Create a new Terraform file called main.tf.

Create three variables.

The first variable, called image\_name, needs to be set to ghost:latest.

The second variable is called container\_name with a default of ghost\_blog.

The final variable is called ext\_port and set the default to port 80.

Create a Docker image resource called ghost\_image that uses the image\_name variable.

Create a Docker container resource called ghost\_container.

The name will use the container\_name variable.

The image will use the ghost\_image resource.

The internal port will be set to 2368.

The external port will use ext\_port variable.

Initialize Terraform.

Create a Terraform plan that uses the following variables:

container\_name = ghost\_blog1

image\_name = ghost:alpine

ext\_port = 8080

Output the plan to a file called tfplan.

Then apply the plan using tfplan and make sure that the apply doesn’t prompt for input.

------------------main.tf-----------------------------

variable "image\_name" {

default = "ghost:latest"

}

variable "container\_name" {

default = "ghost\_blog"

}

variable "ext\_port" {

default = "80"

}

terraform {

required\_providers {

docker = {

source = "kreuzwerker/docker"

version = "2.12.2"

}

}

}

provider "docker" {

host = "npipe:////.//pipe//docker\_engine"

}

# Pulls the image

resource "docker\_image" "ghost\_image" {

name = var.image\_name

}

resource "docker\_container" "ghost\_container" {

name = var.container\_name

image = docker\_image.ghost\_image.latest

ports {

internal = 2368

external = var.ext\_port

}

}

-------------------commands-----------------------------

$ terraform init

$ terraform plan -var "container\_name=ghost\_blog1" -var "image\_name=ghost:alpine" -var "ext\_port=8080" -out assignment2.tfplan

$ terraform apply "assignment2.tfplan"