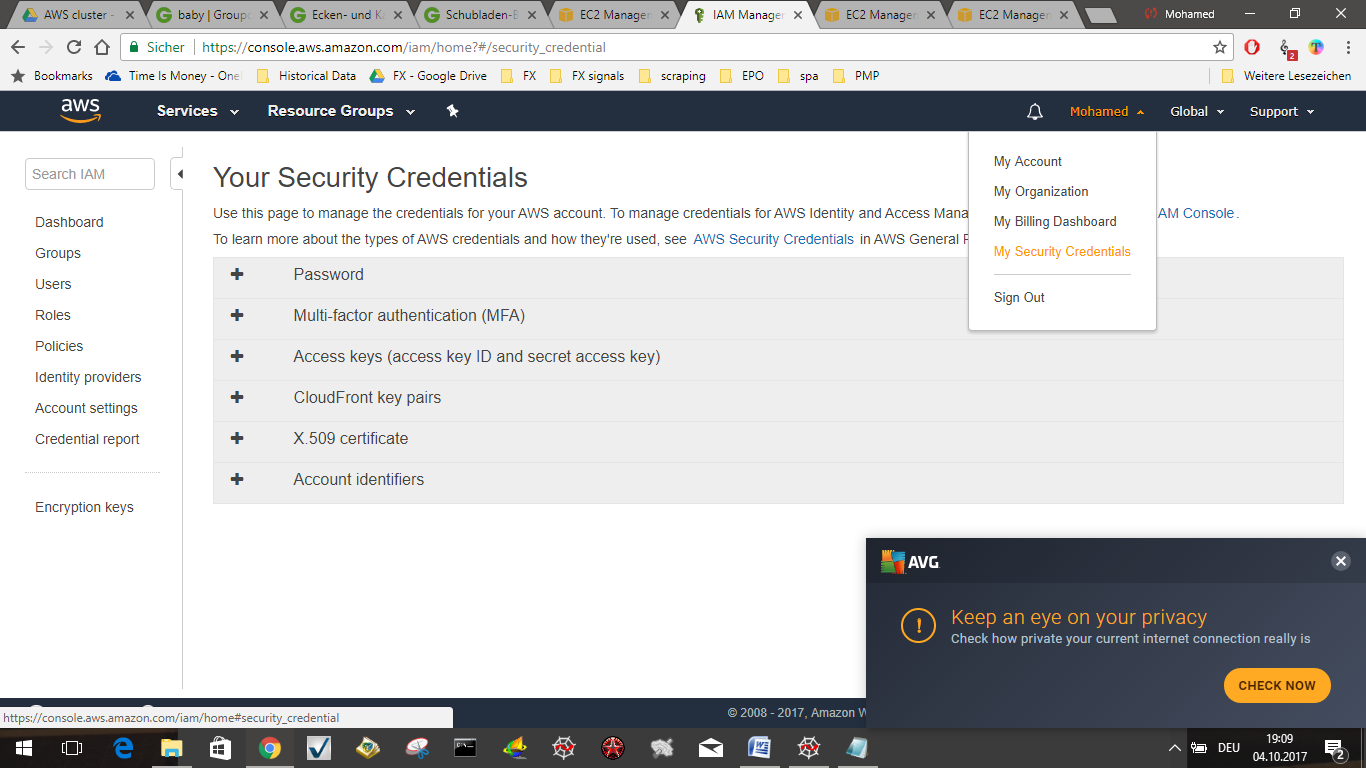
Running H2O on AWS cluster

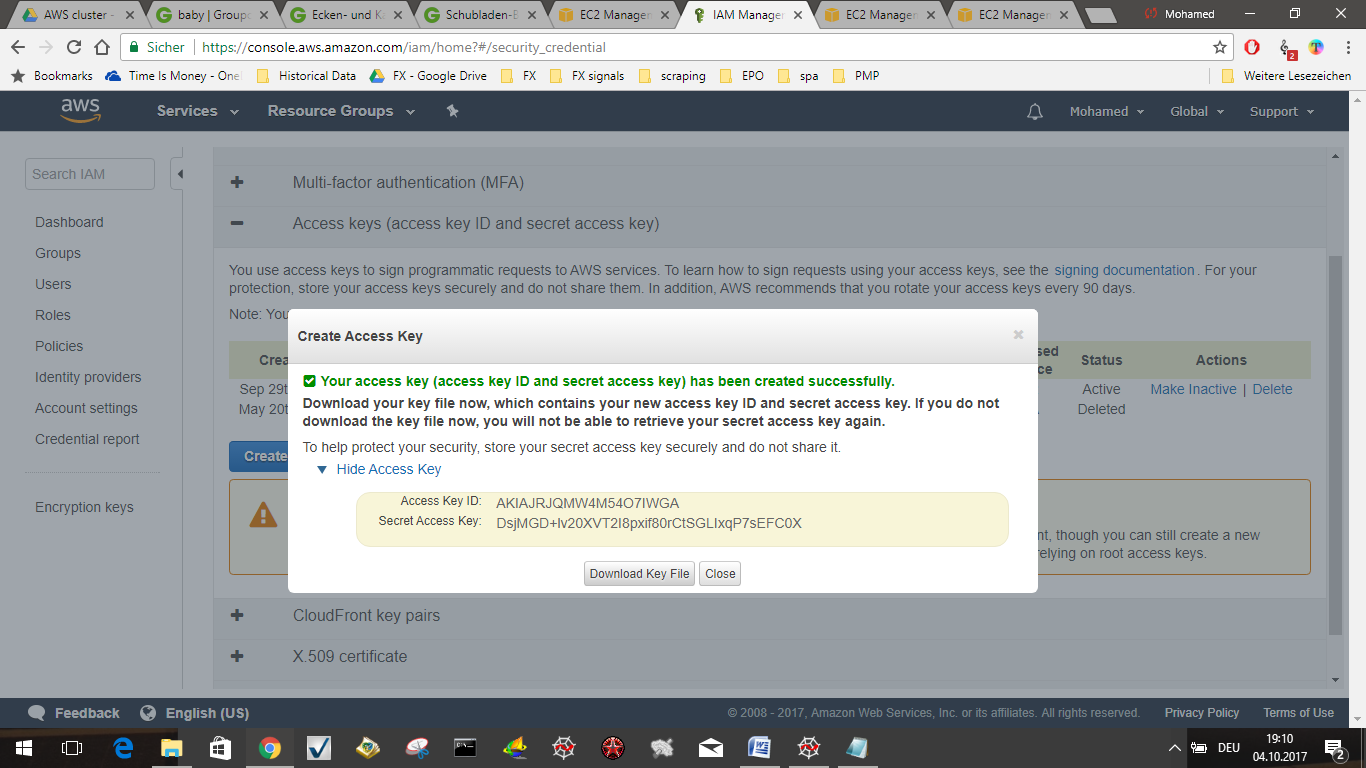
**Prerequisites:**

* AWS\_ACCESS\_KEY\_ID
* AWS\_SECRET\_ACCESS\_KEY
* Key pair .pem
* Network security profile

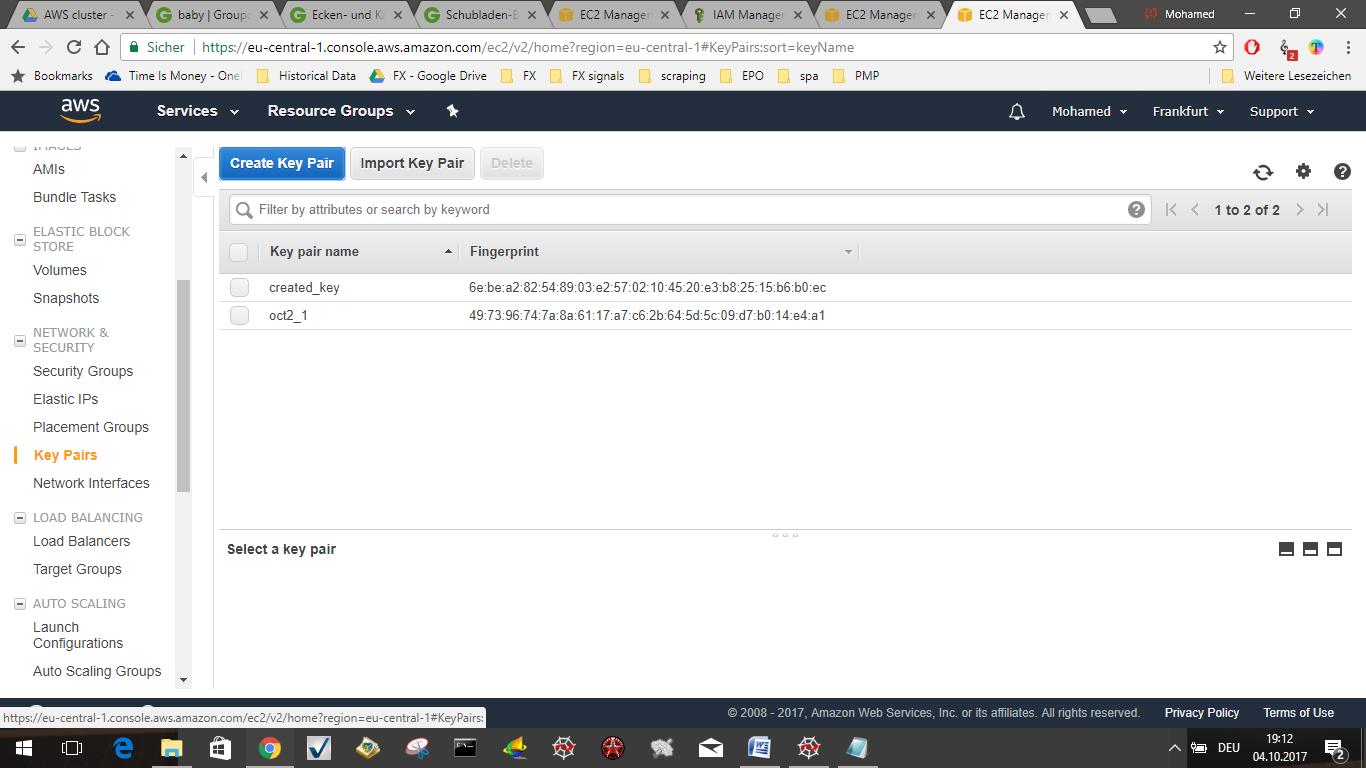
Click on my Security credentials



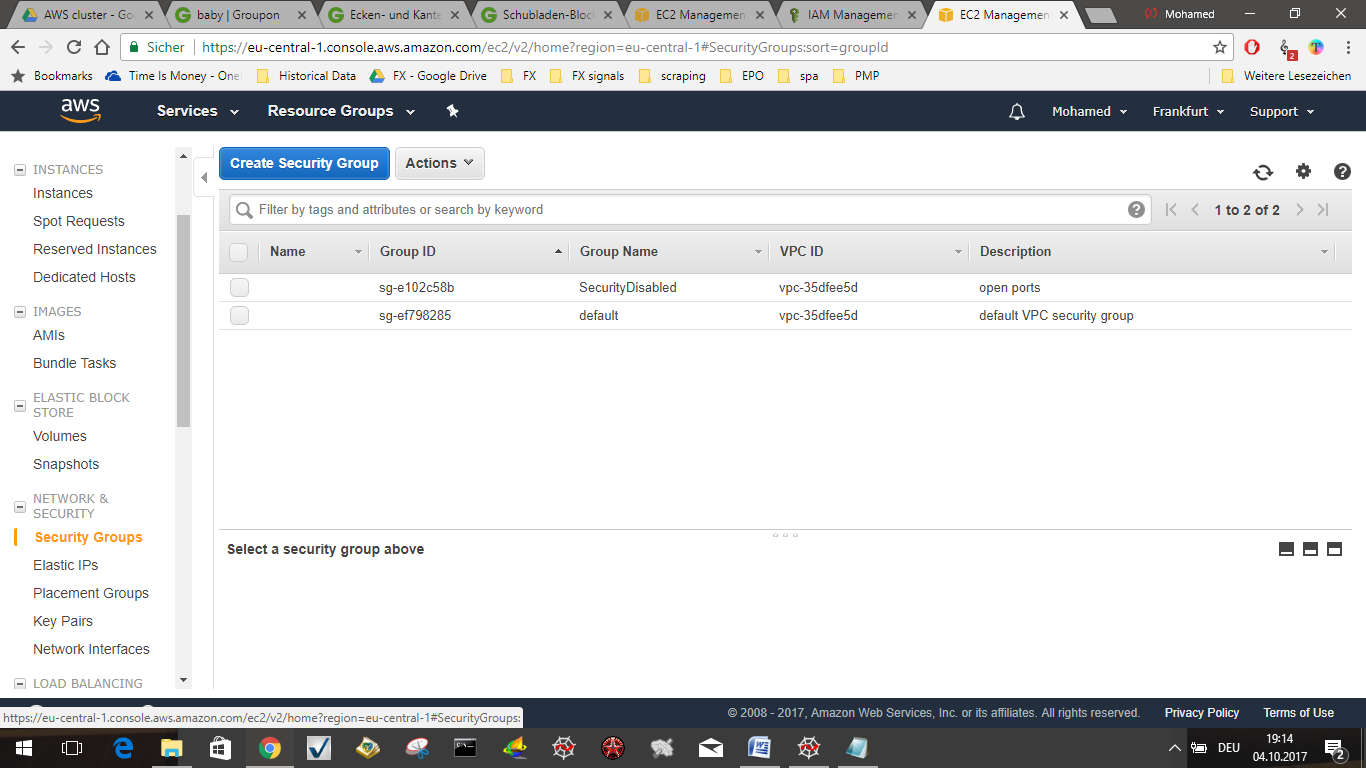
Click Access keys then create access keys



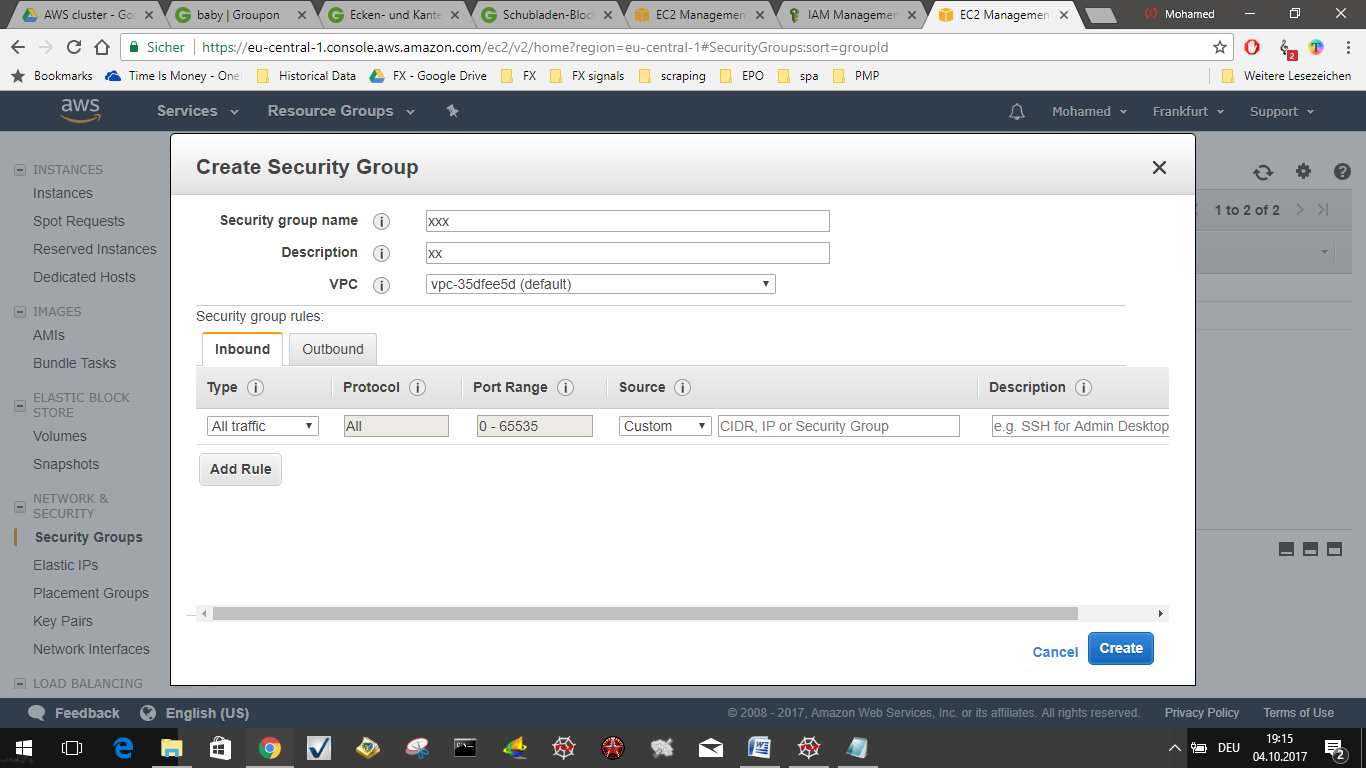
Create key pair, by going to ec2 dashboard then Network and security then create key pairs. Give it a name and save the key file .pem



Create a security group from ec2 dashboard then network&security then security groups



Create security group, save its name and add rule…All traffic



**Working procedure:**

First change the permissions rights of the key using

chmod 600 /path/to/key/key\_name.pem

On the linux machine, open ‘h2o-cluster-launch-instances.py’ and change the following

* Access key ID, access key, and path to the key file created  
  os.environ['AWS\_ACCESS\_KEY\_ID'] = 'AKIAJHHVRLCYUDSB2EQQ'

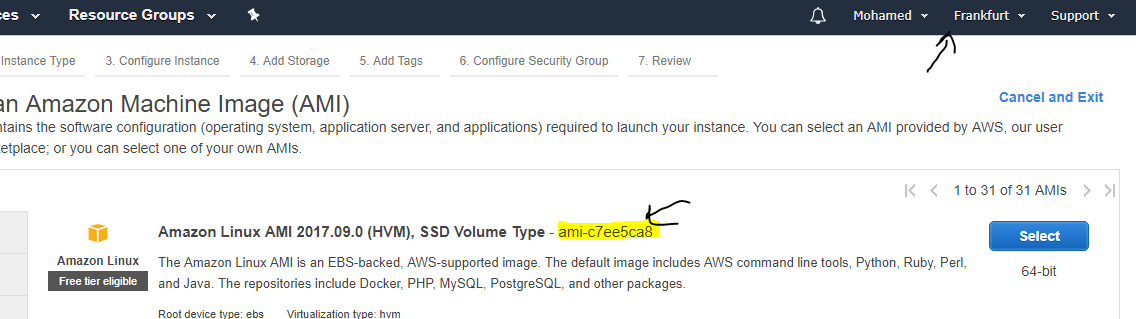
os.environ['AWS\_SECRET\_ACCESS\_KEY'] = 'Y5ZGZG4QJjmuUu3VPNUyMHxJc/MO3rhVutvfOIn7'

os.environ['AWS\_SSH\_PRIVATE\_KEY\_FILE'] = '/home/mohamed/Desktop/aws/created\_key.pem'

* Name of the key and security group name  
  keyName = 'created\_key'  
  securityGroupName = 'SecurityDisabled'
* Name and number of the instances  
  numInstancesToLaunch = 2

instanceType = 't2.micro'

instanceNameRoot = 'h2o-instance'

* Might need to check if the amiId is still the same as in the console, make sure it is the same region  
  
* Open ‘h2o-cluster-test-ssh.sh’, ‘h2o-cluster-distribute-flatfile.sh’, ‘h2o-cluster-download-h2o.sh’, ‘h2o-cluster-start-h2o.sh’ and add the path to the key file  
  AWS\_SSH\_PRIVATE\_KEY\_FILE="/home/mohamed/Desktop/aws/created\_key.pem"
* Open ‘h2o-cluster-distribute-aws-credentials.sh’ and add credentials and path to key  
  AWS\_ACCESS\_KEY\_ID="AKIAJHHVRLCYUDSB2EQQ"

AWS\_SECRET\_ACCESS\_KEY="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"

AWS\_SSH\_PRIVATE\_KEY\_FILE="/home/mohamed/Desktop/aws/created\_key.pem"

Now all files are ready. Either run the command

./run-all.sh

Or run one by one for debugging

./h2o-cluster-launch-instances.py

./h2o-cluster-download-h2o.sh

./h2o-cluster-distribute-aws-credentials.sh

./h2o-cluster-start-h2o.sh

Now open the browser on any of the public IPs of the clusters on port 54321

111.222.333.444:54321

Open Admin→Cluster status and make sure the number of nodes are there