

Step 1-: Configure aws

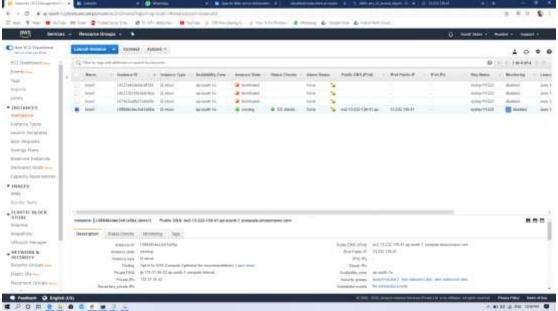
Step

2-: Open aws profile

```
provider "aws" {
  region = "ap-south-1"
  profile = "sumit"
}
```

Step 3-: Create and connect to the instance

```
resource "aws_instance" "web" {
               = "ami-0447a12f28fddb066"
  instance_type = "t2.micro"
  key_name = "mykey111222"
  security_groups = [ "launch-wizard-2" ]
  connection {
           = "ssh"
   type
           = "ec2-user"
   user
   private_key = file("C:/Users/Dell/Downloads/mykey111222.pem")
   host
           = aws_instance.web.public_ip
  provisioner "remote-exec" {
   inline = [
      "sudo yum install httpd php git -y",
      "sudo systemctl restart httpd",
      "sudo systemctl enable httpd",
  }
  tags = {
   Name = "lwos1"
}
```



Step 4-:Create and attach volume

```
resource "aws_ebs_volume" "ebs2" {
  availability_zone = aws_instance.web.availability_zone
  tags = {
    Name = "lwebs"
}
resource "aws_volume_attachment" "ebs_att" {
  device_name = "/dev/sdh"
  volume_id = aws_ebs_volume.ebs2.id
  instance_id = aws_instance.web.id
  force_detach = true
}
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```

Step 5-: Connect and mount the volume

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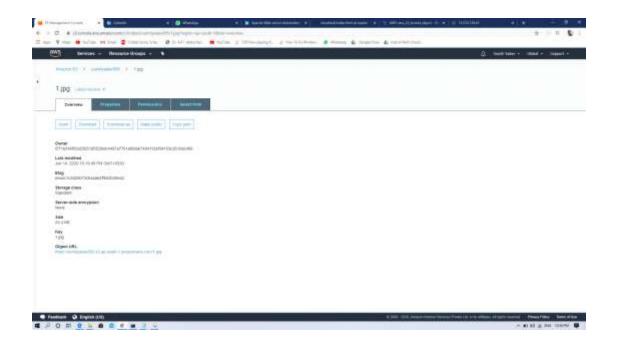
```
resource "null_resource" "nullremote3" {
depends on = [
   aws_volume_attachment.ebs_att,
 connection {
   type = "ssh"
         = "ec2-user"
   private_key = file("C:/Users/Dell/Downloads/mykey111222.pem")
           = aws instance.web.public ip
 }
provisioner "remote-exec" {
   inline = [
     "sudo mkfs.ext4 /dev/xvdh",
     "sudo mount /dev/xvdh /var/www/html",
     "sudo rm -rf /var/www/html/*",
     "sudo git clone https://github.com/Sssyadav123/cloudtask.git /var/www/html/"
 }
}
```

Step 6-: Create the bucket

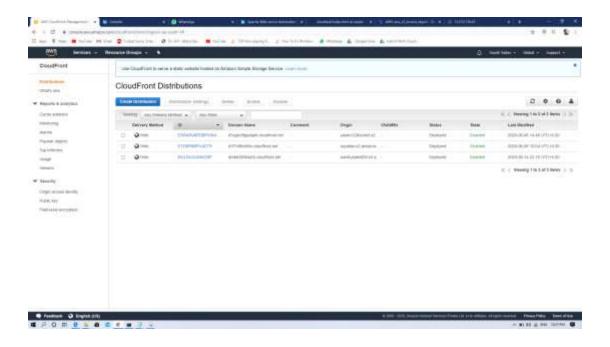
```
resource "aws_s3_bucket" "sumitbucket" {
    bucket = "sumityadav005"
    acl = "private"

    tags = {
       Name = "sumityadav005"
    }
}
```

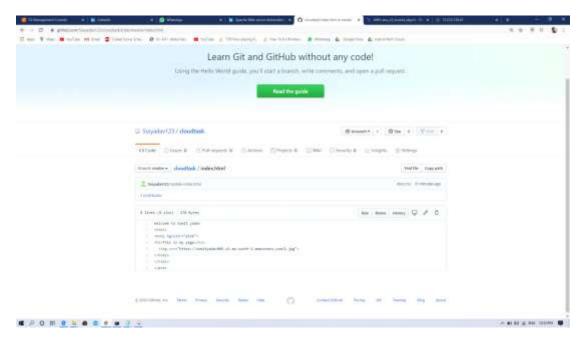
Step 7-: Upload the image on bucket



Step 8-: Create the cloud front



Step 8-: Create the file in the github



Step 9-: Final Step

```
output "myos_ip" {
   value = aws_instance.web.public_ip
}

resource "null_resource" "nulllocal2" {
        provisioner "local-exec" {
            command = "echo ${aws_instance.web.public_ip} > publicip.txt"
        }
}
```

