terraform {

  required\_providers {

    azurerm = {

      source  = "azurerm"

      version = "4.33.0"

    }

  }

}

provider "azurerm" {

  features {}

}

#creation of Resource group

resource "azurerm\_resource\_group" "rg\_dev" {

  location   = var.LOCATION

  managed\_by = ""

  name       = var.RG\_NAME

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

}

#creation of ADF resource

resource "azurerm\_data\_factory" "adf\_dev" {

  customer\_managed\_key\_id          = ""

  customer\_managed\_key\_identity\_id = ""

  location                         = "westeurope"

  managed\_virtual\_network\_enabled  = true

  name                             = var.ADF\_NAME

  public\_network\_enabled           = false

  purview\_id                       = ""

  resource\_group\_name              = azurerm\_resource\_group.rg\_dev.name

  tags = {

    "Support Contact" = "Vijay Ganji"

  }

  identity {

    identity\_ids = []

    type         = "SystemAssigned"

  }

}

#creation of ADF Autoresolve IR ( NOTE: For On-Prem SQL Server connection we need self hosted IR)

resource "azurerm\_data\_factory\_integration\_runtime\_azure" "adf\_autoir" {

  cleanup\_enabled         = false

  compute\_type            = "General"

  core\_count              = 8

  data\_factory\_id         = azurerm\_data\_factory.adf\_dev.id

  description             = ""

  location                = "autoresolve"

  name                    = "AutoResolveIntegrationRuntime"

  time\_to\_live\_min        = 0

  virtual\_network\_enabled = true

}

#creation of Azure Data bricks resource

resource "azurerm\_databricks\_workspace" "adb\_dev" {

  customer\_managed\_key\_enabled                        = false

  infrastructure\_encryption\_enabled                   = true

  load\_balancer\_backend\_address\_pool\_id               = ""

  location                                            = "westeurope"

  managed\_disk\_cmk\_key\_vault\_id                       = ""

  managed\_disk\_cmk\_key\_vault\_key\_id                   = ""

  managed\_disk\_cmk\_rotation\_to\_latest\_version\_enabled = false

  managed\_resource\_group\_name                         = "MRG"

  managed\_services\_cmk\_key\_vault\_id                   = ""

  managed\_services\_cmk\_key\_vault\_key\_id               = ""

  name                                                = var.ADB\_NAME

  public\_network\_access\_enabled                       = true

  resource\_group\_name                                 = azurerm\_resource\_group.rg\_dev.name

  sku                                                 = "premium"

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

  custom\_parameters {

    machine\_learning\_workspace\_id                        = ""

    nat\_gateway\_name                                     = ""

    no\_public\_ip                                         = true

    private\_subnet\_name                                  = "Private-ADB"

    private\_subnet\_network\_security\_group\_association\_id = ""

    public\_ip\_name                                       = ""

    public\_subnet\_name                                   = "Public-ADB"

    public\_subnet\_network\_security\_group\_association\_id  = ""

    storage\_account\_name                                 = "dbstorageohu5pvmp7vgau"

    storage\_account\_sku\_name                             = "Standard\_GRS"

    virtual\_network\_id                                   = azurerm\_virtual\_network.res-36.id

    vnet\_address\_prefix                                  = ""

  }

  enhanced\_security\_compliance {

    automatic\_cluster\_update\_enabled      = false

    compliance\_security\_profile\_enabled   = false

    compliance\_security\_profile\_standards = []

    enhanced\_security\_monitoring\_enabled  = true

  }

}

#Azure key vault creation to store (SQL Credentials or ADF PAT)

resource "azurerm\_key\_vault" "akv\_dev" {

  access\_policy                   = []

  enable\_rbac\_authorization       = true

  enabled\_for\_deployment          = false

  enabled\_for\_disk\_encryption     = false

  enabled\_for\_template\_deployment = false

  location                        = var.LOCATION

  name                            = var.AKV\_NAME

  public\_network\_access\_enabled   = false

  purge\_protection\_enabled        = false

  resource\_group\_name             = azurerm\_resource\_group.rg\_dev.name

  sku\_name                        = "standard"

  soft\_delete\_retention\_days      = 90

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

  tenant\_id = ""

  network\_acls {

    bypass                     = "None"

    default\_action             = "Deny"

    ip\_rules                   = []

    virtual\_network\_subnet\_ids = []

  }

}

#NSG for ADF

resource "azurerm\_network\_security\_group" "adf\_nsg\_dev" {

  location            = var.LOCATION

  name                = "ADF-NSG"

  resource\_group\_name = azurerm\_resource\_group.rg\_dev.name

  security\_rule       = []

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

}

#Private endpoint for Azure storage account data lake

resource "azurerm\_network\_security\_group" "res-12" {

  location            = "westeurope"

  name                = "PE-ASA-DL"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  security\_rule       = []

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

}

resource "azurerm\_network\_security\_group" "res-13" {

  location            = "westeurope"

  name                = "VLK-Private-NSG"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  security\_rule       = []

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

}

resource "azurerm\_network\_security\_group" "res-14" {

  location            = "westeurope"

  name                = "VLK-Public-NSG"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  security\_rule       = []

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

}

resource "azurerm\_network\_security\_group" "res-15" {

  location            = "westeurope"

  name                = "databricksnsg2i277hvdzhcaq"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  security\_rule = [{

    access                                     = "Allow"

    description                                = "Required for worker communication with Azure Eventhub services."

    destination\_address\_prefix                 = "EventHub"

    destination\_address\_prefixes               = []

    destination\_application\_security\_group\_ids = []

    destination\_port\_range                     = "9093"

    destination\_port\_ranges                    = []

    direction                                  = "Outbound"

    name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-eventhub"

    priority                                   = 104

    protocol                                   = "Tcp"

    source\_address\_prefix                      = "VirtualNetwork"

    source\_address\_prefixes                    = []

    source\_application\_security\_group\_ids      = []

    source\_port\_range                          = "\*"

    source\_port\_ranges                         = []

    }, {

    access                                     = "Allow"

    description                                = "Required for worker nodes communication within a cluster."

    destination\_address\_prefix                 = "VirtualNetwork"

    destination\_address\_prefixes               = []

    destination\_application\_security\_group\_ids = []

    destination\_port\_range                     = "\*"

    destination\_port\_ranges                    = []

    direction                                  = "Inbound"

    name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-worker-inbound"

    priority                                   = 100

    protocol                                   = "\*"

    source\_address\_prefix                      = "VirtualNetwork"

    source\_address\_prefixes                    = []

    source\_application\_security\_group\_ids      = []

    source\_port\_range                          = "\*"

    source\_port\_ranges                         = []

    }, {

    access                                     = "Allow"

    description                                = "Required for worker nodes communication within a cluster."

    destination\_address\_prefix                 = "VirtualNetwork"

    destination\_address\_prefixes               = []

    destination\_application\_security\_group\_ids = []

    destination\_port\_range                     = "\*"

    destination\_port\_ranges                    = []

    direction                                  = "Outbound"

    name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-worker-outbound"

    priority                                   = 100

    protocol                                   = "\*"

    source\_address\_prefix                      = "VirtualNetwork"

    source\_address\_prefixes                    = []

    source\_application\_security\_group\_ids      = []

    source\_port\_range                          = "\*"

    source\_port\_ranges                         = []

    }, {

    access                                     = "Allow"

    description                                = "Required for workers communication with Azure SQL services."

    destination\_address\_prefix                 = "Sql"

    destination\_address\_prefixes               = []

    destination\_application\_security\_group\_ids = []

    destination\_port\_range                     = "3306"

    destination\_port\_ranges                    = []

    direction                                  = "Outbound"

    name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-sql"

    priority                                   = 102

    protocol                                   = "Tcp"

    source\_address\_prefix                      = "VirtualNetwork"

    source\_address\_prefixes                    = []

    source\_application\_security\_group\_ids      = []

    source\_port\_range                          = "\*"

    source\_port\_ranges                         = []

    }, {

    access                                     = "Allow"

    description                                = "Required for workers communication with Azure Storage services."

    destination\_address\_prefix                 = "Storage"

    destination\_address\_prefixes               = []

    destination\_application\_security\_group\_ids = []

    destination\_port\_range                     = "443"

    destination\_port\_ranges                    = []

    direction                                  = "Outbound"

    name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-storage"

    priority                                   = 103

    protocol                                   = "Tcp"

    source\_address\_prefix                      = "VirtualNetwork"

    source\_address\_prefixes                    = []

    source\_application\_security\_group\_ids      = []

    source\_port\_range                          = "\*"

    source\_port\_ranges                         = []

    }, {

    access                                     = "Allow"

    description                                = "Required for workers communication with Databricks control plane."

    destination\_address\_prefix                 = "AzureDatabricks"

    destination\_address\_prefixes               = []

    destination\_application\_security\_group\_ids = []

    destination\_port\_range                     = ""

    destination\_port\_ranges                    = ["3306", "443", "8443-8451"]

    direction                                  = "Outbound"

    name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-databricks-webapp"

    priority                                   = 101

    protocol                                   = "Tcp"

    source\_address\_prefix                      = "VirtualNetwork"

    source\_address\_prefixes                    = []

    source\_application\_security\_group\_ids      = []

    source\_port\_range                          = "\*"

    source\_port\_ranges                         = []

  }]

  tags = {}

}

resource "azurerm\_network\_security\_rule" "res-16" {

  access                                     = "Allow"

  description                                = "Required for workers communication with Databricks control plane."

  destination\_address\_prefix                 = "AzureDatabricks"

  destination\_address\_prefixes               = []

  destination\_application\_security\_group\_ids = []

  destination\_port\_range                     = ""

  destination\_port\_ranges                    = ["3306", "443", "8443-8451"]

  direction                                  = "Outbound"

  name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-databricks-webapp"

  network\_security\_group\_name                = "databricksnsg2i277hvdzhcaq"

  priority                                   = 101

  protocol                                   = "Tcp"

 Support Contact resource\_group\_name         = azurerm\_resource\_group.rg\_dev.name

  source\_address\_prefix                      = "VirtualNetwork"

  source\_address\_prefixes                    = []

  source\_application\_security\_group\_ids      = []

  source\_port\_range                          = "\*"

  source\_port\_ranges                         = []

  depends\_on = [

    azurerm\_network\_security\_group.res-15,

  ]

}

resource "azurerm\_network\_security\_rule" "res-17" {

  access                                     = "Allow"

  description                                = "Required for worker communication with Azure Eventhub services."

  destination\_address\_prefix                 = "EventHub"

  destination\_address\_prefixes               = []

  destination\_application\_security\_group\_ids = []

  destination\_port\_range                     = "9093"

  destination\_port\_ranges                    = []

  direction                                  = "Outbound"

  name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-eventhub"

  network\_security\_group\_name                = "databricksnsg2i277hvdzhcaq"

  priority                                   = 104

  protocol                                   = "Tcp"

 Support Contact resource\_group\_name         = azurerm\_resource\_group.rg\_dev.name

  source\_address\_prefix                      = "VirtualNetwork"

  source\_address\_prefixes                    = []

  source\_application\_security\_group\_ids      = []

  source\_port\_range                          = "\*"

  source\_port\_ranges                         = []

  depends\_on = [

    azurerm\_network\_security\_group.res-15,

  ]

}

resource "azurerm\_network\_security\_rule" "res-18" {

  access                                     = "Allow"

  description                                = "Required for workers communication with Azure SQL services."

  destination\_address\_prefix                 = "Sql"

  destination\_address\_prefixes               = []

  destination\_application\_security\_group\_ids = []

  destination\_port\_range                     = "3306"

  destination\_port\_ranges                    = []

  direction                                  = "Outbound"

  name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-sql"

  network\_security\_group\_name                = "databricksnsg2i277hvdzhcaq"

  priority                                   = 102

  protocol                                   = "Tcp"

 Support Contact resource\_group\_name         = azurerm\_resource\_group.rg\_dev.name

  source\_address\_prefix                      = "VirtualNetwork"

  source\_address\_prefixes                    = []

  source\_application\_security\_group\_ids      = []

  source\_port\_range                          = "\*"

  source\_port\_ranges                         = []

  depends\_on = [

    azurerm\_network\_security\_group.res-15,

  ]

}

resource "azurerm\_network\_security\_rule" "res-19" {

  access                                     = "Allow"

  description                                = "Required for workers communication with Azure Storage services."

  destination\_address\_prefix                 = "Storage"

  destination\_address\_prefixes               = []

  destination\_application\_security\_group\_ids = []

  destination\_port\_range                     = "443"

  destination\_port\_ranges                    = []

  direction                                  = "Outbound"

  name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-storage"

  network\_security\_group\_name                = "databricksnsg2i277hvdzhcaq"

  priority                                   = 103

  protocol                                   = "Tcp"

 Support Contact resource\_group\_name         = azurerm\_resource\_group.rg\_dev.name

  source\_address\_prefix                      = "VirtualNetwork"

  source\_address\_prefixes                    = []

  source\_application\_security\_group\_ids      = []

  source\_port\_range                          = "\*"

  source\_port\_ranges                         = []

  depends\_on = [

    azurerm\_network\_security\_group.res-15,

  ]

}

resource "azurerm\_network\_security\_rule" "res-20" {

  access                                     = "Allow"

  description                                = "Required for worker nodes communication within a cluster."

  destination\_address\_prefix                 = "VirtualNetwork"

  destination\_address\_prefixes               = []

  destination\_application\_security\_group\_ids = []

  destination\_port\_range                     = "\*"

  destination\_port\_ranges                    = []

  direction                                  = "Inbound"

  name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-worker-inbound"

  network\_security\_group\_name                = "databricksnsg2i277hvdzhcaq"

  priority                                   = 100

  protocol                                   = "\*"

 Support Contact resource\_group\_name         = azurerm\_resource\_group.rg\_dev.name

  source\_address\_prefix                      = "VirtualNetwork"

  source\_address\_prefixes                    = []

  source\_application\_security\_group\_ids      = []

  source\_port\_range                          = "\*"

  source\_port\_ranges                         = []

  depends\_on = [

    azurerm\_network\_security\_group.res-15,

  ]

}

resource "azurerm\_network\_security\_rule" "res-21" {

  access                                     = "Allow"

  description                                = "Required for worker nodes communication within a cluster."

  destination\_address\_prefix                 = "VirtualNetwork"

  destination\_address\_prefixes               = []

  destination\_application\_security\_group\_ids = []

  destination\_port\_range                     = "\*"

  destination\_port\_ranges                    = []

  direction                                  = "Outbound"

  name                                       = "Microsoft.Databricks-workspaces\_UseOnly\_databricks-worker-to-worker-outbound"

  network\_security\_group\_name                = "databricksnsg2i277hvdzhcaq"

  priority                                   = 100

  protocol                                   = "\*"

 Support Contact resource\_group\_name         = azurerm\_resource\_group.rg\_dev.name

  source\_address\_prefix                      = "VirtualNetwork"

  source\_address\_prefixes                    = []

  source\_application\_security\_group\_ids      = []

  source\_port\_range                          = "\*"

  source\_port\_ranges                         = []

  depends\_on = [

    azurerm\_network\_security\_group.res-15,

  ]

}

resource "azurerm\_private\_dns\_zone" "res-22" {

  name                = "privatelink.azuredatabricks.net"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  tags                = {}

  soa\_record {

    email        = "azureprivatedns-host.microsoft.com"

    expire\_time  = 2419200

    minimum\_ttl  = 10

    refresh\_time = 3600

    retry\_time   = 300

    tags         = {}

    ttl          = 3600

  }

}

resource "azurerm\_private\_dns\_zone\_virtual\_network\_link" "res-23" {

  name                  = "szfnwn6x5a6y4"

  private\_dns\_zone\_name = "privatelink.azuredatabricks.net"

  registration\_enabled  = false

  resource\_group\_name   = azurerm\_resource\_group.res-0.name

  tags                  = {}

  virtual\_network\_id    = azurerm\_virtual\_network.res-36.id

  depends\_on = [

    azurerm\_private\_dns\_zone.res-22,

  ]

}

resource "azurerm\_private\_dns\_zone" "res-24" {

  name                = "privatelink.blob.core.windows.net"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  tags                = {}

  soa\_record {

    email        = "azureprivatedns-host.microsoft.com"

    expire\_time  = 2419200

    minimum\_ttl  = 10

    refresh\_time = 3600

    retry\_time   = 300

    tags         = {}

    ttl          = 3600

  }

}

resource "azurerm\_private\_dns\_zone\_virtual\_network\_link" "res-25" {

  name                  = "szfnwn6x5a6y4"

  private\_dns\_zone\_name = "privatelink.blob.core.windows.net"

  registration\_enabled  = false

  resource\_group\_name   = azurerm\_resource\_group.res-0.name

  tags                  = {}

  virtual\_network\_id    = azurerm\_virtual\_network.res-36.id

  depends\_on = [

    azurerm\_private\_dns\_zone.res-24,

  ]

}

resource "azurerm\_private\_dns\_zone" "res-26" {

  name                = "privatelink.datafactory.azure.net"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  tags                = {}

  soa\_record {

    email        = "azureprivatedns-host.microsoft.com"

    expire\_time  = 2419200

    minimum\_ttl  = 10

    refresh\_time = 3600

    retry\_time   = 300

    tags         = {}

    ttl          = 3600

  }

}

resource "azurerm\_private\_dns\_zone\_virtual\_network\_link" "res-27" {

  name                  = "gqo3b4iisi6rc"

  private\_dns\_zone\_name = "privatelink.datafactory.azure.net"

  registration\_enabled  = false

  resource\_group\_name   = azurerm\_resource\_group.res-0.name

  tags                  = {}

  virtual\_network\_id    = azurerm\_virtual\_network.res-36.id

  depends\_on = [

    azurerm\_private\_dns\_zone.res-26,

  ]

}

resource "azurerm\_private\_dns\_zone" "res-28" {

  name                = "privatelink.vaultcore.azure.net"

  resource\_group\_name = azurerm\_resource\_group.res-0.name

  tags                = {}

  soa\_record {

    email        = "azureprivatedns-host.microsoft.com"

    expire\_time  = 2419200

    minimum\_ttl  = 10

    refresh\_time = 3600

    retry\_time   = 300

    tags         = {}

    ttl          = 3600

  }

}

resource "azurerm\_private\_dns\_zone\_virtual\_network\_link" "res-29" {

  name                  = "szfnwn6x5a6y4"

  private\_dns\_zone\_name = "privatelink.vaultcore.azure.net"

  registration\_enabled  = false

  resource\_group\_name   = azurerm\_resource\_group.res-0.name

  tags                  = {}

  virtual\_network\_id    = azurerm\_virtual\_network.res-36.id

  depends\_on = [

    azurerm\_private\_dns\_zone.res-28,

  ]

}

resource "azurerm\_private\_endpoint" "res-30" {

  custom\_network\_interface\_name = ""

  location                      = "westeurope"

  name                          = "PE-ADB"

  resource\_group\_name           = azurerm\_resource\_group.res-0.name

  subnet\_id                     = azurerm\_subnet.res-37.id

  tags                          = {}

  private\_dns\_zone\_group {

    name                 = "default"

    private\_dns\_zone\_ids = [azurerm\_private\_dns\_zone.res-22.id]

  }

  private\_service\_connection {

    is\_manual\_connection              = false

    name                              = "PE-ADB\_81c93926-20b0-429c-8064-39a98b4d30c9"

    private\_connection\_resource\_alias = ""

    private\_connection\_resource\_id    = "/subscriptions/dev-sub/resourcegroups/RG-VLK/providers/Microsoft.Databricks/workspaces/VLK-ADB"

    request\_message                   = ""

    subresource\_names                 = ["databricks\_ui\_api"]

  }

}

resource "azurerm\_private\_endpoint" "res-32" {

  custom\_network\_interface\_name = ""

  location                      = "westeurope"

  name                          = "PE-AKV"

  resource\_group\_name           = azurerm\_resource\_group.res-0.name

  subnet\_id                     = azurerm\_subnet.res-40.id

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

  private\_service\_connection {

    is\_manual\_connection              = false

    name                              = "PE-AKV\_81c93926-20b0-429c-8064-39a98b4d30df"

    private\_connection\_resource\_alias = ""

    private\_connection\_resource\_id    = azurerm\_key\_vault.res-7.id

    request\_message                   = ""

    subresource\_names                 = ["vault"]

  }

}

resource "azurerm\_private\_endpoint" "res-33" {

  custom\_network\_interface\_name = ""

  location                      = "westeurope"

  name                          = "PE-ASA-DL"

  resource\_group\_name           = azurerm\_resource\_group.res-0.name

  subnet\_id                     = "/subscriptions/dev-sub/resourceGroups/RG-VLK/providers/Microsoft.Network/virtualNetworks/VLK-VNet/subnets/PE-ASA-DL"

  tags = {

    "Support Contact" = "Vijay Ganji"

  }

  private\_service\_connection {

    is\_manual\_connection              = false

    name                              = "PE-ASA-DL\_81c93926-20b0-429c-8064-39a98b4d30f4"

    private\_connection\_resource\_alias = ""

    private\_connection\_resource\_id    = "/subscriptions/dev-sub/resourcegroups/RG-VLK/providers/Microsoft.Storage/storageAccounts/vlkasa"

    request\_message                   = ""

    subresource\_names                 = ["blob"]

  }

  depends\_on = [

    # One of azurerm\_subnet.res-41,azurerm\_subnet\_network\_security\_group\_association.res-42 (can't auto-resolve as their ids are identical)

  ]

}

resource "azurerm\_private\_endpoint" "res-34" {

  custom\_network\_interface\_name = ""

  location                      = "westeurope"

  name                          = "PE-VLK-ADF"

  resource\_group\_name           = azurerm\_resource\_group.res-0.name

  subnet\_id                     = "/subscriptions/dev-sub/resourceGroups/RG-VLK/providers/Microsoft.Network/virtualNetworks/VLK-VNet/subnets/PE-ADF"

  tags                          = {}

  private\_dns\_zone\_group {

    name                 = "default"

    private\_dns\_zone\_ids = ["/subscriptions/dev-sub/resourcegroups/RG-VLK/providers/Microsoft.Network/privateDnsZones/privatelink.datafactory.azure.net"]

  }

  private\_service\_connection {

    is\_manual\_connection              = false

    name                              = "PE-VLK-ADF"

    private\_connection\_resource\_alias = ""

    private\_connection\_resource\_id    = "/subscriptions/dev-sub/resourcegroups/RG-VLK/providers/Microsoft.DataFactory/factories/VLK-ADF"

    request\_message                   = ""

    subresource\_names                 = ["dataFactory"]

  }

  depends\_on = [

    # One of azurerm\_subnet.res-38,azurerm\_subnet\_network\_security\_group\_association.res-39 (can't auto-resolve as their ids are identical)

  ]

}

resource "azurerm\_virtual\_network" "res-36" {

  address\_space                  = ["10.0.1.0/24"]

  bgp\_community                  = ""

  dns\_servers                    = []

  edge\_zone                      = ""

  flow\_timeout\_in\_minutes        = 0

  location                       = "westeurope"

  name                           = "VLK-VNet"

  private\_endpoint\_vnet\_policies = "Disabled"

  resource\_group\_name            = azurerm\_resource\_group.res-0.name

  subnet = [{

    address\_prefixes                              = ["10.0.1.104/29"]

    default\_outbound\_access\_enabled               = false

    delegation                                    = []

    id                                            = azurerm\_subnet\_network\_security\_group\_association.res-39.id

    name                                          = "PE-ADF"

    private\_endpoint\_network\_policies             = "Disabled"

    private\_link\_service\_network\_policies\_enabled = true

    route\_table\_id                                = ""

    security\_group                                = azurerm\_network\_security\_group.res-11.id

    service\_endpoint\_policy\_ids                   = []

    service\_endpoints                             = []

    }, {

    address\_prefixes                              = ["10.0.1.32/28"]

    default\_outbound\_access\_enabled               = false

    delegation                                    = []

    id                                            = "/subscriptions/dev-sub/resourceGroups/RG-VLK/providers/Microsoft.Network/virtualNetworks/VLK-VNet/subnets/PE-AKV"

    name                                          = "PE-AKV"

    private\_endpoint\_network\_policies             = "Disabled"

    private\_link\_service\_network\_policies\_enabled = true

    route\_table\_id                                = ""

    security\_group                                = ""

    service\_endpoint\_policy\_ids                   = []

    service\_endpoints                             = []

    }, {

    address\_prefixes                              = ["10.0.1.48/28"]

    default\_outbound\_access\_enabled               = false

    delegation                                    = []

    id                                            = "/subscriptions/dev-sub/resourceGroups/RG-VLK/providers/Microsoft.Network/virtualNetworks/VLK-VNet/subnets/PE-ADB"

    name                                          = "PE-ADB"

    private\_endpoint\_network\_policies             = "Disabled"

    private\_link\_service\_network\_policies\_enabled = true

    route\_table\_id                                = ""

    security\_group                                = ""

    service\_endpoint\_policy\_ids                   = []

    service\_endpoints                             = []

    }, {

    address\_prefixes                = ["10.0.1.64/28"]

    default\_outbound\_access\_enabled = false

    delegation = [{

      name = "databricks-del-wkehkby3rdx3g"

      service\_delegation = [{

        actions = ["Microsoft.Network/virtualNetworks/subnets/join/action", "Microsoft.Network/virtualNetworks/subnets/prepareNetworkPolicies/action", "Microsoft.Network/virtualNetworks/subnets/unprepareNetworkPolicies/action"]

        name    = "Microsoft.Databricks/workspaces"

      }]

    }]

    id                                            = azurerm\_subnet\_network\_security\_group\_association.res-44.id

    name                                          = "Private-ADB"

    private\_endpoint\_network\_policies             = "Disabled"

    private\_link\_service\_network\_policies\_enabled = true

    route\_table\_id                                = ""

    security\_group                                = azurerm\_network\_security\_group.res-15.id

    service\_endpoint\_policy\_ids                   = []

    service\_endpoints                             = []

    }, {

    address\_prefixes                = ["10.0.1.80/28"]

    default\_outbound\_access\_enabled = false

    delegation = [{

      name = "databricks-del-wkehkby3rdx3g"

      service\_delegation = [{

        actions = ["Microsoft.Network/virtualNetworks/subnets/join/action", "Microsoft.Network/virtualNetworks/subnets/prepareNetworkPolicies/action", "Microsoft.Network/virtualNetworks/subnets/unprepareNetworkPolicies/action"]

        name    = "Microsoft.Databricks/workspaces"

      }]

    }]

    id                                            = azurerm\_subnet\_network\_security\_group\_association.res-46.id

    name                                          = "Public-ADB"

    private\_endpoint\_network\_policies             = "Disabled"

    private\_link\_service\_network\_policies\_enabled = true

    route\_table\_id                                = ""

    security\_group                                = azurerm\_network\_security\_group.res-15.id

    service\_endpoint\_policy\_ids                   = []

    service\_endpoints                             = []

    }, {

    address\_prefixes                              = ["10.0.1.96/29"]

    default\_outbound\_access\_enabled               = false

    delegation                                    = []

    id                                            = azurerm\_subnet\_network\_security\_group\_association.res-42.id

    name                                          = "PE-ASA-DL"

    private\_endpoint\_network\_policies             = "Disabled"

    private\_link\_service\_network\_policies\_enabled = true

    route\_table\_id                                = ""

    security\_group                                = azurerm\_network\_security\_group.res-12.id

    service\_endpoint\_policy\_ids                   = []

    service\_endpoints                             = []

  }]

  tags = {

    "Support Contact" = "Vijay Ganji "

  }

}

resource "azurerm\_subnet" "res-37" {

  address\_prefixes                              = ["10.0.1.48/28"]

  default\_outbound\_access\_enabled               = true

  name                                          = "PE-ADB"

  private\_endpoint\_network\_policies             = "Disabled"

  private\_link\_service\_network\_policies\_enabled = true

  resource\_group\_name                           = azurerm\_resource\_group.res-0.name

  service\_endpoint\_policy\_ids                   = []

  service\_endpoints                             = []

  virtual\_network\_name                          = "VLK-VNet"

  depends\_on = [

    azurerm\_virtual\_network.res-36,

  ]

}

resource "azurerm\_subnet" "res-38" {

  address\_prefixes                              = ["10.0.1.104/29"]

  default\_outbound\_access\_enabled               = true

  name                                          = "PE-ADF"

  private\_endpoint\_network\_policies             = "Disabled"

  private\_link\_service\_network\_policies\_enabled = true

  resource\_group\_name                           = azurerm\_resource\_group.res-0.name

  service\_endpoint\_policy\_ids                   = []

  service\_endpoints                             = []

  virtual\_network\_name                          = "VLK-VNet"

  depends\_on = [

    azurerm\_virtual\_network.res-36,

  ]

}

resource "azurerm\_subnet\_network\_security\_group\_association" "res-39" {

  network\_security\_group\_id = azurerm\_network\_security\_group.res-11.id

  subnet\_id                 = azurerm\_subnet.res-38.id

}

resource "azurerm\_subnet" "res-40" {

  address\_prefixes                              = ["10.0.1.32/28"]

  default\_outbound\_access\_enabled               = true

  name                                          = "PE-AKV"

  private\_endpoint\_network\_policies             = "Disabled"

  private\_link\_service\_network\_policies\_enabled = true

  resource\_group\_name                           = azurerm\_resource\_group.res-0.name

  service\_endpoint\_policy\_ids                   = []

  service\_endpoints                             = []

  virtual\_network\_name                          = "VLK-VNet"

  depends\_on = [

    azurerm\_virtual\_network.res-36,

  ]

}

resource "azurerm\_subnet" "res-41" {

  address\_prefixes                              = ["10.0.1.96/29"]

  default\_outbound\_access\_enabled               = true

  name                                          = "PE-ASA-DL"

  private\_endpoint\_network\_policies             = "Disabled"

  private\_link\_service\_network\_policies\_enabled = true

  resource\_group\_name                           = azurerm\_resource\_group.res-0.name

  service\_endpoint\_policy\_ids                   = []

  service\_endpoints                             = []

  virtual\_network\_name                          = "VLK-VNet"

  depends\_on = [

    azurerm\_virtual\_network.res-36,

  ]

}

resource "azurerm\_subnet\_network\_security\_group\_association" "res-42" {

  network\_security\_group\_id = azurerm\_network\_security\_group.res-12.id

  subnet\_id                 = azurerm\_subnet.res-41.id

}

resource "azurerm\_subnet" "res-43" {

  address\_prefixes                              = ["10.0.1.64/28"]

  default\_outbound\_access\_enabled               = true

  name                                          = "Private-ADB"

  private\_endpoint\_network\_policies             = "Disabled"

  private\_link\_service\_network\_policies\_enabled = true

  resource\_group\_name                           = azurerm\_resource\_group.res-0.name

  service\_endpoint\_policy\_ids                   = []

  service\_endpoints                             = []

  virtual\_network\_name                          = "VLK-VNet"

  delegation {

    name = "databricks-del-wkehkby3rdx3g"

    service\_delegation {

      actions = ["Microsoft.Network/virtualNetworks/subnets/join/action", "Microsoft.Network/virtualNetworks/subnets/prepareNetworkPolicies/action", "Microsoft.Network/virtualNetworks/subnets/unprepareNetworkPolicies/action"]

      name    = "Microsoft.Databricks/workspaces"

    }

  }

  depends\_on = [

    azurerm\_virtual\_network.res-36,

  ]

}

resource "azurerm\_subnet\_network\_security\_group\_association" "res-44" {

  network\_security\_group\_id = azurerm\_network\_security\_group.res-15.id

  subnet\_id                 = azurerm\_subnet.res-43.id

}

resource "azurerm\_subnet" "res-45" {

  address\_prefixes                              = ["10.0.1.80/28"]

  default\_outbound\_access\_enabled               = true

  name                                          = "Public-ADB"

  private\_endpoint\_network\_policies             = "Disabled"

  private\_link\_service\_network\_policies\_enabled = true

  resource\_group\_name                           = azurerm\_resource\_group.res-0.name

  service\_endpoint\_policy\_ids                   = []

  service\_endpoints                             = []

  virtual\_network\_name                          = "VLK-VNet"

  delegation {

    name = "databricks-del-wkehkby3rdx3g"

    service\_delegation {

      actions = ["Microsoft.Network/virtualNetworks/subnets/join/action", "Microsoft.Network/virtualNetworks/subnets/prepareNetworkPolicies/action", "Microsoft.Network/virtualNetworks/subnets/unprepareNetworkPolicies/action"]

      name    = "Microsoft.Databricks/workspaces"

    }

  }

  depends\_on = [

    azurerm\_virtual\_network.res-36,

  ]

}

resource "azurerm\_subnet\_network\_security\_group\_association" "res-46" {

  network\_security\_group\_id = azurerm\_network\_security\_group.res-15.id

  subnet\_id                 = azurerm\_subnet.res-45.id

}

resource "azurerm\_storage\_account" "res-47" {

  access\_tier                       = "Hot"

  account\_kind                      = "StorageV2"

  account\_replication\_type          = "LRS"

  account\_tier                      = "Standard"

  allow\_nested\_items\_to\_be\_public   = false

  allowed\_copy\_scope                = ""

  cross\_tenant\_replication\_enabled  = false

  default\_to\_oauth\_authentication   = false

  dns\_endpoint\_type                 = "Standard"

  edge\_zone                         = ""

  https\_traffic\_only\_enabled        = true

  infrastructure\_encryption\_enabled = false

  is\_hns\_enabled                    = true

  large\_file\_share\_enabled          = true

  local\_user\_enabled                = true

  location                          = "westeurope"

  min\_tls\_version                   = "TLS1\_2"

  name                              = "vlkasa"

  nfsv3\_enabled                     = false

  primary\_access\_key                = "" # Masked sensitive attribute

  primary\_blob\_connection\_string    = "" # Masked sensitive attribute

  primary\_connection\_string         = "" # Masked sensitive attribute

  public\_network\_access\_enabled     = false

  queue\_encryption\_key\_type         = "Service"

  resource\_group\_name               = azurerm\_resource\_group.res-0.name

  secondary\_access\_key              = "" # Masked sensitive attribute

  secondary\_blob\_connection\_string  = "" # Masked sensitive attribute

  secondary\_connection\_string       = "" # Masked sensitive attribute

  sftp\_enabled                      = false

  shared\_access\_key\_enabled         = true

  table\_encryption\_key\_type         = "Service"

  tags = {

    "Support Contact" = "Vijay Ganji"

  }

  blob\_properties {

    change\_feed\_enabled           = false

    change\_feed\_retention\_in\_days = 0

    default\_service\_version       = ""

    last\_access\_time\_enabled      = false

    versioning\_enabled            = false

    container\_delete\_retention\_policy {

      days = 7

    }

    delete\_retention\_policy {

      days                     = 7

      permanent\_delete\_enabled = false

    }

  }

  network\_rules {

    bypass                     = ["AzureServices"]

    default\_action             = "Deny"

    ip\_rules                   = []

    virtual\_network\_subnet\_ids = []

  }

  share\_properties {

    retention\_policy {

      days = 7

    }

  }

}

resource "azurerm\_private\_dns\_a\_record" "res-53" {

  name                = "adb-1993096997059620.0"

  records             = ["10.0.1.52"]

  resource\_group\_name = "rg-vlk"

  tags = {

    creator = "created by private endpoint PE-ADB with resource guid c309d14f-e0e5-49fa-a1c2-01226a9d7296"

  }

  ttl       = 10

  zone\_name = "privatelink.azuredatabricks.net"

  depends\_on = [

    azurerm\_private\_dns\_zone.res-22,

  ]

}

resource "azurerm\_private\_dns\_a\_record" "res-55" {

  name                = "vlkasa"

  records             = ["10.0.1.100"]

  resource\_group\_name = "rg-vlk"

  tags                = {}

  ttl                 = 3600

  zone\_name           = "privatelink.blob.core.windows.net"

  depends\_on = [

    azurerm\_private\_dns\_zone.res-24,

  ]

}

resource "azurerm\_private\_dns\_a\_record" "res-57" {

  name                = "vlk-adf.westeurope"

  records             = ["10.0.1.108"]

  resource\_group\_name = "rg-vlk"

  tags = {

    creator = "created by private endpoint PE-VLK-ADF with resource guid 8e88d668-470a-4727-bd07-eeb5559ec761"

  }

  ttl       = 10

  zone\_name = "privatelink.datafactory.azure.net"

  depends\_on = [

    azurerm\_private\_dns\_zone.res-26,

  ]

}

resource "azurerm\_private\_dns\_a\_record" "res-59" {

  name                = "vlk-akv"

  records             = ["10.0.1.36"]

  resource\_group\_name = "rg-vlk"

  tags                = {}

  ttl                 = 3600

  zone\_name           = "privatelink.vaultcore.azure.net"

  depends\_on = [

    azurerm\_private\_dns\_zone.res-28,

  ]

}