resource "aws\_default\_vpc" "default-vpc" {

  tags = {

    Name = "Default VPC"

  }

}

data "aws\_availability\_zones" "available-zones" {}

resource "aws\_default\_subnet" "subnet\_az1" {

  availability\_zone = data.aws\_availability\_zones.available-zones.names[0]

}

resource "aws\_default\_subnet" "subnet\_az2" {

  availability\_zone = data.aws\_availability\_zones.available-zones.names[1]

}

resource "aws\_security\_group" "web-sg" {

  name        = "web-sg"

  description = "Allow TLS inbound traffic"

  vpc\_id      = aws\_default\_vpc.default-vpc.id

  ingress {

    description      = "TLS from VPC"

    from\_port        = 80

    to\_port          = 80

    protocol         = "tcp"

    cidr\_blocks      = ["0.0.0.0/0"]

  }

  egress {

    from\_port        = 0

    to\_port          = 0

    protocol         = "-1"

    cidr\_blocks      = ["0.0.0.0/0"]

  }

  tags = {

    Name = "web-sg"

  }

}

resource "aws\_security\_group" "db-sg" {

  name        = "db-sg"

  description = "Allow TLS inbound traffic"

  vpc\_id      = aws\_default\_vpc.default-vpc.id

  ingress {

    description      = "TLS from VPC"

    from\_port        = 3306

    to\_port          = 3306

    protocol         = "tcp"

    security\_groups = [aws\_security\_group.web-sg.id]

  }

  egress {

    from\_port        = 0

    to\_port          = 0

    protocol         = "-1"

    cidr\_blocks      = ["0.0.0.0/0"]

  }

  tags = {

    Name = "db-sg"

  }

}

resource "aws\_db\_instance" "mydb" {

  allocated\_storage    = 10

  db\_name              = "gfgmydb"

  engine               = "mysql"

  engine\_version       = "5.7"

  instance\_class       = "db.t2.micro"

  username             = "admin"

  password             = "gfgdb123"

  parameter\_group\_name = "default.mysql5.7"

  skip\_final\_snapshot  = true

}