variable "aws\_region"

{

description = "AWS Region for VPC"

default = "ap-south-1"

}

variable "vpc\_cidr"

{

description = "VPC CIDR Range"

default = "10.20.0.0/16"

}

variable "private\_subnet1\_cidr"

{

description = "Private Subnet CIDR"

default = "10.20.10.0/24"

}

variable "private\_subnet2\_cidr"

{

description = "Private Subnet CIDR"

default = "10.20.20.0/24"

}

variable "public\_subnet\_cidr"

{

description = "Public Subnet CIDR"

default = "10.20.30.0/24"

}

variable "public\_subnet2\_cidr"

{

description = "Public Subnet CIDR"

default = "10.20.40.0/24"

}

variable "ami"

{

description = "Ubuntu 16 AMI"

default = "ami-41e9c52e"

}

variable "ssh\_key"

{

description = "SSH key for wordpress instance"

default = "/home/ubuntu/.ssh/id\_rsa.pub"

}

root@ip-172-31-23-189:/home/ubuntu/terraform/two-tier-architecture#

root@ip-172-31-23-189:/home/ubuntu/terraform/two-tier-architecture# cat network.tf

provider "aws" {

region = "us-west-1"

shared\_credentials\_file = "/root/.aws/credentials"

}

resource "aws\_vpc" "main"

{

cidr\_block = "${var.vpc\_cidr}"

enable\_dns\_hostnames = "true"

tags

{

Name = "TerraformVPC"

}

}

resource "aws\_subnet" "private\_subnet1"

{

vpc\_id = "${aws\_vpc.main.id}"

cidr\_block = "${var.private\_subnet1\_cidr}"

availability\_zone = "us-west-1a"

tags

{

Name = "private\_subnet-1"

}

}

resource "aws\_subnet" "private\_subnet2"

{

vpc\_id = "${aws\_vpc.main.id}"

cidr\_block = "${var.private\_subnet2\_cidr}"

availability\_zone = "us-west-1c"

tags

{

Name = "private\_subnet-2"

}

}

resource "aws\_subnet" "public\_subnet"

{

vpc\_id = "${aws\_vpc.main.id}"

cidr\_block = "${var.public\_subnet\_cidr}"

availability\_zone = "us-west-1a"

tags

{

Name = "public\_subnet-1"

}

}

resource "aws\_subnet" "public\_subnet2"

{

vpc\_id = "${aws\_vpc.main.id}"

cidr\_block = "${var.public\_subnet2\_cidr}"

availability\_zone = "us-west-1c"

tags

{

Name = "public\_subnet-2"

}

}

resource "aws\_internet\_gateway" "igw1"

{

vpc\_id = "${aws\_vpc.main.id}"

tags

{

Name = "Main"

}

}

resource "aws\_route\_table" "rt-main"

{

vpc\_id = "${aws\_vpc.main.id}"

route

{

cidr\_block = "0.0.0.0/0"

gateway\_id = "${aws\_internet\_gateway.igw1.id}"

}

tags

{

Name = "Public MainRT"

}

}

resource "aws\_route\_table\_association" "rt\_association"

{

subnet\_id = "${aws\_subnet.public\_subnet.id}"

route\_table\_id = "${aws\_route\_table.rt-main.id}"

}