

TERRAFORM

CONNECTING NGINX- SERVER PRACTICAL

CODE IN VS-CODE

```
terraform {  
  required_providers {  
    aws = {  
      source = "hashicorp/aws"  
      version = "~> 5.0"  
    }  
  }  
}  
  
provider "aws" {  
  region = "us-east-1"  
}
```

```
resource "aws_security_group" "web-  
sg" {  
    name      = "web-sg"  
    description = "allow traffic from  
http and ssh"  
  
    ingress {  
        protocol    = "tcp"  
        from_port   = "80"  
        to_port     = "80"  
        cidr_blocks = ["0.0.0.0/0"]  
    }  
    ingress {  
        protocol    = "tcp"  
        from_port   = "22"  
        to_port     = "22"  
        cidr_blocks = ["0.0.0.0/0"]  
    }  
    egress {
```

```
    protocol    = "-1"
    from_port   = "0"
    to_port     = "0"
    cidr_blocks = ["0.0.0.0/0"]
  }
}

resource "aws_instance" "my-ec2" {
  ami          = "ami-
084568db4383264d4"
  instance_type = "t3.micro"
  security_groups = [
aws_security_group.web-sg.name ]

  user_data = <<-EOF
    #! /bin/bash
    echo "Hello World!" >
var/www/html/index.html
    apt-get update -y
    apt-get install nginx -y
```

```
systemctl start nginx  
systemctl enable nginx
```

EOF

```
tags = {  
    Name = "my-nginx-server"  
}  
}
```

Aws console history

For this refer to Ishika's repo

EXPECTED OUTPUT

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.