terraform show solution.plan

pjsaha@web-svr:~/IaC/terraform-template$ terraform show solution.plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  + create

Terraform will perform the following actions:

```
 # azurerm_availability_set.main_avset will be created
 + resource "azurerm_availability_set" "main_avset" {
    + id                            = (known after apply)
    + location                   = "eastus"
    + managed                    = true
    + name                       = "demo-avset"
    + platform_fault_domain_count  = 2
    + platform_update_domain_count = 2
    + resource_group_name        = "Azuredevops"
  }

 # azurerm_lb.main_lb will be created
 + resource "azurerm_lb" "main_lb" {
    + id                = (known after apply)
    + location          = "eastus"
    + name              = "demo-lb"
    + private_ip_address   = (known after apply)
    + private_ip_addresses = (known after apply)
    + resource_group_name  = "Azuredevops"
    + sku              = "Basic"
    + sku_tier         = "Regional"

    + frontend_ip_configuration {
       + gateway_load_balancer_frontend_ip_configuration_id = (known after apply)
       + id                           = (known after apply)
       + inbound_nat_rules                = (known after apply)
       + load_balancer_rules              = (known after apply)
       + name                         = "PublicIPAddress"
       + outbound_rules               = (known after apply)
       + private_ip_address           = (known after apply)
       + private_ip_address_allocation    = (known after apply)
       + private_ip_address_version       = (known after apply)
       + public_ip_address_id         = (known after apply)
       + public_ip_prefix_id          = (known after apply)
       + subnet_id                    = (known after apply)
     }
  }

 # azurerm_lb_backend_address_pool.main_bepool will be created
 + resource "azurerm_lb_backend_address_pool" "main_bepool" {
    + backend_ip_configurations = (known after apply)
    + id                   = (known after apply)
```

```
      + inbound_nat_rules      = (known after apply)
      + load_balancing_rules   = (known after apply)
      + loadbalancer_id        = (known after apply)
      + name                   = "demo-bepool"
      + outbound_rules         = (known after apply)
    }

  # azurerm_linux_virtual_machine.main_vm will be created
  + resource "azurerm_linux_virtual_machine" "main_vm" {
      + admin_password                                 = (sensitive value)
      + admin_username                                 = "pjsaha"
      + allow_extension_operations                     = true
      + availability_set_id                            = (known after apply)
      + bypass_platform_safety_checks_on_user_schedule_enabled = false
      + computer_name                                  = (known after apply)
      + disable_password_authentication                = false
      + disk_controller_type                           = (known after apply)
      + extensions_time_budget                         = "PT1H30M"
      + id                                             = (known after apply)
      + location                                       = "eastus"
      + max_bid_price                                  = -1
      + name                                           = "demo-vm"
      + network_interface_ids                          = (known after apply)
      + patch_assessment_mode                          = "ImageDefault"
      + patch_mode                                     = "ImageDefault"
      + platform_fault_domain                          = -1
      + priority                                       = "Regular"
      + private_ip_address                             = (known after apply)
      + private_ip_addresses                           = (known after apply)
      + provision_vm_agent                             = true
      + public_ip_address                              = (known after apply)
      + public_ip_addresses                            = (known after apply)
      + resource_group_name                            = "Azuredevops"
      + size                                           = "Standard_D2s_v3"
      + source_image_id                                = "/subscriptions/456cc604-544c-45f8-99d0-
c1b73aeec440/resourceGroups/Azuredevops/providers/Microsoft.Compute/images/packer-
ubuntu-server"
      + tags                                           = {
        + "Project" = "Udacity-Costco-Cloud-Infrastructure"
      }
      + virtual_machine_id                             = (known after apply)
      + vm_agent_platform_updates_enabled              = (known after apply)

      + os_disk {
          + caching                = "ReadWrite"
          + disk_size_gb           = (known after apply)
          + id                     = (known after apply)
          + name                   = "demo-osdisk"
          + storage_account_type   = "Standard_LRS"
          + write_accelerator_enabled = false
      }

      + termination_notification (known after apply)
    }
```

```
# azurerm_managed_disk.main_data_disk will be created
+ resource "azurerm_managed_disk" "main_data_disk" {
    + create_option                     = "Empty"
    + disk_iops_read_only               = (known after apply)
    + disk_iops_read_write              = (known after apply)
    + disk_mbps_read_only               = (known after apply)
    + disk_mbps_read_write              = (known after apply)
    + disk_size_gb                      = 64
    + id                                = (known after apply)
    + location                          = "eastus"
    + logical_sector_size               = (known after apply)
    + max_shares                        = (known after apply)
    + name                              = "demo-datadisk"
    + network_access_policy             = "AllowAll"
    + optimized_frequent_attach_enabled = false
    + performance_plus_enabled          = false
    + public_network_access_enabled     = true
    + resource_group_name               = "Azuredevops"
    + source_uri                        = (known after apply)
    + storage_account_type              = "Standard_LRS"
    + tier                              = (known after apply)
  }

# azurerm_network_interface.main_nic will be created
+ resource "azurerm_network_interface" "main_nic" {
    + accelerated_networking_enabled = false
    + applied_dns_servers            = (known after apply)
    + id                             = (known after apply)
    + internal_domain_name_suffix    = (known after apply)
    + ip_forwarding_enabled          = false
    + location                       = "eastus"
    + mac_address                    = (known after apply)
    + name                           = "demo-nic"
    + private_ip_address             = (known after apply)
    + private_ip_addresses           = (known after apply)
    + resource_group_name            = "Azuredevops"
    + virtual_machine_id             = (known after apply)

    + ip_configuration {
        + gateway_load_balancer_frontend_ip_configuration_id = (known after apply)
        + name                          = "internal"
        + primary                       = (known after apply)
        + private_ip_address            = (known after apply)
        + private_ip_address_allocation = "Dynamic"
        + private_ip_address_version    = "IPv4"
        + subnet_id                     = (known after apply)
      }
  }

# azurerm_network_interface_backend_address_pool_association.main_nic_lb_assoc will be
created
+ resource "azurerm_network_interface_backend_address_pool_association"
"main_nic_lb_assoc" {
```

```
      + backend_address_pool_id = (known after apply)
      + id                      = (known after apply)
      + ip_configuration_name   = "internal"
      + network_interface_id    = (known after apply)
    }

  # azurerm_network_security_group.main_nsg will be created
  + resource "azurerm_network_security_group" "main_nsg" {
      + id                  = (known after apply)
      + location            = "eastus"
      + name                = "demo-nsg"
      + resource_group_name = "Azuredevops"
      + security_rule       = [
          + {
              + access                                     = "Allow"
              + destination_address_prefix                 = "*"
              + destination_address_prefixes               = []
              + destination_application_security_group_ids = []
              + destination_port_range                     = "80"
              + destination_port_ranges                    = []
              + direction                                  = "Inbound"
              + name                                       = "Allow-HTTP-From-LB"
              + priority                                   = 200
              + protocol                                   = "Tcp"
              + source_address_prefix                      = "AzureLoadBalancer"
              + source_address_prefixes                    = []
              + source_application_security_group_ids      = []
              + source_port_range                          = "*"
              + source_port_ranges                         = []
                # (1 unchanged attribute hidden)
            },
          + {
              + access                                     = "Allow"
              + destination_address_prefix                 = "VirtualNetwork"
              + destination_address_prefixes               = []
              + destination_application_security_group_ids = []
              + destination_port_range                     = "*"
              + destination_port_ranges                    = []
              + direction                                  = "Inbound"
              + name                                       = "Allow-VNet-Inbound"
              + priority                                   = 300
              + protocol                                   = "*"
              + source_address_prefix                      = "VirtualNetwork"
              + source_address_prefixes                    = []
              + source_application_security_group_ids      = []
              + source_port_range                          = "*"
              + source_port_ranges                         = []
                # (1 unchanged attribute hidden)
            },
          + {
              + access                                     = "Allow"
              + destination_address_prefix                 = "VirtualNetwork"
              + destination_address_prefixes               = []
              + destination_application_security_group_ids = []
```

```
            + destination_port_range                 = "*"
            + destination_port_ranges                = []
            + direction                        = "Outbound"
            + name                             = "Allow-VNet-Outbound"
            + priority                     = 400
            + protocol                        = "*"
            + source_address_prefix                = "VirtualNetwork"
            + source_address_prefixes             = []
            + source_application_security_group_ids   = []
            + source_port_range                 = "*"
            + source_port_ranges                = []
              # (1 unchanged attribute hidden)
          },
        + {
            + access                          = "Deny"
            + destination_address_prefix             = "*"
            + destination_address_prefixes          = []
            + destination_application_security_group_ids = []
            + destination_port_range                 = "*"
            + destination_port_ranges                = []
            + direction                        = "Inbound"
            + name                             = "Deny-Internet-Inbound"
            + priority                     = 100
            + protocol                        = "*"
            + source_address_prefix                = "Internet"
            + source_address_prefixes             = []
            + source_application_security_group_ids   = []
            + source_port_range                 = "*"
            + source_port_ranges                = []
              # (1 unchanged attribute hidden)
          },
      ]
  }

# azurerm_public_ip.main_public_ip will be created
+ resource "azurerm_public_ip" "main_public_ip" {
    + allocation_method     = "Dynamic"
    + ddos_protection_mode   = "VirtualNetworkInherited"
    + fqdn              = (known after apply)
    + id               = (known after apply)
    + idle_timeout_in_minutes = 4
    + ip_address           = (known after apply)
    + ip_version           = "IPv4"
    + location           = "eastus"
    + name              = "demo-public-ip"
    + resource_group_name    = "Azuredevops"
    + sku             = "Basic"
    + sku_tier            = "Regional"
  }

# azurerm_subnet.main_subnet will be created
+ resource "azurerm_subnet" "main_subnet" {
    + address_prefixes                = [
      + "10.0.1.0/24",
```

```
      ]
    + default_outbound_access_enabled            = true
    + id                                   = (known after apply)
    + name                                       = "demo-subnet"
    + private_endpoint_network_policies          = "Disabled"
    + private_link_service_network_policies_enabled = true
    + resource_group_name                        = "Azuredevops"
    + virtual_network_name                       = "demo-vnet"
  }

  # azurerm_subnet_network_security_group_association.main_assoc will be created
  + resource "azurerm_subnet_network_security_group_association" "main_assoc" {
    + id                    = (known after apply)
    + network_security_group_id = (known after apply)
    + subnet_id             = (known after apply)
  }

  # azurerm_virtual_machine_data_disk_attachment.main_data_disk_attach will be created
  + resource "azurerm_virtual_machine_data_disk_attachment" "main_data_disk_attach" {
    + caching             = "ReadWrite"
    + create_option       = "Attach"
    + id                  = (known after apply)
    + lun                 = 0
    + managed_disk_id     = (known after apply)
    + virtual_machine_id  = (known after apply)
    + write_accelerator_enabled = false
  }

  # azurerm_virtual_network.main_vnet will be created
  + resource "azurerm_virtual_network" "main_vnet" {
    + address_space              = [
      + "10.0.0.0/16",
      ]
    + dns_servers                = (known after apply)
    + guid                       = (known after apply)
    + id                         = (known after apply)
    + location                   = "eastus"
    + name                       = "demo-vnet"
    + private_endpoint_vnet_policies = "Disabled"
    + resource_group_name        = "Azuredevops"
    + subnet                     = (known after apply)
  }

Plan: 13 to add, 0 to change, 0 to destroy.
pjsaha@web-svr:~/IaC/terraform-template$
```