**Lab Manual- Import Exiting Azure Resource into terraform**

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# OBJECTIVE

To import existing resources, such as a storage account and container, into Terraform, follow these steps:

**Identify Resource IDs**: Obtain the resource IDs for the storage account and container you want to import. You can find these IDs in the Azure Portal or by using the Azure CLI.

**Create Terraform Configuration:** Set up a new main.tf file where you'll define the Terraform configuration for the storage account and container.

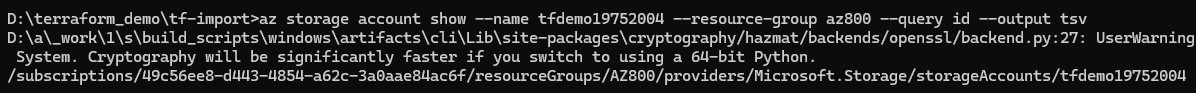
**Use terraform import:** Import the existing resources into Terraform state using the terraform import command. This command associates the existing resources with your Terraform configuration.

**Update main.tf:** Update the main.tf file to include the imported resources and configure them as desired.

# Get Existibg Storage Account Deatals

Obtain the resource IDs for the storage account and container. You can do this using the Azure CLI command **az storage account show** and **az storage container list**. For example:

az storage account show --name tfdemo19752004 --resource-group az800 --query id --output tsv



/subscriptions/49c56ee8-d443-4854-a62c-3a0aae84ac6f/resourceGroups/AZ800/providers/Microsoft.Storage/storageAccounts/importdemo

az storage container list --account-name tfdemo19752004

# Create Main.tf

**Create main.tf**

terraform {

  required\_providers {

    azurerm = {

      source = "hashicorp/azurerm"

      version = "~>3.0"

    }

  }

}

provider "azurerm" {

  features {}

  subscription\_id   = "49c56ee8-d443-4854-a62c-3a0aae84ac6f"

  tenant\_id         = "be04fbd5-6b00-412c-a86c-ca105b5cce90"

  client\_id         = "0b381472-3197-49d4-a324-f1a96a23c8a7"

  client\_secret     = "t8P8Q~Yb4L8Dn~oj9t5GPzFOROUqJM4VJXTTBbLH"

}

resource "azurerm\_storage\_account" "example" {

  name                     = "tfdemo19752004"

  resource\_group\_name      = "az800"

  location                 = "East US"

  account\_tier             = "Standard"

  account\_replication\_type = "LRS"

}

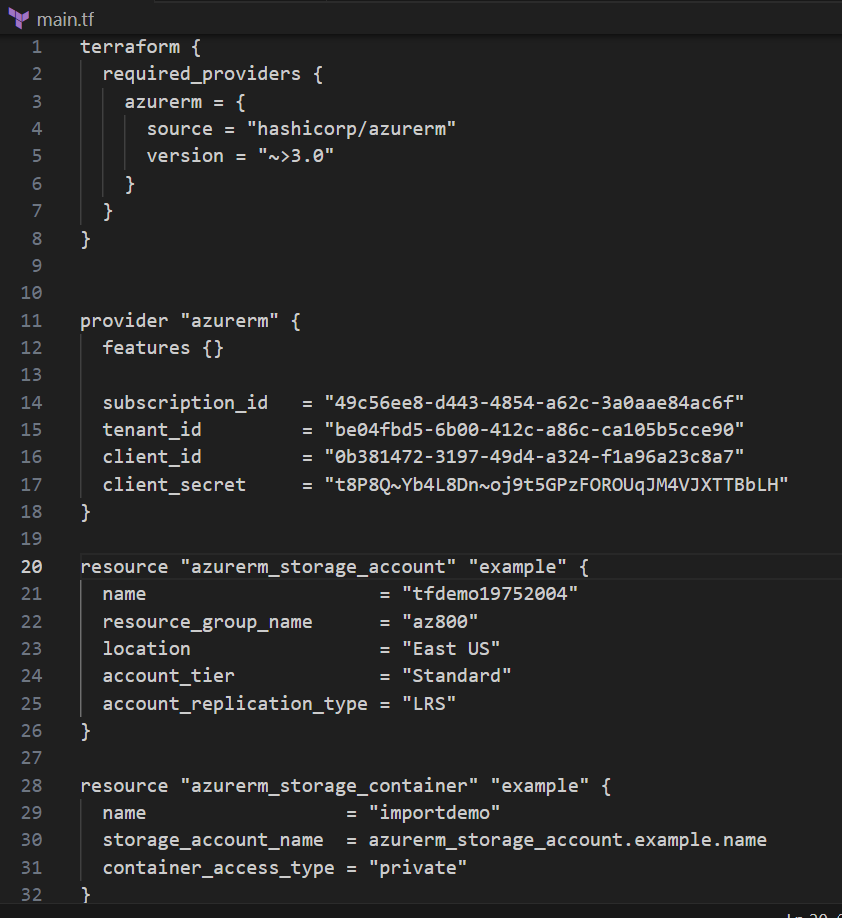
resource "azurerm\_storage\_container" "example" {

  name                  = "importdemo"

  storage\_account\_name  = azurerm\_storage\_account.example.name

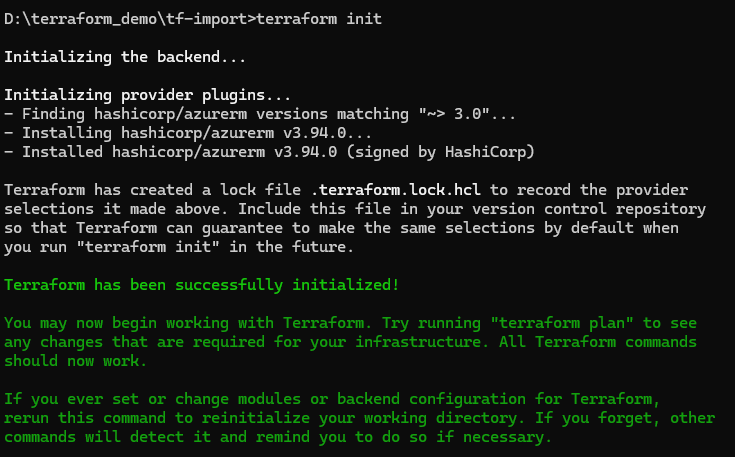
  container\_access\_type = "private"

}



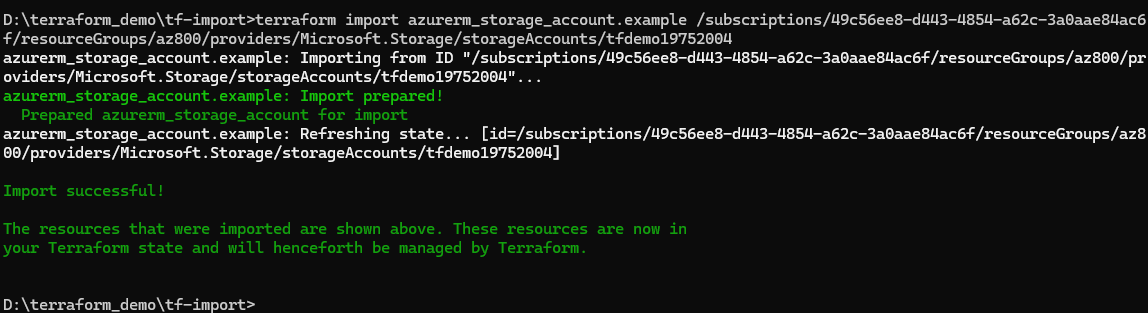
# Initialize Terraform and Import the existing storage account

terraform init

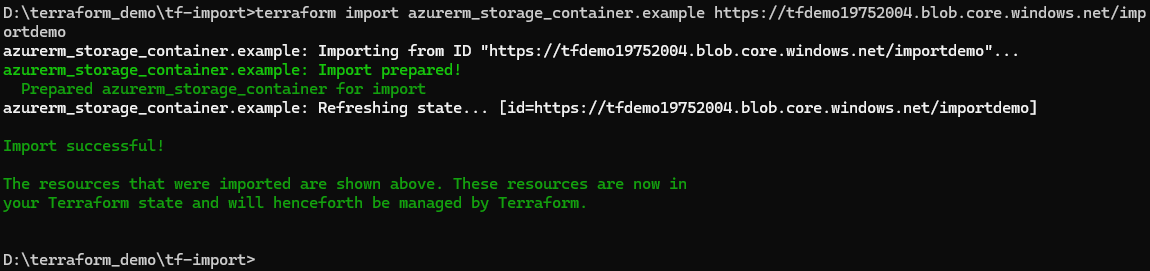


Run the following **terraform import** commands to import the storage account and container into Terraform state:

terraform import azurerm\_storage\_account.example /subscriptions/49c56ee8-d443-4854-a62c-3a0aae84ac6f/resourceGroups/az800/providers/Microsoft.Storage/storageAccounts/tfdemo19752004

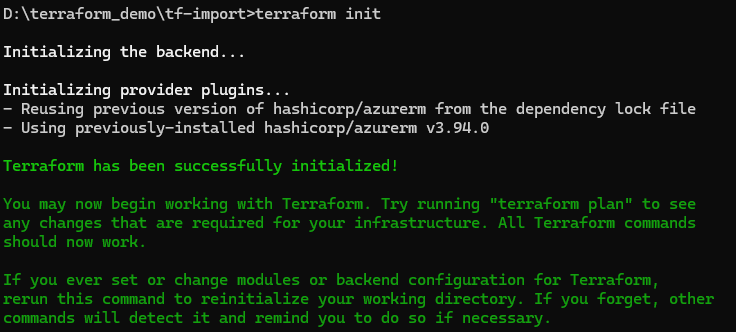


terraform import azurerm\_storage\_container.example https://tfdemo19752004.blob.core.windows.net/importdemo

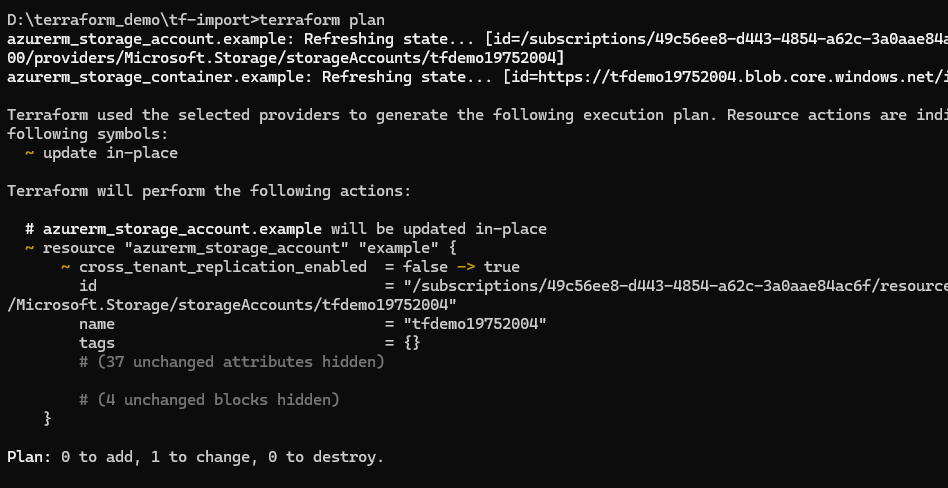


# Reinitialze Terrform after import

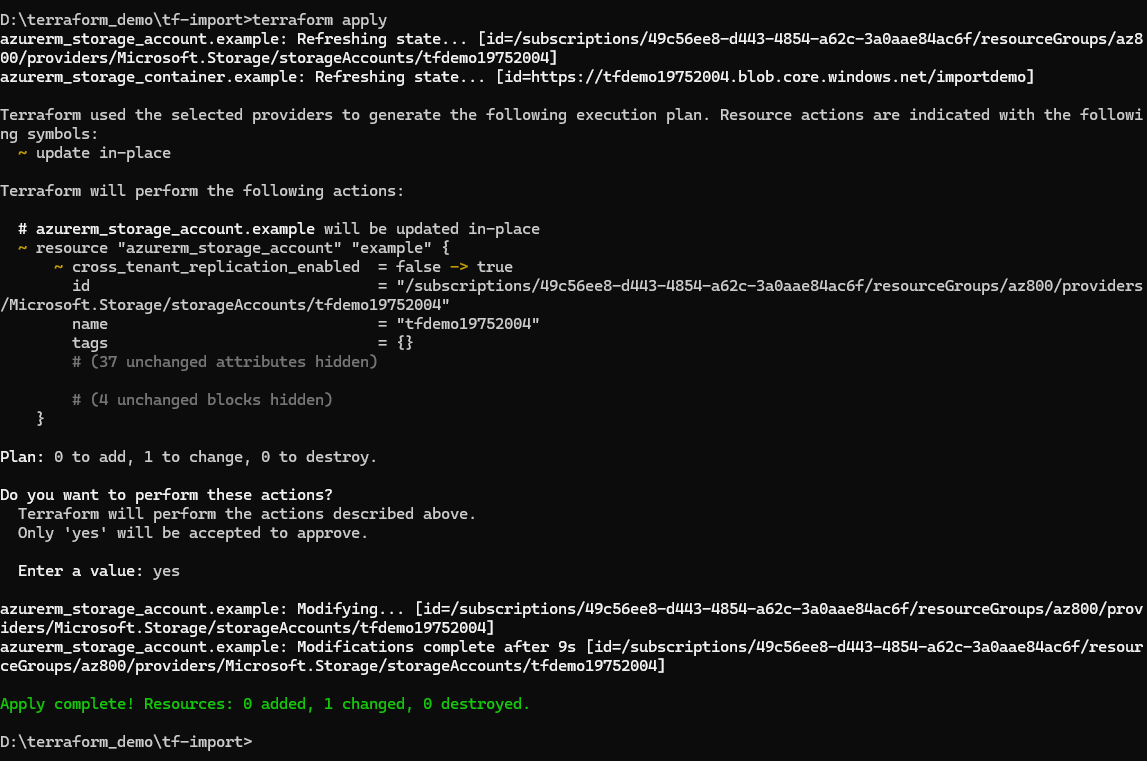
terraform init



terraform plan



terraform apply



# Import Existing Azure VM

# 1. Identify the resource ID of the existing resource you want to import

existing\_resource\_id = "/subscriptions/<subscription\_id>/resourceGroups/<resource\_group\_name>/providers/Microsoft.Compute/virtualMachines/<vm\_name>"

# 2. Create a new main.tf file

touch main.tf

# 3. Use the terraform import command to import the existing resource

terraform import azurerm\_virtual\_machine.example <existing\_resource\_id>

# 4. Update main.tf with the imported resource configuration

# Example main.tf configuration

provider "azurerm" {

  features {}

  subscription\_id = "<subscription\_id>"

  tenant\_id       = "<tenant\_id>"

  client\_id       = "<client\_id>"

  client\_secret   = "<client\_secret>"

}

resource "azurerm\_virtual\_machine" "example" {

  name                  = "vm\_name" # Specify the name of the virtual machine

  resource\_group\_name   = "resource\_group\_name" # Specify the resource group name

  location              = "location" # Specify the location

  # Add other configuration parameters as needed

}