**Additional instructions to set up virtual machine in Amazon AWS.**

Setup server: <https://github.com/seed-labs/seed-labs/blob/master/manuals/cloud/create_vm_aws.md>

connect to server:

* ssh -i "seed.pem" ubuntu@ec2-107-21-194-236.compute-1.amazonaws.com

On your EC2 instance, run the following

* sudo apt install net-tools
* sudo apt update
* sudo apt install apache2

Edit security group

* Add port 80 and 4433

Modify openssl.cnf in the [ usr\_cert ] section

* subjectAltName = DNS:cs642.com, DNS:www.cs642.com

Setup the ca.crt server.crt and download to check

* scp -i "seed.pem" ubuntu@ec2-107-21-194-236.compute-1.amazonaws.com:~/hw2/server.crt .

Read csr and crt files

* openssl req -text -noout -in server.csr
* openssl x509 -text -noout -in your-certificate.crt

Use ip to access 107.21.194.236:4433

Make a mapping /etc/hosts from cs642.com to 107.21.194.236

Then use cs642.com to access:4433