FREE AZURE DEVOPS BOOTCAMP5

Free 30 DAYS DevOps + AZURE Bootcamp5

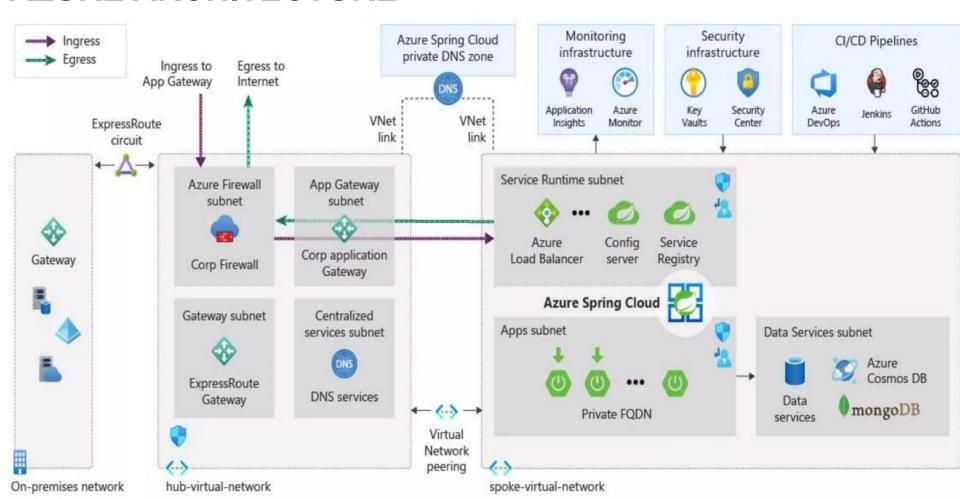
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 [14+ Real time Projects/Begin

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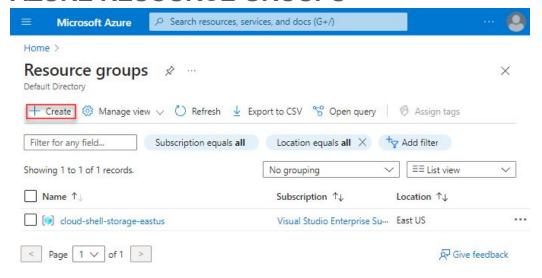


AZURE ARCHITECTURE



AZURE INFRA KICKSTART

AZURE RESOURCE GROUPS





AZURE Storage Data Services

Azure Storage Data Services





Ideal for storing large unstructured files are stored, and can be accessed using the URL over HTTP/HTTPs



Ideal for storing highly accessible files accessed over SMB, allowing concurrent access from multiple VM's



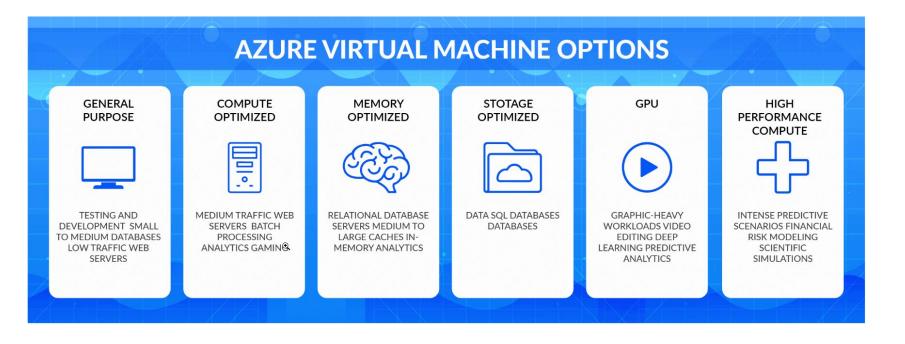
Ideal for storing millions of messages in the queue for asynchronous processing



Ideal for storing structured NoSQL data with no need to write complex queries

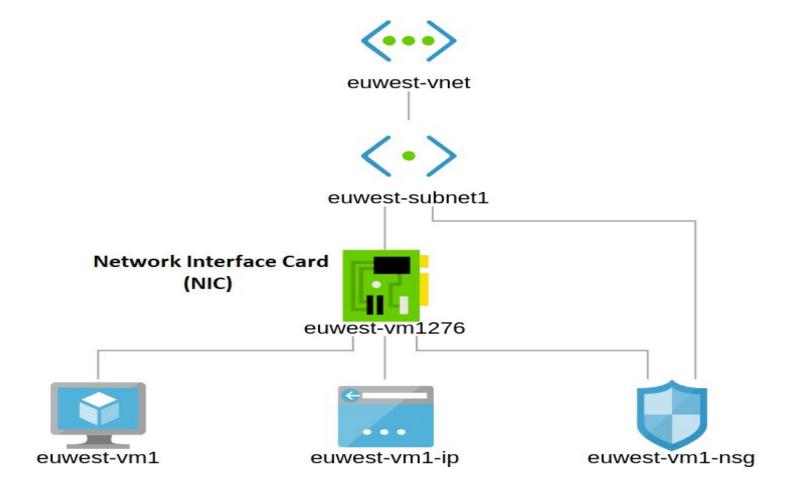


Azure Virtual Machines



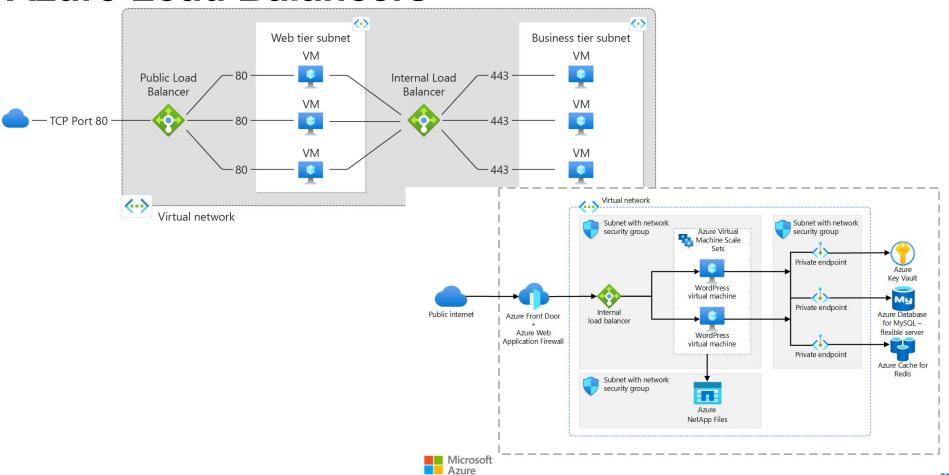


Network Interface Card (NIC)





Azure Load Balancers



Azure Terraform Provider

The Azure Provider can be used to configure infrastructure in microsoft Azure using the Azure Resource Manager API's.

```
# We strongly recommend using the required providers block to set th
# Azure Provider source and version being used
terraform {
  required_providers {
    azurerm = {
      source = "hashicorp/azurerm"
     version = "=3.0.0"
# Configure the Microsoft Azure Provider
provider "azurerm" {
 features {}
```



Create the Subnets and Resource managers

```
# Create a resource group
resource "azurerm_resource_group" "example" {
          = "example-resources"
  name
  location = "West Europe"
# Create a virtual network within the resource group
resource "azurerm_virtual_network" "example" {
                     = "example-network"
 name
  resource_group_name = azurerm_resource_group.example.name
  location
          = azurerm_resource_group.example.location
 address_space = ["10.0.0.0/16"]
```



Terraform Commands

Terraform Workflow

1

2

3

4

5

init

validate

plan

apply

destroy

- Used to Initialize a working directory containing terraform config files
- This is the first command that should be run after writing a new Terraform configuration
- Downloads Providers

- Validates the terraform configurations files in that respective directory to ensure they are syntactically valid and internally consistent.
- Creates an execution plan
- Terraform
 performs a refresh
 and determines
 what actions are
 necessary to
 achieve the
 desired state
 specified in
- Used to apply the changes required to reach the desired state of the configuration.
- default, apply scan s the current directory for the configuration and applies the changes appropriately.
- Used to destroy the Terraformmanaged infrastructure
- This will ask for confirmation before destroying.

