**EC2 and React Application :**

The task is to deploy a Reactjs application on an ec2 instance. The instance used in the task is of Ubuntu operating system. The ec2 has configured with the necessary security group rules and then launched in the custom VPC region.

Once the instance is connected there is a need of a server to run the application. To be precise, “npm” is what actually that starts an application server. So, there is also need of nodejs to get its package manager “npm”. To achieve it we initially install a tool called “curl”.

**curl** is a command line tool that enables data exchange between a device and a server through a terminal. So I have shot **sudo apt-get install curl** to install it and then….

**curl -sL https://deb.nodesource.com/setup\_14.x | bash -E bash – .**

The command followed by the task of installing nodejs. This could be achieved by shooting

**sudo apt-get install –y nodejs**

“sudo” gives the root user privileges. Execute the command node –v to know whether or not the nodejs been installed.

Now it’s the server that has to be installed.

**sudo apt-get install nginx –y.**

Once installed, the version could be checked and the server be started by the command..

**sudo systemctl restart nginx**

Go to the /var/www/html directory and shoot command

**npx create-react-app myreact-app**

….to create a react application named myreact-app.

**npm run build** and **npm start**

..actually starts the server so that we can see the application output. The Public IP of the instance followed by the port number at which the server is listening allows to visit the application through browser.