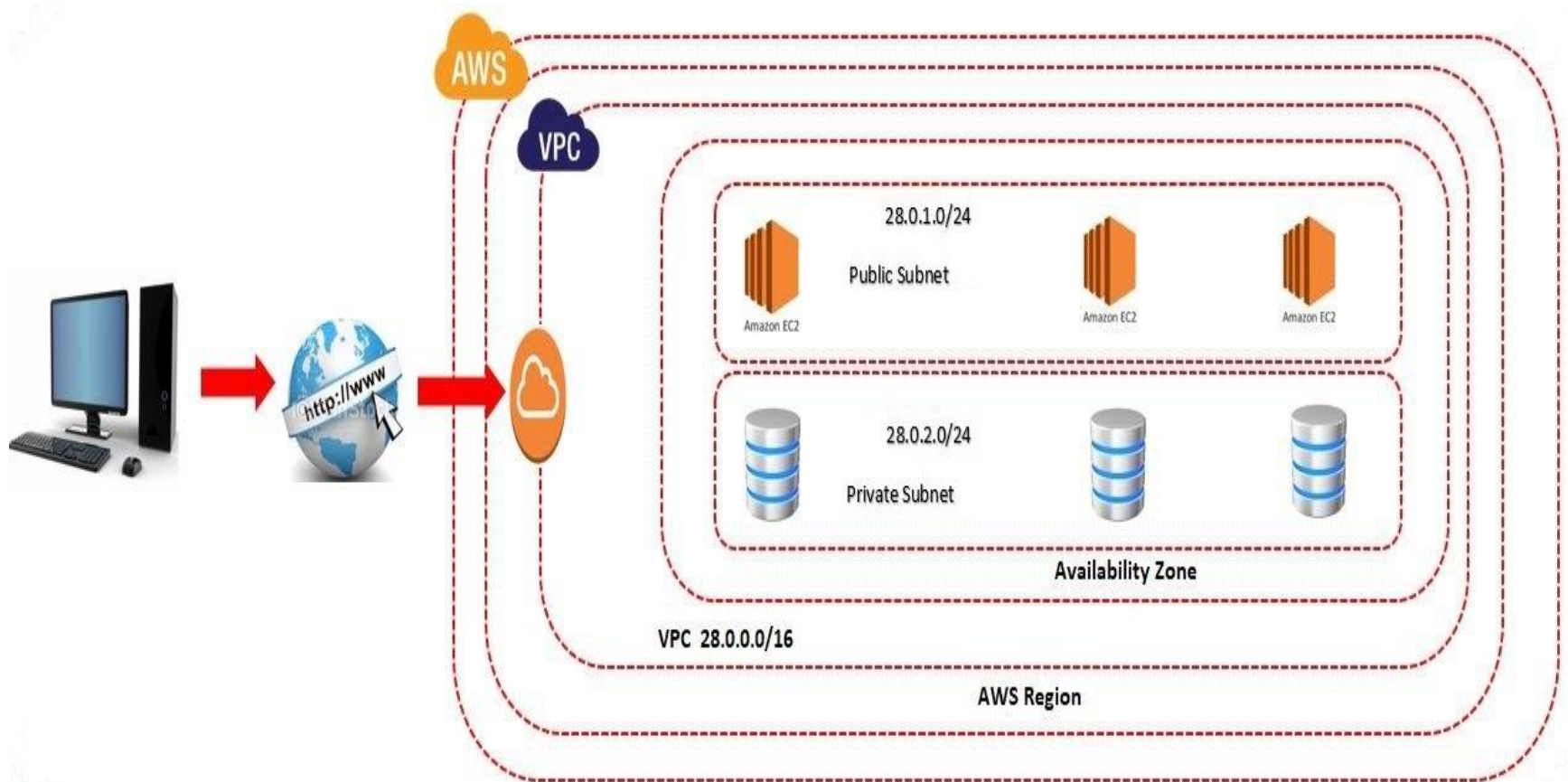# Amazon Web Services

Internet Gateway & Route Table

ankitnarula1991@gmail.com

Internet Gateway

- Component that allows communication between our VPC and the internet

Internet Gateway

- Click on internet Gateway

- Click on Create internet gateway

- Enter the name of the Internet gateway

- Click on Create Internet gateway

- Attach internet gateway to our VPC

Internet Gateway
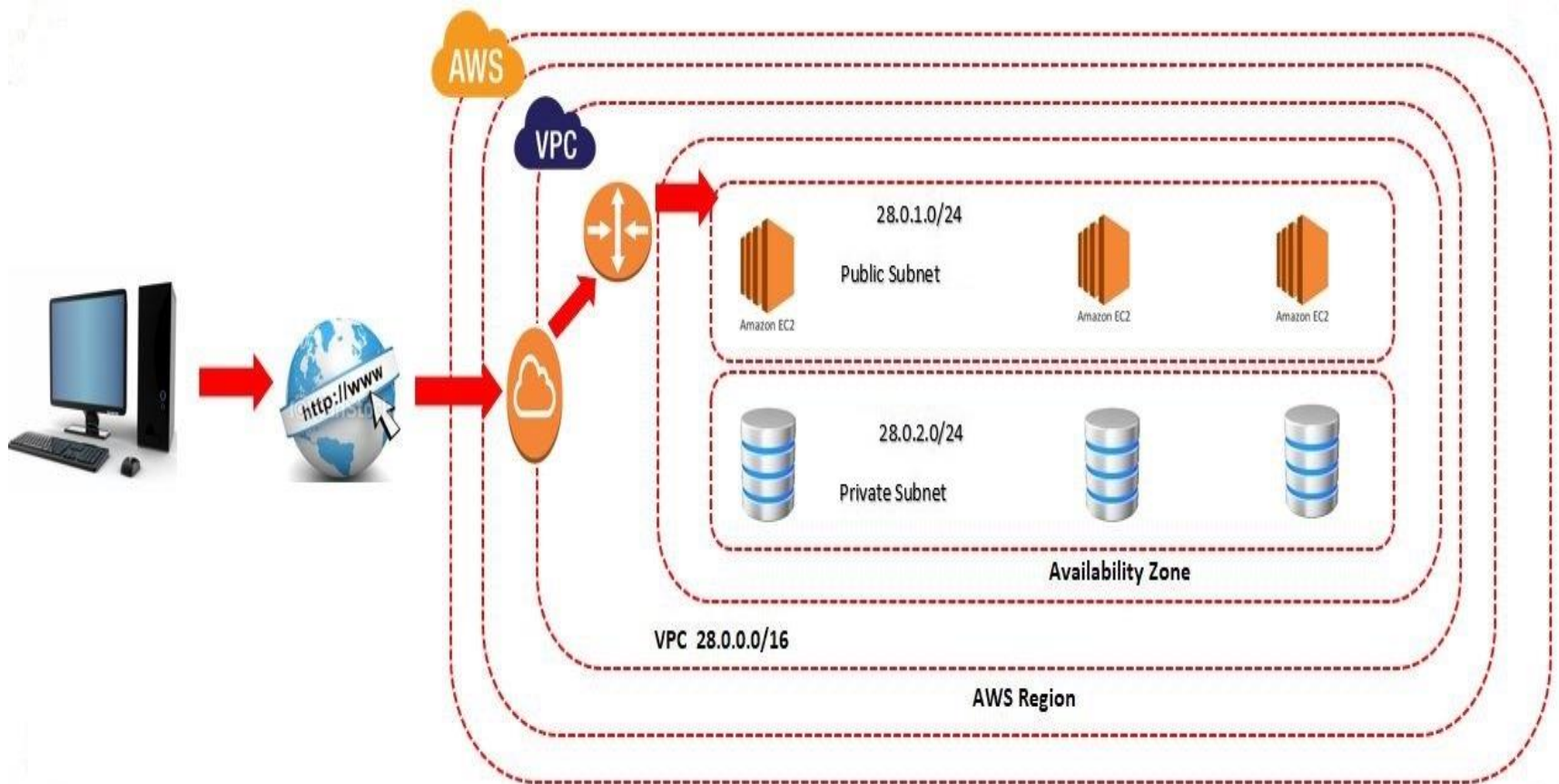
- Select our internet gateway

| Actions | ➡ | Attach to VPC |

- Select our VPC

- Click on Attach internet gateway

- We need to attach our internet gateway to our Public Subnet. But we can't attach internet gateway directly to the public subnet.

Route Table

- Route table defines rules, termed as routes, which determine where network traffic from the subnet would be routed.

Route Table

- Click on Route table

- Click on Create route table.

- Enter the Name

- Select the VPC

- Click on Create route table

- Attach Route Table with subnet

Route Table

- Select our route table

Actions ➡ **Edit Subnet Associations**

- Select the public subnet

- Click on save Associations

- **Attach Route table with Internet gateway**

- While attaching the route table with internet gateway we need to provide two elements

- Destination
- Target

Route Table

- Select the route table

Actions ➡ **Edit Routes**

- Click on Add route

- Select target as our Internet gateway

- Enter Destination (0.0.0.0/0)

- Click on save changes

EC2 – Public Subnet

- Create Linux EC2 Machine in Public Subnet

- Change network, Subnet & Auto Assign Public IP

- Bootstrap Script Code: **Click Here**

- Create Security Group

- Enable the SSH Port to anywhere as source

- Enable the HTTP Port to anywhere as source

- Launch the Instance & Create a new Key Pair

EC2 – Private Subnet

- Create One More Linux EC2 Machine in Private Subnet
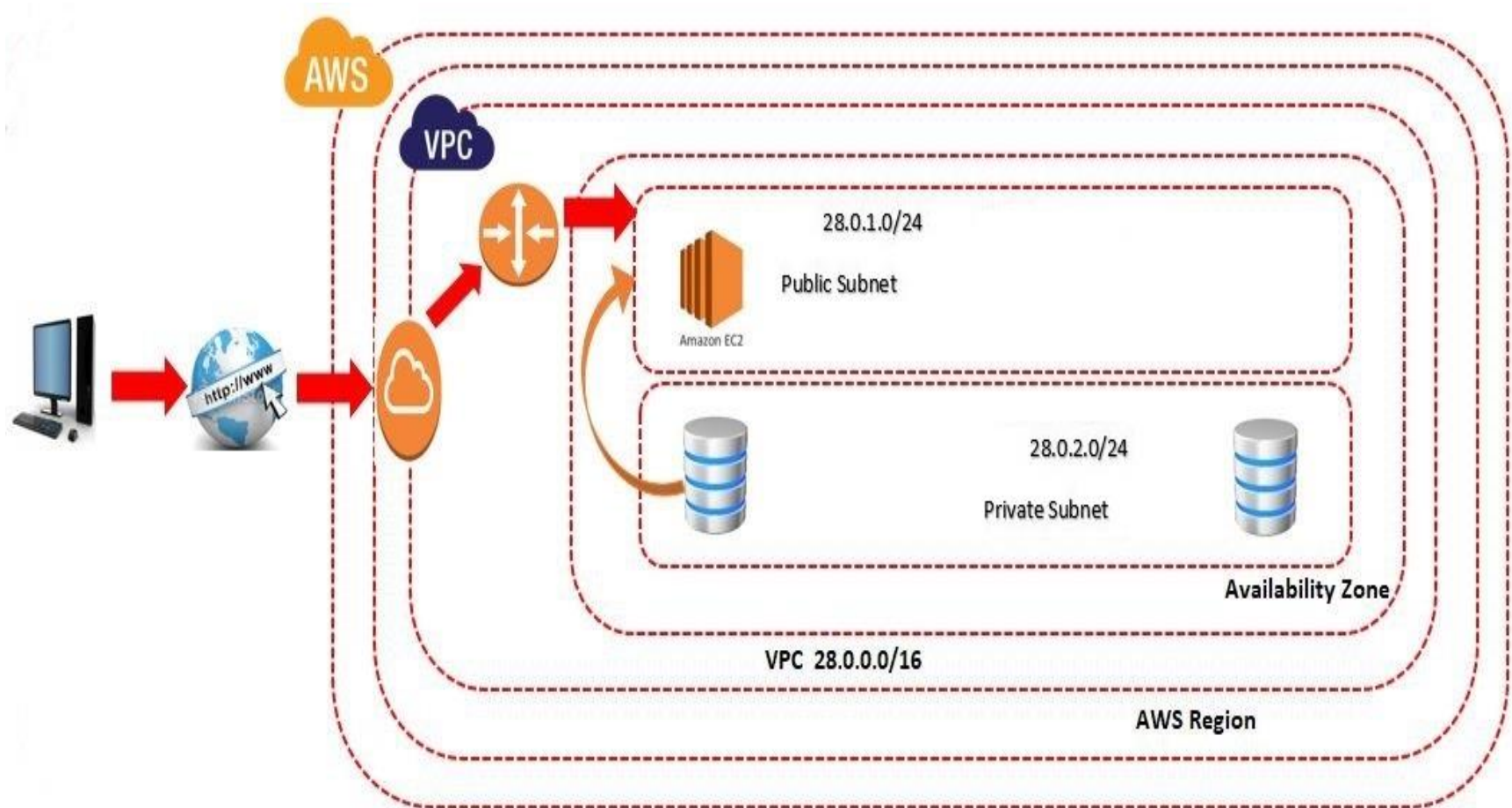
EC2 – Private Subnet

- Select Our VPC & Private Subnet

- Create Security Group

- Select Type as MYSQL/Aurora & Source as Custom

- Enter Port Number of Public Subnet

- Launch the Instance

- Create a new Key Pair

ankitnarula1991@gmail.com