

















www.linkedin.com/in/shanmuga-priya-e-tech2





















horrows: Theybort are Launching AWS Instance and deploying prontend

) what is AWS?

Amozon web Service (AWS) is a cloud computing plat form that offer a variety of sources over the interret.

?) what is cloud computing platform?

-> A cloud computing platform is a network of servers that provide variety of services such as servers, storage, databases, networking e so on to users over the intornet.

-> Users can rent access to these services on demand, paying only for what they use.

Steps involved in Setting up AWS for deployment.

Step1: Sign up in AWS ileps: Search for EC2 in the search bar provided in console Home Page.

what is EC2?

EC2 is called Elastic Correlate cloud is a use source that allow usons to create and run violtual machines, called instances in the cloud.

step 3: click on Launch instance and add a name to that instance and select the OS which we need to nun on that instance from the given list (uburtu preferable) and select the instance type.

Step 4: Create a new key pair &

- It is like a secret key which is used to connect to the instance

- -) Enter a Key Paur name of your choice and select the RSA algorithm and pen file format. and click on create key pair
- It will generate a sile with the secret key & download automatically step 5: click on faurch instance it will create a new instance for us with all the configuration that we setup in the Previous step.
- -> the instance will be in pending state later it will two into nunning. state.

teps: click on the instance ID it will give all the info about the Virtual machine that we have nented like Ip address. Click on connect it will give us a various way of connecting to that instance.

Lept: Select SSH client from it It is used to connect to the instance asing Ferminal. In terminal pellow the steps provided to login to the instance. Now, we have successfully logged in to our instance. To logout strom the

tops: Install a node in the new instance that we created make sure to use the same version which is used in the project to avoid misjunction

How to connect back to instance once logged out?

To connect back to the instance we need to sun the same SSH-i Command which we have done in step 7. It basically contains SSH-i + secret file + instance name. (connecting)

fow to sun our project is the new instance that we created? Step 1: get a https link and place it in the terminal with the command git clore git clone your projects https link grom code section.

It will clone our project in the new instance that we visated.

deploying steps involved in setting top a project.

once the instance is setup we will deploy our project. Let's see how to deploy our frontend part.

-> Step 1: Building a project. begore deploying a project we need to bundle it up to a single dist' solder which contains the entire project code & plackages needed got our project. This can be done by Hunning a npm run build in Project's terminal. your marker & sur sup the

>step 2: Build the project in own new instance.

before building a project we nun npm install to download all the Packages that our project needs then we run nom run build to one on how participally largest in to conbuild our project.

->slap 3: Download nginx

what is rginx?

werien which is used in the paper - Ngirx is a opensource software that can be used as use server, land balances, neverse proxy & so on.

-> It is widely used for serving static web content, hardling high traffic and distributing requests to backend servers.

-) we use Nginx to host (or) manage own app on AWS instance. sudo apt update -> to update ubuntu version. sudo apt install nginx - to install nginx sudo systemeth start rginx -> to start rginx sudo systematel enable nginx -> to enable nginx

> step 1: copy the code grown dist golder to rginx http senier. to copy a dist solder to http server we nun a command

sudo scp -n dist/* /van/www/html/
copy necursively everything http senven. -) this will run our app on port "80" we need to connect this port to our instance's public I address to \$6 see our app live. Step 5: Connecting ngnix & own instance. -> to enable port 80 on our instance click on security tab and go to security group and add a inbound rules to include port 80. step 6: application Live. Now we go to public Ip address our app will be live.