resource "aws\_instance" "ec2" {

ami = var.ami\_id

instance\_type = var.instance\_type

key\_name = var.key\_name

vpc\_security\_group\_ids = [aws\_security\_group.ec2\_security\_group.id]

user\_data = base64encode(file("website.sh"))

tags = {

Name = "Ss\_EC2"

}

}

resource "aws\_security\_group" "ec2\_security\_group" {

name = "ec2 security group"

description = "allow access on ports 80 and 22 and 443"

ingress {

description = "ssh access"

from\_port = 22

to\_port = 22

protocol = "tcp"

cidr\_blocks = ["0.0.0.0/0"]

ipv6\_cidr\_blocks = ["::/0"]

}

ingress {

from\_port = 0

to\_port = 0 # Allow all ports

protocol = "-1" # All protocols

cidr\_blocks = ["0.0.0.0/0"]

}

ingress {

description = "https"

from\_port = 443

to\_port = 443

protocol = "tcp"

cidr\_blocks = ["0.0.0.0/0"]

ipv6\_cidr\_blocks = ["::/0"]

}

ingress {

description = "http"

from\_port = 80

to\_port = 80

protocol = "tcp"

cidr\_blocks = ["0.0.0.0/0"]

ipv6\_cidr\_blocks = ["::/0"]

}

egress {

from\_port = 0

to\_port = 0

protocol = "-1"

cidr\_blocks = ["0.0.0.0/0"]

ipv6\_cidr\_blocks = ["::/0"]

}

tags = {

Name = "Ss\_sg"

}

}