**2.Create an EC2 instance for a Reactjs application and deploy the application and provide public ip for it and also enable the cloud monitoring on this instance.**

Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster. You can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. Amazon EC2 enables you to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic.

Step 1: Select a region

Step 2: Navigate to the Ec2 Console

Step 3: Create the Ec2 Instance

Step 4: Choose the instance type

Step 5: create or select key pair

Step 6: create a security group

Step 7: configure storage

Step 8: launch instance

Now select the created instance and navigate into monitoring page and enable cloud monitoring

Now connect the instance

Update the local repository index of Yum. Execute the following command to update the local repository index of yum package installer.

**$ sudo yum update.**

Install Node.js. Execute the following command to install node.js.

**$ sudo yum install nodejs.**

Install nvm (Node version manager) on a unix based system such as linux or macOS

**$curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | bash**

**$. ~/.nvm/nvm.sh**

Install the latest LTS (long term support) version of Node.js using nvm

**$ nvm install –lts**

Install Node.js (version 16) using nvm

**$ nvm install 16**

Create a new React.js project called ‘myapp’

**$ npx create-react-app myapp**

Change the directory into my app

**$ cd myapp**

Install git

**$ sudo yum install git**

Clone a repository using the command

**$ git clone** [**https://github.com/snehal-herovired/Devops\_Batch\_Aditya.git**](https://github.com/snehal-herovired/Devops_Batch_Aditya.git)

Now change the directory

**$ cd Devops\_Batch\_Aditya**

**$ cd amazon react**

Install and run npm

**$ npm install**

**$ npm run**

Start npm using

**$ npm run start**

To view the application, copy the instance ip in the new tab