**Steps to deploy a website or static content on httpd web server**

1.Create an EC2 instance in AWS

2.Login into the server using Putty

3. Switch from ec2-user to root user

[ec2-user@ip-192-168-0-232 ~]$ sudo su –

4.We have to make this server as a webserver, for that httpd web server should be installed on this server.

[root@ip-192-168-0-232 ~]# yum install httpd -y

4.1. There is a service installed and check the status of the httpd service

[root@ip-192-168-0-232 ~]# service httpd status

4.2. Start the service

[root@ip-192-168-0-232 ~]# service httpd start

Redirecting to /bin/systemctl start httpd.service

5. open the default document root folder, where the code must be deployed on this server

[root@ip-192-168-0-232 ~]# cd /var/www/html

[root@ip-192-168-0-232 html]# pwd ( checking the present working directory)

/var/www/html

[root@ip-192-168-0-232 html]# ls -l (checking any items available in present directory)

total 0 (Nothing available)

6. Now we have to deploy the code into the default document root folder from the bitbucket repository, where the developers have uploaded their code.

For this we need git in this server

[root@ip-192-168-0-232 html]# git version

-bash: git: command not found ( git is not installed in this server)

7.Install git which is needed to clone the bit bucket repo, the place

code developed by developers are available.

[root@ip-192-168-0-232 /]# yum install git -y

[root@ip-192-168-0-232 /]# git version (check the git version)

git version 2.32.0

8. Go to the bitbucket Repo, and particular branch where the source code is available. We can select any protocol either https/ ssh as per the requirement of the project.

[root@ip-192-168-0-232 html]# git clone https://Antorr@bitbucket.org/iwayqtech/webapp.git

Cloning into 'webapp'...

Receiving objects: 100% (127/127), 2.45 MiB | 33.91 MiB/s, done.

Resolving deltas: 100% (1/1), done.

[root@ip-192-168-0-232 html]# ls -l

total 0

drwxr-xr-x 7 root root 153 Sep 12 11:59 webapp (project folder is created in default document root folder)

9. now code is deployed, and this application is accessible from the browser. Go to web browser and type the below one. Before this check the security group port 22, 80 are allowed to access it from anywhere

<http://3.238.64.91/webapp/>

10. That’s it website is launched. This Apache http we server is used to deploy static content or website. (just html code only). To deploy web application or dynamic code we need other tools like Apache Maven.