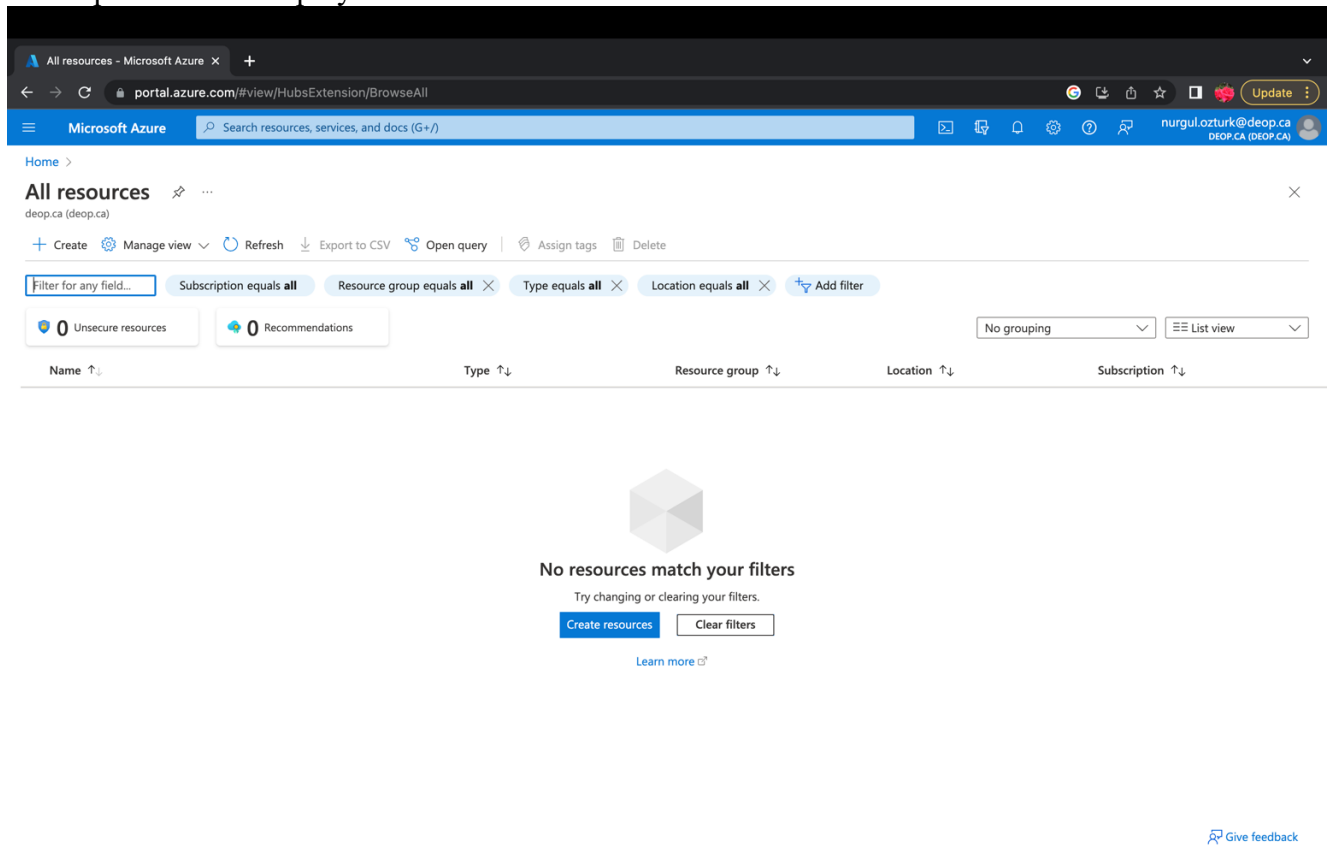


# Hashicorp\_Terraform Project1

## Deployment of Azure resource group, storage account and virtual machine via Hashicorp\_Terraform

### Azure portal before deployment



## After deployment Resource group

The screenshot displays the Microsoft Azure portal interface for the 'rg1' resource group. The left sidebar shows the 'Resource groups' list with 'rg1' selected. The main content area is divided into several sections:

- Overview:** Shows the resource group name 'rg1', subscription 'Azure subscription 1', subscription ID '97bd5240-6f78-4c57-a1f4-3a595d12831c', and location 'Canada East'.
- Resources:** A table listing resources within the group, filtered by 'Type equals all' and 'Location equals all'. The table shows 5 records.

Name	Type	Location
myosdisk1	Disk	Canada East
nrglnic	Network interface	Canada East
nrgstorageacc	Storage account	Canada East
nrglvm	Virtual machine	Canada East
virtualnetwork	Virtual network	Canada East

## Storage account

The screenshot displays the Microsoft Azure portal interface for the 'nrgstorageacc' storage account. The left sidebar shows the 'Storage account' list with 'nrgstorageacc' selected. The main content area is divided into several sections:

- Overview:** Shows the storage account name 'nrgstorageacc', resource group 'rg1', location 'Canada East', primary/secondary location 'Primary: Canada East, Secondary: Canada Central', subscription 'Azure subscription 1', subscription ID '97bd5240-6f78-4c57-a1f4-3a595d12831c', and disk state 'Primary: Available, Secondary: Available'.
- Properties:** A table listing various properties and their status.

Property	Status
Blob service	
Hierarchical namespace	Disabled
Default access tier	Hot
Blob public access	Enabled
Blob soft delete	Disabled
Container soft delete	Disabled
Versioning	Disabled
Change feed	Disabled
NFS v3	Disabled
Allow cross-tenant replication	Enabled
File service	
Large file share	Disabled

# Virtual machine

Microsoft Azure

Search resources, services, and docs (G+ /)

Home > rg1 >

nrglvm

Virtual machine

Search

Connect

Start

Restart

Stop

Capture

Delete

Refresh

Open in mobile

CLI / PS

Feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Extensions + applications

Continuous delivery

Availability + scaling

Configuration

Identity

Properties

Locks

Operations

Essentials

Resource group (move) : rg1

Status : Running

Location : Canada East

Subscription (move) : Azure subscription 1

Subscription ID : 97bd5240-6f78-4c57-a1f4-3a595d12831c

Tags (edit) : Click here to add tags

Operating system : Linux (ubuntu 16.04)

Size : Standard DS1 v2 (1 vcpu, 3.5 GiB memory)

Public IP address : -

Virtual network/subnet : virtualnetwork/internal\_subnet

DNS name : -

Properties

Monitoring

Capabilities (7)

Recommendations

Tutorials

Virtual machine

Computer name : nrglvm

Health state : -

Operating system : Linux (ubuntu 16.04)

Publisher : Canonical

Offer : UbuntuServer

Plan : 16.04-LTS

VM generation : V1

VM architecture : x64

Agent status : Ready

Agent version : 2.8.0.11

Host group : None

Host : -

Networking

Public IP address : -

Public IP address (IPv6) : -

Private IP address : 10.0.2.4

Private IP address (IPv6) : -

Virtual network/subnet : virtualnetwork/internal\_subnet

DNS name : Configure

Size

Size : Standard DS1 v2

vCPUs : 1

RAM : 3.5 GiB

Disk

EXPLORER

TERRAFORMPROJECT

.terraform

.terraform.lock.hcl

azure.tf

main.tf

terraform.tfstate

terraform.tfstate.backup

Get Started

main.tf

azure.tf

resource "azurerm\_virtual\_machine" "vm" > os\_profile > admin\_password

15

16 tags = {

17 dev = "devtest"

18 }

19 }

20

21 # Vnet

22 resource "azurerm\_virtual\_network" "virtual\_network" {

23 name = "virtualnetwork"

24 address\_space = ["10.0.0.0/16"]

25 location = azurerm\_resource\_group.resource\_group\_name, location

26 resource\_group\_name = azurerm\_resource\_group.resource\_group\_name.name

27 }

28

29 # Subnet

30 resource "azurerm\_subnet" "subnet" {

31 name = "internal\_subnet"

32 resource\_group\_name = azurerm\_resource\_group.resource\_group\_name.name

33 virtual\_network\_name = azurerm\_virtual\_network.virtual\_network.name

34 address\_prefixes = ["10.0.2.0/24"]

35 }

36

37 # Nic

38 resource "azurerm\_network\_interface" "nic" {

39 name = "nrglnic"

40 location = azurerm\_resource\_group.resource\_group\_name.location

41 }

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

+ managed\_disk\_type = "Standard\_LRS"

+ name = "myosdisk1"

+ os\_type = (known after apply)

+ write\_accelerator\_enabled = false

}

}

Plan: 1 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.

Enter a value: yes

azurerm\_virtual\_machine.vm: Creating...

azurerm\_virtual\_machine.vm: Still creating... [10s elapsed]

azurerm\_virtual\_machine.vm: Still creating... [20s elapsed]

azurerm\_virtual\_machine.vm: Still creating... [30s elapsed]

azurerm\_virtual\_machine.vm: Still creating... [40s elapsed]

azurerm\_virtual\_machine.vm: Creation complete after 49s [id=/subscriptions/97bd5240-6f78-4c57-a1f4-3a595d12831c/resourceGroups/rgl/providers/Microsoft.Compute/virtualMachines/nrglvm]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

nurgul@nurguls-Air terraformproject %

Ln 75, Col 38

Spaces: 4

UTF-8

LF

Terraform

Go Live

Spell

Prettier