

Subnet Block

```

data "azurerm_subnet" "subnet" {
  for_each      = var.vms3
  name          = each.value.subnet_name
  virtual_network_name = each.value.vnet_name
  resource_group_name = each.value.rg_name
}

vms3 = {
  vm1_subnet1 = {
    subnet_name = "frontend-subnet"
    vnet_name   = "vnet-pilu-dev-todoapp-01"
    rg_name     = "rg-pilu-dev-todoapp-01"
  }
}

```

```

data "azurerm_subnet" "subnet[vm1_subnet1]" {
  name          = "frontend-subnet"
  virtual_network_name = "vnet-pilu-dev-todoapp-01"
  resource_group_name = "rg-pilu-dev-todoapp-01"
}

```

PIP Block

```

data "azurerm_public_ip" "pip" {
  for_each      = var.vms1
  name          = each.value.pip_name
  resource_group_name = each.value.rg_name
}

vms1 = {
  vm1_pip1 = {
    pip_name = "pip-pilu-dev-todoapp-01"
    rg_name  = "rg-pilu-dev-todoapp-01"
  }
}

```

```

data "azurerm_public_ip" "pip[vms1_pip1]" {
  name          = "pip-pilu-dev-todoapp-01"
  resource_group_name = "rg-pilu-dev-todoapp-01"
}

```

PIP Block

```

resource "azurerm_network_interface" "nic" {
  for_each      = var.vms2
  name          = each.value.nic_name
  location      = each.value.location
  resource_group_name = each.value.rg_name

  ip_configuration {
    name           = "internal"
    subnet_id     = data.azurerm_subnet.subnet[each.value.nic_identifier].id
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id       = data.azurerm_public_ip.pip[each.value.pip_identifier].id
  }
}

vms2 = {
  vm1_nic = {
    nic_name = "nic-pilu-dev-todoapp-01"
    location = "centralindia"
    rg_name   = "rg-pilu-dev-todoapp-01"
    nic_identifier = vm1_subnet1
    pip_idenfier = vm1_pip1
  }
}

```

```

resource "azurerm_network_interface" "nic[vml_nic]" {
  name           = "nic-pilu-dev-todoapp-01"
  location      = "centralindia"
  resource_group_name = "rg-pilu-dev-todoapp-01"

  ip_configuration {
    name           = "internal"
    subnet_id     = data.azurerm_subnet.subnet[vm1_subnet1].id
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id       = data.azurerm_public_ip.pip[vms1_pip1].id
  }
}

```

data.azurerm_subnet.subnet[vm1_subnet1].id

data.azurerm_public_ip.pip[vms1_pip1].id

```

data "azurerm_subnet" "subnet" {
  for_each      = var.vms
  name          = each.value.subnet_name
  virtual_network_name = each.value.vnet_name
  resource_group_name = each.value.rg_name
}

```

```

data "azurerm_subnet" "subnet[vm1]" {
  name          = "frontend-subnet"
  virtual_network_name = "vnet-pilu-dev-todoapp-01"
  resource_group_name = "rg-pilu-dev-todoapp-01"
}

```

```

vms = {
  vm1 = {
    nic_name      = "nic-frontend-vm-01"
    location      = "centralindia"
    rg_name        = "rg-pilu-dev-todoapp-01"
    vnet_name     = "vnet-pilu-dev-todoapp-01"
    subnet_name   = "frontend-subnet"
    pip_name       = "pip-pilu-dev-todoapp-01"
    vm_name        = "pilu-vm"
    size           = ""
    admin_username = ""
    admin_password = ""
    source_image_reference = {
      publisher = "Canonical"
      offer     = "0001-com-ubuntu-server-jammy"
      sku       = "22_04-lts"
      version   = "latest"
    }
  }
}

```

```

resource "azurerm_network_interface" "nic" {
  for_each      = var.vms
  name          = each.value.nic_name
  location      = each.value.location
  resource_group_name = each.value.rg_name

  ip_configuration {
    name           = "internal"
    subnet_id     = data.azurerm_subnet.subnet[].id
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id       = data.azurerm_public_ip.pip[].id
  }
}

resource "azurerm_network_interface" "nic[vml]" {
  name           = "nic-frontend-vm-01"
  location      = "centralindia"
  resource_group_name = "rg-pilu-dev-todoapp-01"
  ip_configuration {
    name           = "internal"
    subnet_id     = data.azurerm_subnet.subnet[vm1].id
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id       = data.azurerm_public_ip.pip[vm1].id
  }
}

```

```

vms = {
  vm1 = {
    nic_name      = "nic-frontend-vm-01"
    location      = "centralindia"
    rg_name        = "rg-pilu-dev-todoapp-01"
    vnet_name     = "vnet-pilu-dev-todoapp-01"
    subnet_name   = "frontend-subnet"
    pip_name       = "pip-pilu-dev-todoapp-01"
    vm_name        = "pilu-vm"
    size           = ""
    admin_username = ""
    admin_password = ""
    source_image_reference = {
      publisher = "Canonical"
      offer     = "0001-com-ubuntu-server-jammy"
      sku       = "22_04-lts"
      version   = "latest"
    }
  }
}

```

```

data "azurerm_subnet" "subnet" {
  for_each      = var.vms
  name          = each.value.subnet_name
  virtual_network_name = each.value.vnet_name
  resource_group_name = each.value.rg_name
}

```

```

data "azurerm_subnet" "subnet[vm1]" {
  name          = "frontend-subnet"
  virtual_network_name = "vnet-pilu-dev-todoapp-01"
  resource_group_name = "rg-pilu-dev-todoapp-01"
}

data "azurerm_subnet" "subnet[vm2]" {
  name          = "backend-subnet"
  virtual_network_name = "vnet-pilu-dev-todoapp-01"
  resource_group_name = "rg-pilu-dev-todoapp-01"
}

```

```

vms = {
  vm1 = {
    nic_name      = "nic-frontend-vm-01"
    location      = "centralindia"
    rg_name        = "rg-pilu-dev-todoapp-01"
    vnet_name     = "vnet-pilu-dev-todoapp-01"
    subnet_name   = "frontend-subnet"
    pip_name       = "pip-pilu-dev-todoapp-01"
    vm_name        = "pilu-vm"
    size           = ""
    admin_username = ""
    admin_password = ""
    source_image_reference = {
      publisher = "Canonical"
      offer     = "0001-com-ubuntu-server-jammy"
      sku       = "22_04-lts"
      version   = "latest"
    }
  }
  vm2 = {
    nic_name      = "nic-frontend-vm-01"
    location      = "centralindia"
    rg_name        = "rg-pilu-dev-todoapp-01"
    vnet_name     = "vnet-pilu-dev-todoapp-01"
    subnet_name   = "backend-subnet"
    pip_name       = "pip-pilu-dev-todoapp-01"
    vm_name        = "pilu-vm"
    size           = ""
    admin_username = ""
    admin_password = ""
    source_image_reference = {
      publisher = "Canonical"
      offer     = "0001-com-ubuntu-server-jammy"
      sku       = "22_04-lts"
      version   = "latest"
    }
  }
}

```