

Assignment - 1

Links:

<https://sushmakankatala.s3.us-east-2.amazonaws.com/index.html>

<http://ec2-18-191-244-10.us-east-2.compute.amazonaws.com/>

Part-1:

Hosting the Homepage in AWS Simple Storage Service (AWS S3):

1. Create a bucket in S3
2. Enable static website hosting in order to host our homepage
3. Edit Block Public Access settings
4. Add a bucket policy that makes your bucket content publicly available
5. Configure an index document which is index.html
6. Configure an error document which is error.html
7. Test your website

Part-2:

1. Create an EC2 instance for deploying student survey page.
2. To create EC2 instance, select Launch Instance in EC2.
3. Then select Amazon Machine Image, in this case it's ubuntu because of free tier eligibility.
4. Then select instance type, t2.micro (Free tier eligible).
5. Create a key Pair Login, if there isn't an existing one. Create one for .pem (Open SSH). Now a .pem keypair will be downloaded.
6. In network settings, check the boxes for HTTP and HTTPs along with SSH.
7. Let the remaining settings be default.

Deploying Student Survey Page in EC2:

1. Check the box of our instance which was created previously and click connect on the top.
2. Now a terminal window will be opened where we can give commands and interact with remote server.
3. We need to move to root user, so type 'sudo su' command.
4. As we need a web server to deploy our survey page, it is required to install all the packages. So type 'apt-get update' following with 'apt-get install apache2'.

5. Now the required packages will get installed.
6. Now check the status of the server we have installed.
7. To do so, give a command like 'service apache2 status'
8. Now it should show 'active(running)', if it is inactive follow step 4 and 7 again.
9. Now we need to upload our survey page html code into the index.html page in the server.
10. Give a command – 'cd /var/www/html' following with 'll' it should result in showing the index.html page.
11. Now give 'mv index.html indexpage.html', the name can be anything. It will create a page called indexpage.html.
12. Now to paste our code which is in studentsurveyform.html, type 'vi index.html', then press 'i'.
13. Now you can see INSERT at the bottom of the window, and on top just paste your code by right clicking and select paste option.
14. After pasting, press ESC+SHIFT+: then type 'wq' and press 'enter' at the end.
15. It will terminate from updating the code we have pasted.
16. To check if we have successfully pasted our code or not, type 'curl http://localhost' where we can able to see the code we have pasted earlier.
17. Now check your website with public IPv4 DNS.