terraform {  
  
 required\_version = ">=0.12"  
  
 required\_providers {  
 azurerm = {  
 source = "hashicorp/azurerm"  
 version = "~>2.0"  
 }  
 }  
}  
  
provider "azurerm" {  
 features {}  
}  
  
resource "azurerm\_resource\_group" "Sharon-RG" {  
 name = "example-resources"  
 location = "West Europe"  
}  
  
resource "azurerm\_app\_service\_plan" "AppService" {  
 name = "example-appserviceplan"  
 location = azurerm\_resource\_group.Sharon-RG.location  
 resource\_group\_name = azurerm\_resource\_group.Sharon-RG.name  
  
 sku {  
 tier = "Standard"  
 size = "S1"  
 }  
}  
  
resource "azurerm\_app\_service" "example" {  
 name = "example-sharonraju"  
 location = azurerm\_resource\_group.Sharon-RG.location  
 resource\_group\_name = azurerm\_resource\_group.Sharon-RG.name  
 app\_service\_plan\_id = azurerm\_app\_service\_plan.AppService.id  
  
 site\_config {  
 dotnet\_framework\_version = "v4.0"  
 scm\_type = "LocalGit"  
 }  
  
 app\_settings = {  
 "SOME\_KEY" = "some-value"  
 }  
}  
  
resource "azurerm\_virtual\_network" "AppService-Vnet" {  
 name = "AppService-Vnet"  
 location = azurerm\_resource\_group.Sharon-RG.location  
 resource\_group\_name = azurerm\_resource\_group.Sharon-RG.name  
 address\_space = ["10.0.0.0/16"]  
}  
  
 resource "azurerm\_subnet" "Subnet1" {  
 name = "Subnet1"  
 resource\_group\_name = azurerm\_resource\_group.Sharon-RG.name  
 virtual\_network\_name = azurerm\_virtual\_network.AppService-Vnet.name  
 address\_prefixes = ["10.0.1.0/24"]  
  
 delegation {  
 name = "example-delegation"  
  
 service\_delegation {  
 name = "Microsoft.Web/serverFarms"  
 actions = ["Microsoft.Network/virtualNetworks/subnets/action"]  
 }  
 }  
 }  
  
  
resource "azurerm\_app\_service\_virtual\_network\_swift\_connection" "webapp" {  
 app\_service\_id = azurerm\_app\_service.example.id  
 subnet\_id = azurerm\_subnet.Subnet1.id  
}

