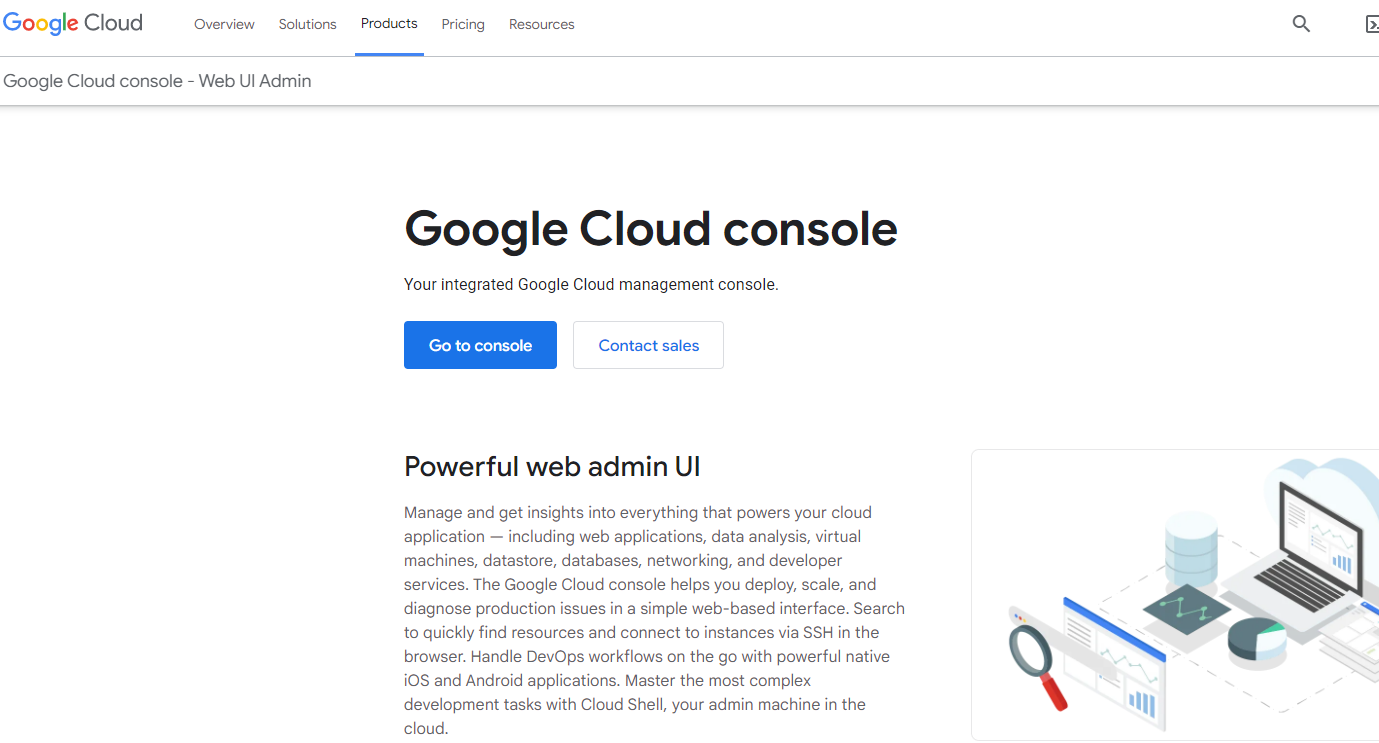
**DOCUMENTATION FOR MAPPING DOMAIN TO GCP.**

Step 1: Open your browser and search for Google cloud platform and click on Go to Console.

Graphical user interface, application

Description automatically generated  
Step 2 : Click on the Create a VM options.

Step 3: Click on the New VM Instance option on Left side and configure the name of the instance, Region, Zone, Machine Configuration of user needs.  
  
  
  
Graphical user interface, text, application, email

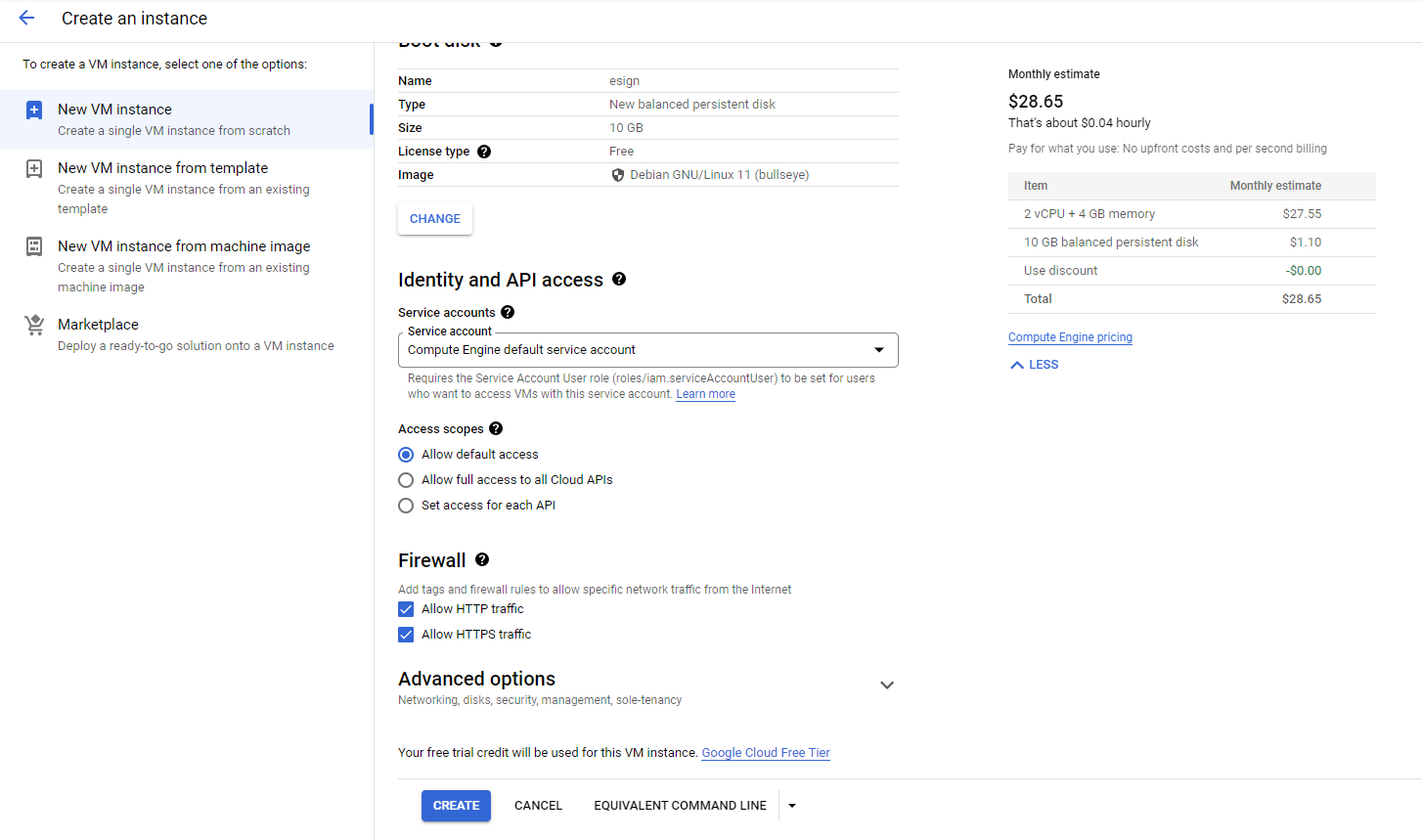
Description automatically generated

Step 4: If you want to change our instance operating system configuration click change on Boot Disk option and click Select.

Graphical user interface, text, application, email

Description automatically generated

Step 5: Make sure that you have to enable Firewall HTTP & HTTPS traffic and Click Create on below.



Step 6: Now you instance shown in VM instances tab and Copy your External IP.

Graphical user interface, text, application, email

Description automatically generated

Step 7: Now you want to create SSH key file so Open Putty gen and Click Generate option on Right side.

Graphical user interface, text, application

Description automatically generated

Step 8: It takes few minutes for Generating.

Graphical user interface, text, application, email

Description automatically generated

Step 9: Reconfigure the Key Comment it should be our instance username & copy the Public key.

Graphical user interface, text, application, email

Description automatically generated

Public Key

Step 10: Click the save private key Option on right side.

Graphical user interface, text, application, email

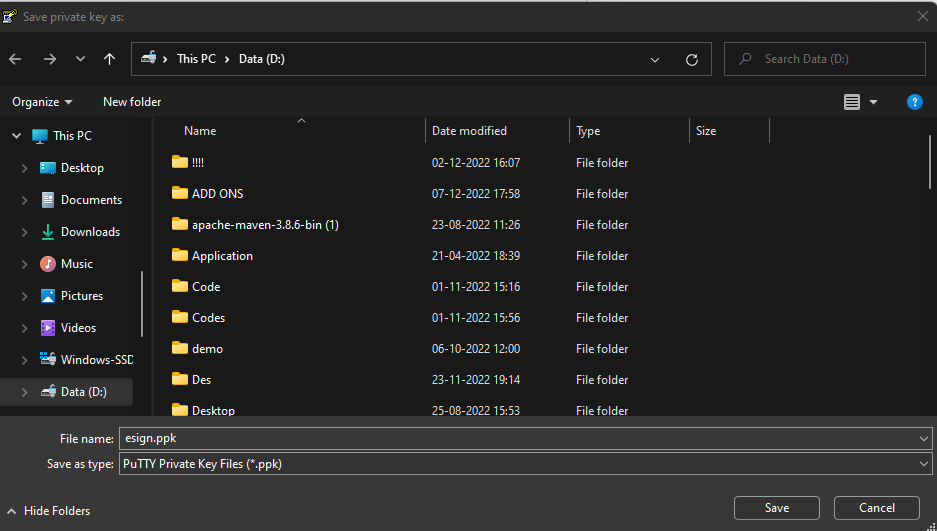
Description automatically generated

Step 11. Click Yes on Putty gen Warning.

Graphical user interface, text, application

Description automatically generated

Step 12: Browser your location to save your file name with extension of .ppk and Click Save.



Step 13: Go to your GCP console and Click on VM instance on the Left Side and select your instance click on edit option on the top.

Table

Description automatically generated

Step 14: Drop down to Security and access and click on the ADD ITEM option.

Graphical user interface, text, application, email

Description automatically generated

Step 15: Paste your public key as you copied from Step 9 and Click Save

Graphical user interface, text, application, email

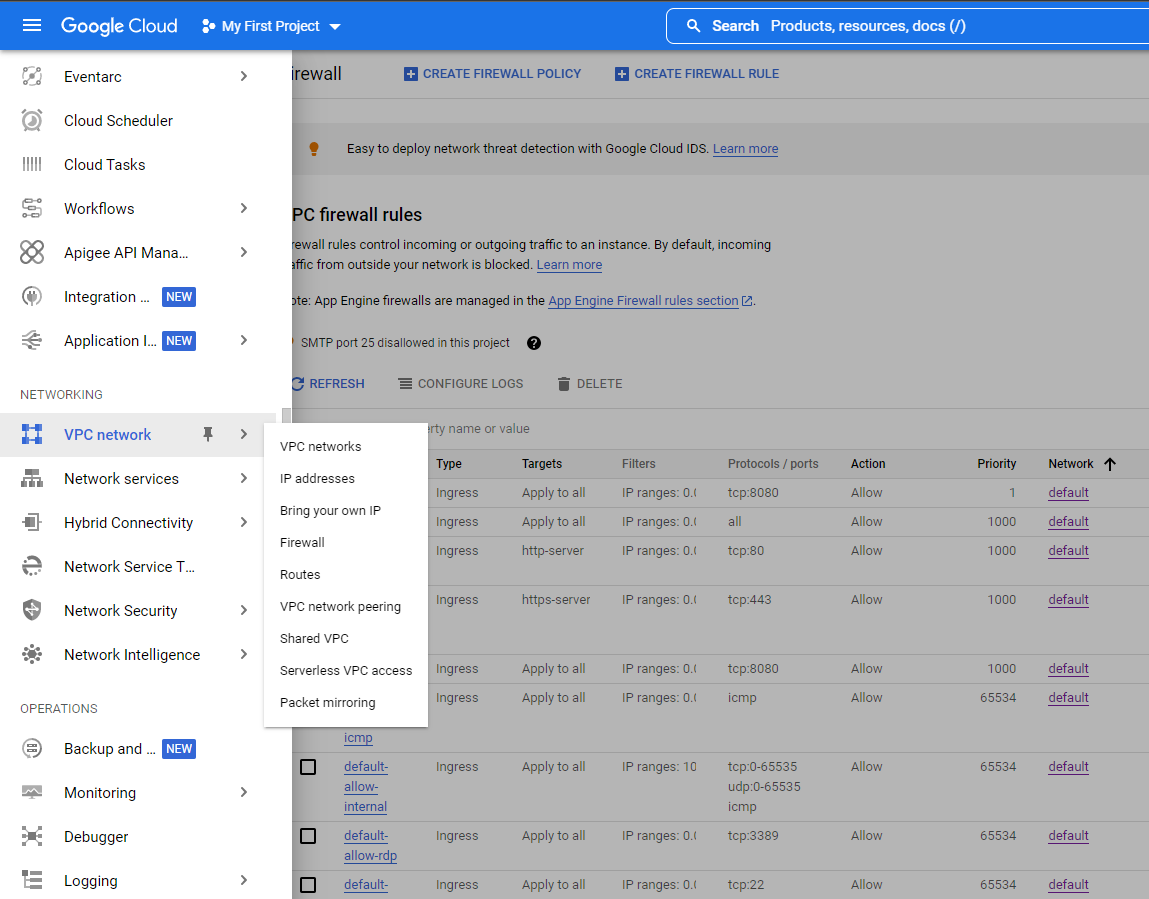
Description automatically generated

Step 15: It automatically shown your username for corresponding public key as shown figure below.

Graphical user interface, text, application, email

Description automatically generated

Step 16: Back to GCP console and find networking on left side. Click on the VPC Network and Choose firewall.



Step 17: To create a new firewall rule click on the create firewall rule

Graphical user interface, text, application, email

Description automatically generated

Step 18: Enter the name of the firewall rule with network, priority, direction of traffic and target.

Graphical user interface, text, application, email

Description automatically generated

Step 19: Select the Source filter, ranges with protocols and ports and Click create.

Graphical user interface, text, application, email

Description automatically generated

Step 20: You firewall rule shown in firewall.

Graphical user interface, application, email

Description automatically generated

Step 21: Copy the External IP of your instance.

Graphical user interface, text, application, email

Description automatically generated

Step 22: Open a putty and paste the instance external IP.

Graphical user interface, application

Description automatically generated

Step 23: Choose Connection -> SSH -> Auth and browser you ppk file as you generate in Step 12. Click open.

Graphical user interface, text, application, email

Description automatically generated

Step 24: New Dialog box is opened and click Accept.

Graphical user interface, text, application

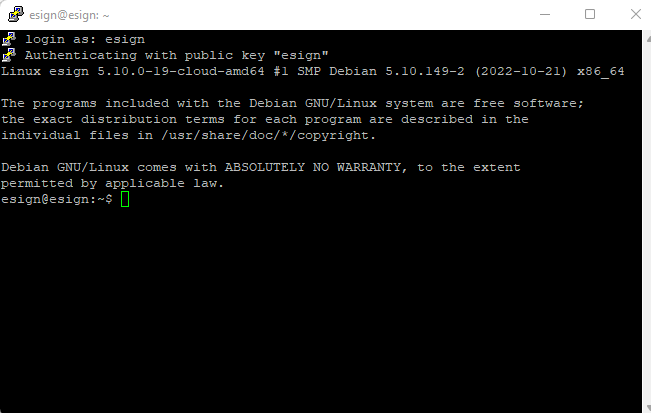
Description automatically generated

Step 25: Enter the Username as you mention the key comment in Step 9.

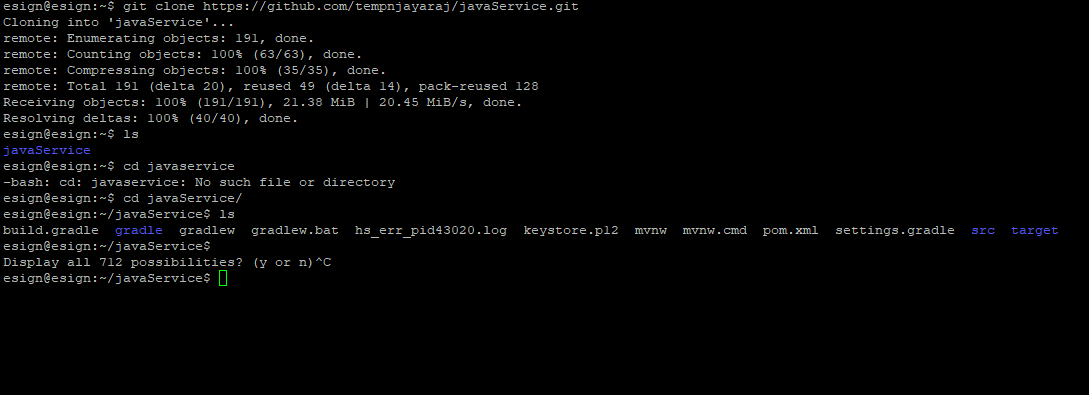
A picture containing shape

Description automatically generated

Step 26: Now you can install all your prerequisite like java, maven, Git on your instance.



Step 27: Clone the repository that you have the java service (https://github.com/tempnjayaraj/javaService.git)



Step 28: To run your java application in Https. You need to generate keystore file in root of your directory with following commands (“keytool -genkey -keystore keystore.jks -alias ssl -keyalg RSA -sigalg SHA256withRSA -validity 365 -keysize 2048”) with following question that shown in the below picture

Text

Description automatically generated

Step 29: Configure the port number with keystore file, password, type, alias.

Text

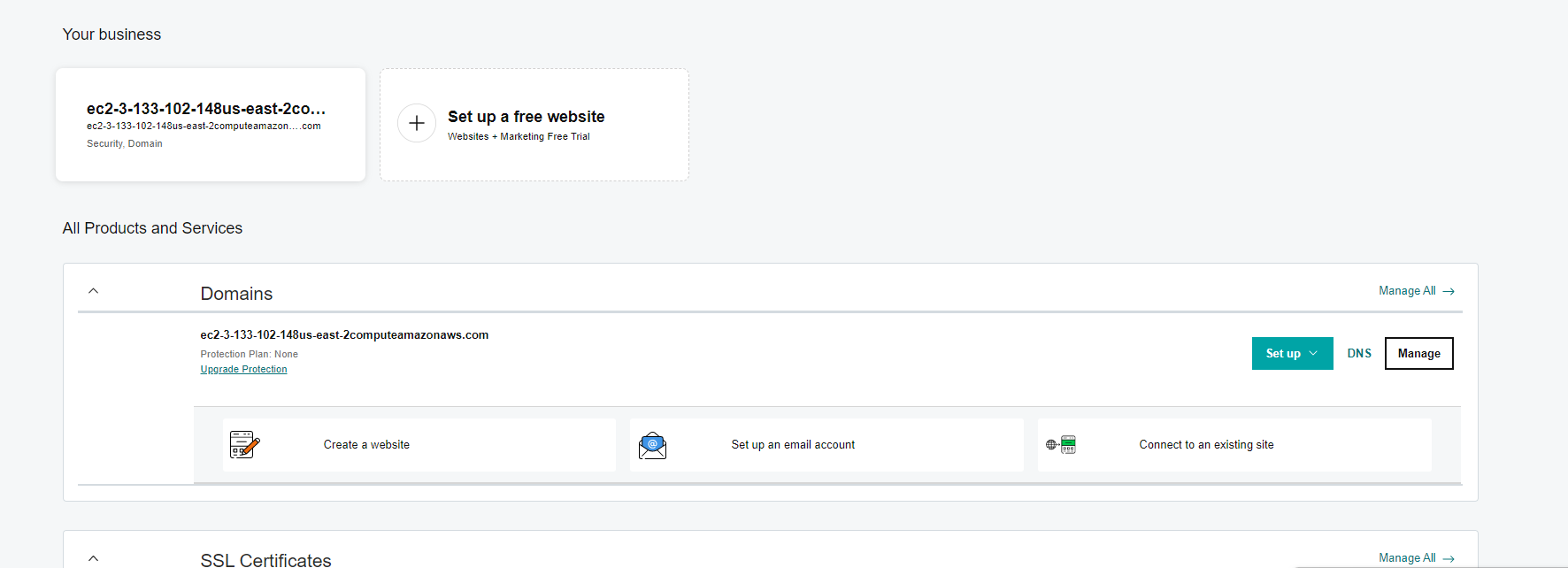
Description automatically generated

Step 30: Run the command mvn spring-boot:run.

Text

Description automatically generated

Step 31: Now you have to map your instance to DNS(For Ex: GoDaddy) open the GoDaddy console and click you profile select my product and Click on the DNS shown below.



Step 32: Click edit icon at the type A

Graphical user interface, application

Description automatically generated

Step 33: Map your External IP of your Instance at value option and click Save.

Graphical user interface, text, application

Description automatically generated

Step 34: Now you can run the your domain with port as you mentioned in application.properties on your browser as it shown below. Click on Advanced

Graphical user interface, application

Description automatically generated

Step 35: Click on the procees to port(Unsafe)

Text

Description automatically generated

Step 36: You got output.

Graphical user interface, text, application, Word

Description automatically generated