1. First you can create a file named machine.tf and add the following contents to the file

*Remember to ensure that you already have a storage account in place and replace the name of the storage account accordingly in the below configuration file. Also replace other values wherever it is applicable for your environment*

variable "storage\_account\_name" {

type=string

default=" az400terraform120522"

}

variable "network\_name" {

type=string

default="terraform\_network"

}

variable "vm\_name" {

type=string

default="ubuntu-terraform-vm"

}

provider "azurerm"{

version = "=2.0"

subscription\_id = " 2bc6e5ee-4850-4548-9882-b2b5ed8b51d4"

tenant\_id = " 6b40ad34-f068-4b18-80e5-6f2ff666121c"

features {}

}

resource "azurerm\_virtual\_network" "terraform\_network" {

name = var.network\_name

address\_space = ["10.0.0.0/16"]

location = "North Europe"

resource\_group\_name = " az400\_terraform\_grp"

}

resource "azurerm\_subnet" "default" {

name = "default"

resource\_group\_name = " az400\_terraform\_grp"

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

address\_prefix = "10.0.0.0/24"

}

resource "azurerm\_network\_interface" "interface" {

name = "default-interface"

location = "North Europe"

resource\_group\_name = " az400\_terraform\_grp"

ip\_configuration {

name = "interfaceconfiguration"

subnet\_id = azurerm\_subnet.default.id

private\_ip\_address\_allocation = "Dynamic"

}

}

resource "azurerm\_virtual\_machine" "vm" {

name = var.vm\_name

location = "East US"

resource\_group\_name = " az400\_terraform\_grp"

network\_interface\_ids = [azurerm\_network\_interface.interface.id]

vm\_size = "Standard\_DS1\_v2"

storage\_image\_reference {

publisher = "Canonical"

offer = "UbuntuServer"

sku = "18.04-LTS"

version = "latest"

}

storage\_os\_disk {

name = "osdisk1"

caching = "ReadWrite"

create\_option = "FromImage"

managed\_disk\_type = "Standard\_LRS"

}

os\_profile {

computer\_name = "ubuntu-terraform-vm"

admin\_username = "makarand"

admin\_password = "makarand@1234"

}

os\_profile\_linux\_config {

disable\_password\_authentication = false

}

}

1. In Azure Cloud shell you can execute the following commands
   1. Initialize terraform

terraform init

* 1. Create the terraform plan

*terraform plan -out machine.tfplan*

* 1. Apply the terraform plan

*terraform apply "machine.tfplan"*