlfv1 -n test-network -i bob1 -s xPjOPfHrBliR

﻿Github

Client ID

﻿ ﻿b2d1ee6f4dac6498b63f

Client Secret

﻿ ﻿21fd2f5869ef3e01e5f60d22d7323aad9004b1ae

﻿

export COMPOSER\_PROVIDERS='{

"github": {

"provider": "github",

"module": "passport-github",

"clientID": "b2d1ee6f4dac6498b63f",

"clientSecret": "﻿21fd2f5869ef3e01e5f60d22d7323aad9004b1ae",

"authPath": "/auth/github",

"callbackURL": "/auth/github/callback",

"successRedirect": "/",

"failureRedirect": "/"

}

}'

**For alice**

composer-rest-server -p hlfv1 -n test-network -i alice1 -s AfnYpEcqYBHM

Github

Client ID

a8ab616e6dea2e92ea04

Client Secret

62e300b62c5f5005c8fcf103af6eefb57ddff48b

export COMPOSER\_PROVIDERS='{

"github": {

"provider": "github",

"module": "passport-github",

"clientID": "a8ab616e6dea2e92ea04",

"clientSecret": "﻿62e300b62c5f5005c8fcf103af6eefb57ddff48b",

"authPath": "/auth/github",

"callbackURL": "/auth/github/callback",

"successRedirect": "/",

"failureRedirect": "/"

}

}'

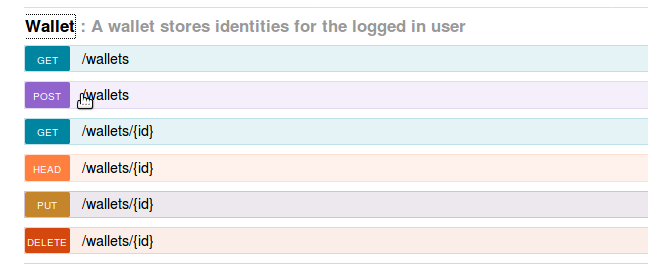
**Step 4:**

Now run the rest server in multiuser mode

﻿

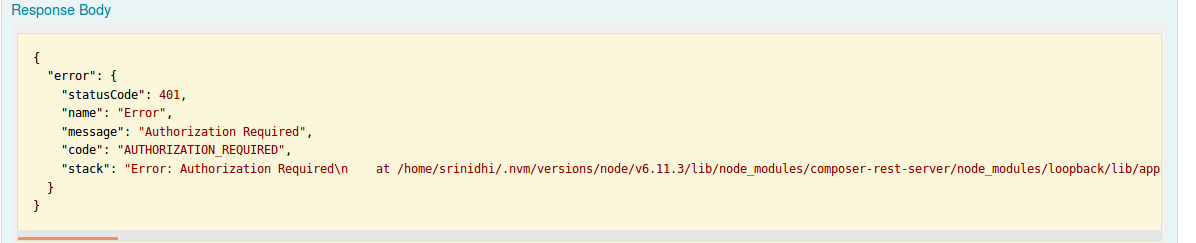
composer-rest-server -p hlfv1 -n test-network -i admin -s adminpw -a true –m true

It will loopback and add a wallet endpoint to the rest collections



***Now getting the /wallets operation will be rejected and asks for authorization (which indicates successful authentication has been done )***

﻿

**

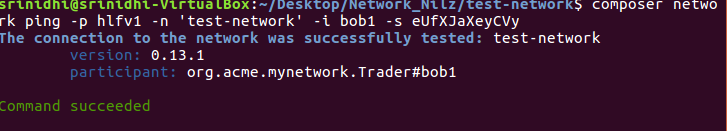
**N.B. [**

Check if the identity is added and issued to blockchain or not

*composer network ping -p hlfv1 -n 'test-network' -i admin -s adminpw*

*composer network ping -p hlfv1 -n 'test-network' -i bob1 -s* iVxxvgslkiIw

*composer network ping -p hlfv1 -n 'test-network' -i alice1 -s* AfnYpEcqYBHM



If not add the user using the ***step 2*** above.

**]**

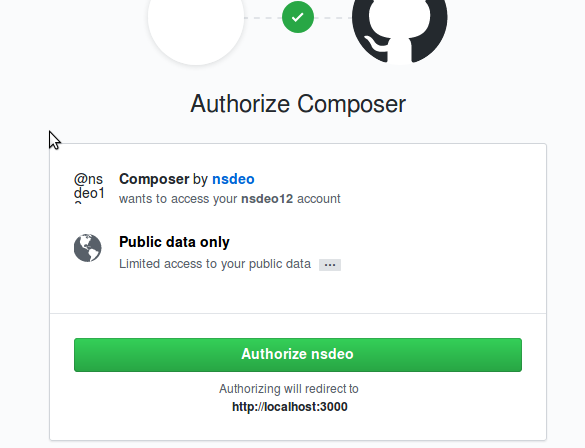
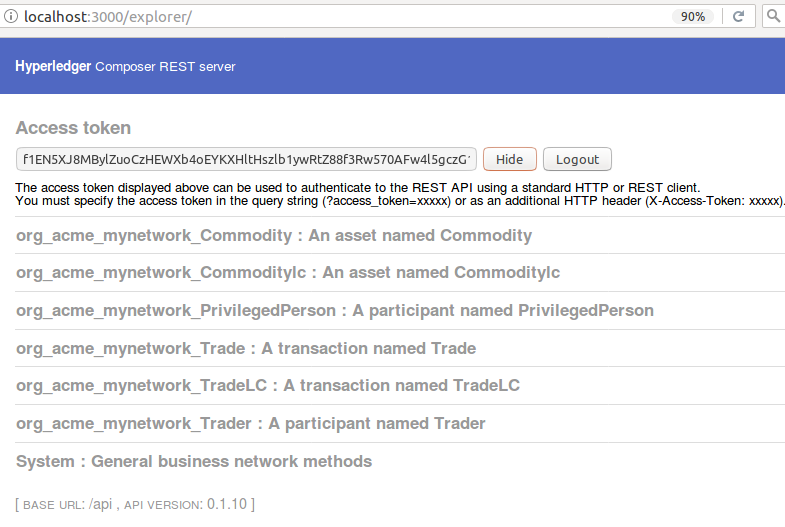
**Step 5:**

**Now login as bob1 as below to authorize the application**

composer-rest-server -p hlfv1 -n test-network -i bob1 -s iVxxvgslkiIw -a true -m true

**Now go to the link below**

**It will show the github screen asking for authorization.so authorize it.**

****

**Step 6:**

**Now login as alice1 and authorize from another github account**

composer-rest-server -p hlfv1 -n test-network -i alice1 -s AfnYpEcqYBHM -a true -m true

**Now go to the link below**

[**http://localhost:3000/auth/github**](http://localhost:3000/auth/github)

**It will show the github screen asking for authorization.so authorize it.**



Now go to the wallet and check for the stored credential using ﻿

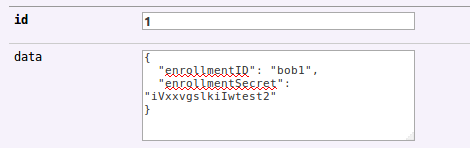
http://localhost:3000/api/wallets

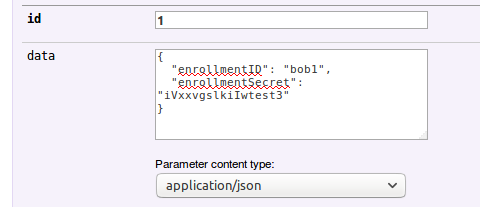


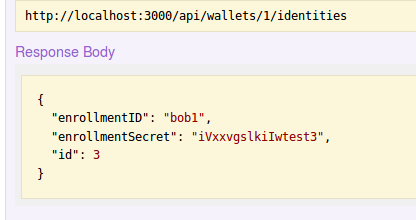
A new identity can be added using the following url too.

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Can’t follow the below post







﻿Authorizing admin with gihub

Github credential

**Client ID**

ec06841af2547dccc84a

**Client Secret**

2b136dd4338e111623a31f62ebc522778eaf373d

﻿

export COMPOSER\_PROVIDERS='{

"github": {

"provider": "github",

"module": "passport-github",

"clientID": "ec06841af2547dccc84a",

"clientSecret": "2b136dd4338e111623a31f62ebc522778eaf373d",

"authPath": "/auth/github",

"callbackURL": "/auth/github/callback",

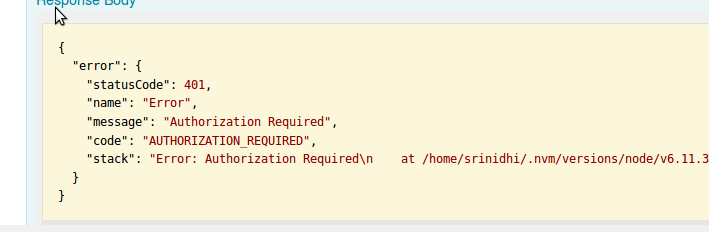
"successRedirect": "/",

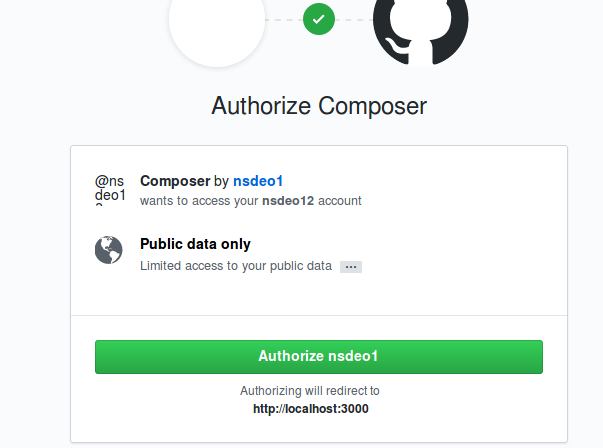
"failureRedirect": "/"

}

}'

Admin is not authorized if not linked to oauth





curl -v http://localhost:3000/api/system/ping?access\_token= FR2oQjhr6u9VxxtPQW6HVU3qK6lG2PItBGem16pGoqICvgj5tnSFAr3YZ1yrMSkB

﻿

curl -v -H 'X-Access-Token: FR2oQjhr6u9VxxtPQW6HVU3qK6lG2PItBGem16pGoqICvgj5tnSFAr3YZ1yrMSkB' http://localhost:3000/api/system/ping

﻿

composer-rest-server -p hlfv1 -n my-network -i admin -s adminpw -m true

﻿

composer identity list -p hlfv1 -n ‘test-network’ -i admin -s adminpw