**TEAM MEMBERS:**

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**Terraform 3-Tier Architecture in AWS**

**AWS CONFIGURE**

* Go to the AWS Management 🡪 Go to the IAM 🡪 Create the IAM Account with Access Key and Secret Key 🡪 Download the .csv File.
* Open the CMD Prompt 🡪 Enter the #aws configure Command 🡪 Configuration the Access Key and Secret Key.

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* Create the .html file
* Put the Name to .sh format, this is used for User Data.

**Configure the Provider**

* Open the Visual Studio Code.
* Create on Directory 🡪 Inside the Directory upload the .sh file.
* Create the Main.tf file and upload the following codes in the Main.tf file.
* Put the Code for Configure the Provider 🡪 Specify the Region.

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**Create the Networking Parts**

* Create a VPC by using the Terraform Codes, so Upload the codes in the Main.tf file
* Following the VPC Codes upload the Subnet and Internet Gateway Codes.

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**Creating the Web Server**

* Launch the two web servers in different availability zone by using the terraform code.
* These codes are uploaded for the Main.tf file under the Networking Codes.

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**Creating the Database**

* Creating the Database by using Terraform Codes.
* Upload these codes in the Main.tf file.

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Graphical user interface, text

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* Now, all the infrastructure is uploaded to the Main.tf and saved.
* Then following commands are used to deploy the Codes.

# terraform init

# terraform fmt

# terraform validate

# terraform plan

# terraform apply

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* Now Codes are deployed successfully.

Graphical user interface, application

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Graphical user interface, table

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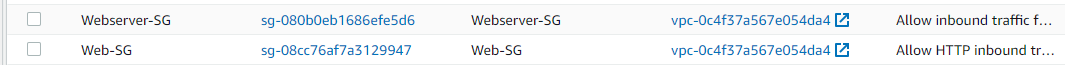


Graphical user interface, text, application

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Graphical user interface, application

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Graphical user interface, text, application, email

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