

Program-7

Hosting Static website on EC2 instance

Launch EC2 Instance

Create VPC → Create IGW → Create Subnet → Route table and assign RT to Public VPC → Edit RT and assign 0.0.0.0/0 to access internet & assign created IGW and Save changes → In RT Subnet association → Save Association → Create EC2 instance (after selecting AMI, instance type and key pair) → Edit Network settings and specify the resources you have created and choose Public IP → Enable Auto-assign public IP → Security Group (Type SSH and Source type Anywhere) → Launch Instance → Click on instance ID (to SSH into EC2 instance from internet) → copy public IP → Go to terminal on Desktop → Change permission `chmod -R 400` keypair Name → paste IP address on terminal.

In EC2 terminal execute the following commands

```
#Sudo apt-get update
```

```
# sudo apt-get install httpd
```

```
# mkdir temp
```

```
# cd temp
```

Goto <https://getbootstrap.com/docs/5.1/examples/> on your desktop

Right click on download examples and copy link

```
#temp> wget https://github.com/twbs/bootstrap/releases/download/v5.1.3/bootstrap-5.1.3-examples.zip
```

```
#unzip complex.zip // the .zip file downloaded
```

```
#temp>cd complex // move into the unzipped folder
```

```
#complex/ mv * /var/www/html
```

Goto to AWS login → EC2 instance → click on the ID → security → Edit Inbound rules → Add rule → Add http → Access from anywhere → https → Access from any where → SSH → Save rule

On the EC2 terminal

```
#systemctl enable httpd
```

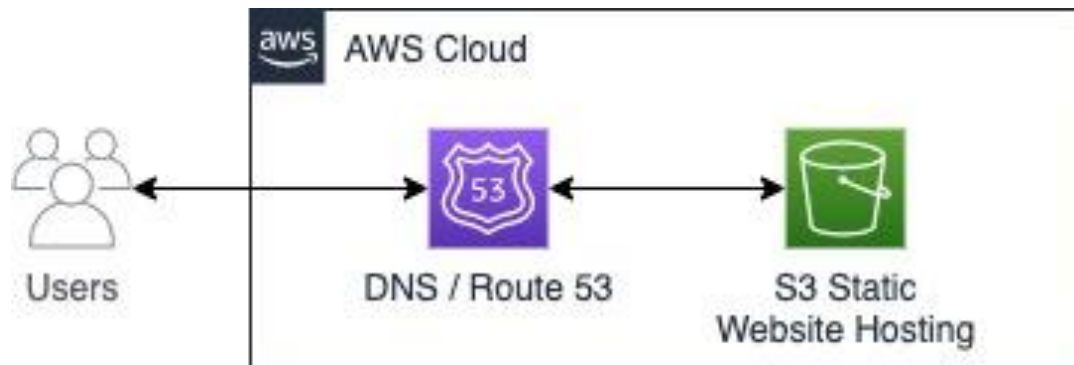
```
# systemctl start httpd
```

```
#systemctl status httpd
```

Goto AWS console copy the public IP and paste on the browser

Reference video: <https://www.youtube.com/watch?v=Islmm-LMu38>

Hosting Static website on S3 services



To Creating S3 bucket in AWS account

Search S3 → create bucket → General purpose → Bucket name (global y unique) → create bucket
To upload files and folder

Upload → up load files/ folders Upload the files related to static website downloaded from
FreeCSS.com / or any free code for website html css,js website code on google.com

Click on the Bucket-ID → Upload File → Add File → select the files → Click on upload

Click on the Bucket-ID → Properties → Static website hosting → Edit → Enable → Index
document → Index.html → Save changes → Static website hosting → copy the URL

To Write S3 Bucket Policy

Click on Bucket ID → Permissions → Allow public Access → Edit policy → Policy generator → Type
of Policy → S3 Bucket Policy → Effect → Allow → Principal → * → Actions → Get object → ARN
name → paste the bucket name(arn:aws:s3:::name) → Add statement → Generate Policy → Copy
the Policy → Paste in the Edit policy → save changes

Now with URL able to display the Webpage

Reference video: <https://www.youtube.com/watch?v=sl6N0fo0nYQ>