**GOAL:**

1 rootaddress get their bitcoin address

2 sparql query to get all the address this rootAddres have send money

3 for each address in 2 search in onename by address the onename user owners

4 for each onename found it, look for his twitter username

5 check if this twitter user is friend from the rootaddress owner

6- done

**Startup the D2RQ**  
  
ssh admin@46.101.180.63

cd /home/admin/sabo/Blockchain\_Project/d2rq-0.8.1/  
  
./d2r-server --port 2020 -b http://46.101.180.63:2020/ toshi-map.ttl

GET INPUT ADDRESS (& OUTPUT ADDRESSES )  
  
[https://blockchain.info/rawtx/\*HASH\*GOES\*HERE\*](https://blockchain.info/rawtx/*HASH*GOES*HERE*)

curl [https://api.onename.com/v1/users\'6a3f8ffc7bd83d68723c02e26b486981:a98b34613a258c6610f3b143c788a2e37a8878cfb444a8ea9eacc3af4b073700](https://api.onename.com/v1/users/%276a3f8ffc7bd83d68723c02e26b486981:a98b34613a258c6610f3b143c788a2e37a8878cfb444a8ea9eacc3af4b073700)'

curl https://api.onename.com/v1/users \ -u '6a3f8ffc7bd83d68723c02e26b486981:a98b34613a258c6610f3b143c788a2e37a8878cfb444a8ea9eacc3af4b073700'

Endpoint:   
  
<http://46.101.180.63:2020/>

SELECT ?s ?address WHERE {?s db:vocab/addresses\_address ?address} LIMIT 10

# SPARQL Queries:

Selects 10 transactions in transaction Leger:

SELECT DISTINCT \* WHERE {

?x <http://46.101.180.63:2020/resource/vocab/address\_ledger\_entries\_transaction\_id> ?o

}

LIMIT 10

-----------------------------------------------------------

SELECT DISTINCT \* WHERE {

<http://46.101.180.63:2020/resource/address\_ledger\_entries/36> <http://46.101.180.63:2020/resource/vocab/address\_ledger\_entries\_input\_id> ?v

}

LIMIT 10

