

Terraform script for creation of Azure app service

# Configure Terraform with Azure provider

```
terraform {  
  required_version = ">= 1.0"  
  required_providers {  
    azurerm = {  
      source = "hashicorp/azurerm"  
      version = "~> 3.0"  
    }  
  }  
}
```

# Configure Azure Provider for your Azure credentials

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

# Define variables for App Service configuration

```
variable "resource_group_name" {  
  type = string  
}
```

```
variable "app_service_name" {  
  type = string  
}
```

```
variable "location" {  
  type = string  
}
```

```
variable "app_service_plan_id" {  
    type = string  
}
```

# Create an App Service Plan

```
resource "azurerm_app_service_plan" "asp" {  
    name          = "my-app-service-plan"  
    location      = var.location  
    resource_group_name = var.resource_group_name  
    sku {  
        tier = "Free"  
        size = "F1"  
    }  
}
```

# Create the App Service

```
resource "azurerm_app_service" "app" {  
    name          = var.app_service_name  
    location      = azurerm_app_service_plan.asp.location  
    resource_group_name = azurerm_app_service_plan.asp.resource_group_name  
    app_service_plan_id = azurerm_app_service_plan.asp.id
```

# Optional configuration

```
# ...  
}
```

#End of terraform script for creation of Azure App service

Terraform script for creation of Azure Storage

# Configure Terraform with Azure provider

```
terraform {  
  required_version = ">= 1.0"  
  required_providers {  
    azurerm = {  
      source = "hashicorp/azurerm"  
      version = "~> 3.0"  
    }  
  }  
}
```

# Configure Azure Provider for your Azure credentials

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

# Define variables for storage account configuration

```
variable "resource_group_name" {  
  type = string  
}
```

```
variable "storage_account_name" {  
  type = string  
}
```

```
variable "location" {  
  type = string  
}
```

```
variable "account_tier" {  
    type = string  
    default = "Standard"  
}
```

```
variable "account_replication_type" {  
    type = string  
    default = "LRS" # Locally Redundant Storage  
}
```

```
# Create a resource group for the storage account
```

```
resource "azurerm_resource_group" "rg" {  
    name = var.resource_group_name  
    location = var.location  
}
```

```
# Create the storage account
```

```
resource "azurerm_storage_account" "sa" {  
    name          = var.storage_account_name  
    location      = azurerm_resource_group.rg.location  
    resource_group_name = azurerm_resource_group.rg.name  
    account_tier   = var.account_tier  
    account_replication_type = var.account_replication_type
```

```
# Optional configuration
```

```
# ...  
}
```

```
#End of terraform script for creation of Azure Storage
```

Terraform script for creation of Azure VM

# Configure Terraform with Azure provider

```
terraform {  
  required_version = ">= 1.0"  
  required_providers {  
    azurerm = {  
      source = "hashicorp/azurerm"  
      version = "~> 3.0"  
    }  
  }  
}
```

# Configure Azure Provider for your Azure credentials

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

# Define variables for your VM configuration

```
variable "resource_group_name" {  
  type = string  
}
```

```
variable "vm_name" {  
  type = string  
}
```

```
variable "location" {  
  type = string
```

```
}
```

```
variable "vm_size" {  
  type = string  
}
```

```
# Create a resource group for the VM  
resource "azurerm_resource_group" "rg" {  
  name = var.resource_group_name  
  location = var.location  
}
```

```
# Define the virtual machine resource  
resource "azurerm_virtual_machine" "vm" {  
  name          = var.vm_name  
  location      = azurerm_resource_group.rg.location  
  resource_group_name = azurerm_resource_group.rg.name  
  vm_size      = var.vm_size
```

```
# Other VM configuration options
```

```
# ...  
}
```

```
#End of terraform script for creation of Azure VM
```