



我會提供 terraform 程式碼給你，請你解釋意圖後，生成相同功能的 C# 版本 pulumi 程式碼。

```
provider "azurerm" {
  features {}
}

resource "azurerm_resource_group" "example" {
  name     = "example-resource-group"
  location = "East US"
}

resource "azurerm_app_service_plan" "example" {
  name                = "example-app-service-plan"
  location             = azurerm_resource_group.example.location
  resource_group_name = azurerm_resource_group.example.name

  sku {
    tier = "Standard"
    size = "S1"
  }
}

resource "azurerm_app_service" "example" {
  name                = "example-app-service"
  location             = azurerm_resource_group.example.location
  resource_group_name = azurerm_resource_group.example.name
  app_service_plan_id = azurerm_app_service_plan.example.id

  site_config {
    dotnet_framework_version = "v4.0"
  }
}
```



這段 Terraform 程式碼的意圖是在 Azure 中創建一個資源群組、一個應用程式服務計畫和一個應用程式服務。下面是生成相同功能的 C# 版本 Pulumi 程式碼：

csharp
Copy code

```

using Pulumi;
using Pulumi.AzureNative.Resources;
using Pulumi.AzureNative.Web;

class Program
{
    static Task Main()
    {
        var resourceGroup = new ResourceGroup("example-resource-group", new ResourceGroupArgs
        {
            ResourceGroupName = "example-resource-group",
            Location = "East US",
        });

        var appServicePlan = new AppServicePlan("example-app-service-plan", new AppServicePlanArgs
        {
            ResourceGroupName = resourceGroup.Name,
            Name = "example-app-service-plan",
            Location = resourceGroup.Location,
            Sku = new SkuDescriptionArgs
            {
                Tier = "Standard",
                Size = "S1",
            },
        });

        var appService = new WebApp("example-app-service", new WebAppArgs
        {
            ResourceGroupName = resourceGroup.Name,
            Name = "example-app-service",
            Location = resourceGroup.Location,
            ServerFarmId = appServicePlan.Id,
            SiteConfig = new SiteConfigArgs
            {
                WindowsFxVersion = "DOTNETV4.0",
            },
        });

        return Task.FromResult(0);
    }
}

```

這段程式碼中，我們使用了 Pulumi 的 Azure Native Provider 來管理 Azure 資源。我們創建了一個資源群組、一個應用程式服務計畫和一個應用程式服務。在 Pulumi 中，我們可以使用 C# 來描述我們的基礎架構，並將其轉換為基礎設施程式碼。