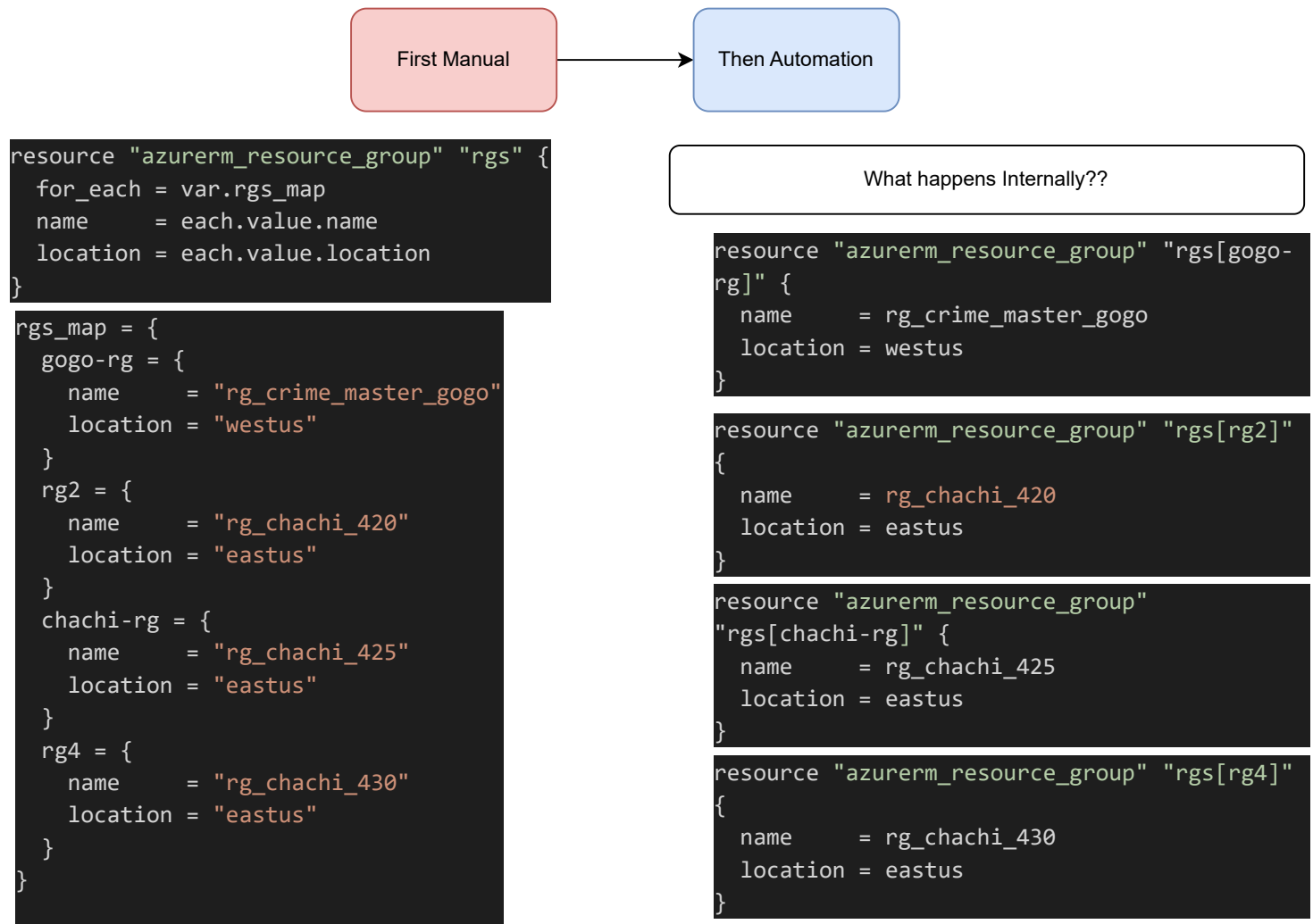
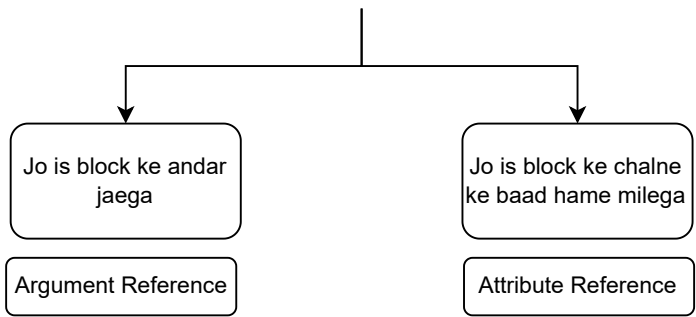


```
data "azurerm_subnet" "gogo_subnet" {
  name                = "frontend-subnet"
  virtual_network_name = "devops-vnet2"
  resource_group_name = "rg_crime_master_gogo"
}
```



```
resource "azurerm_public_ip" "public_ip" {
  for_each = var.linear_vms
  name     = each.value.pip_name
  resource_group_name = rg_crime_master_gogo
  location  = each.value.location
  allocation_method = "Static"
}
```

```
linux_vms = {
  vm1 = {
    pip_name     = "gogoi-ip"
    nic_name     = "gogoi-nic"
    vm_name      = "gogoi-vm"
    resource_group_name = "rg_crime_master_gogo"
    location     = "westus"
    vm_size      = "Standard_F2"
    vm_username  = "adminuser"
    vm_password  = "6ZyT40,V0+c<"
  }
  vm2 = {
    pip_name     = "chachi420-ip"
    nic_name     = "chachi420-nic"
    vm_name      = "chachi420-vm"
    resource_group_name = "rg_crime_master_gogo"
    location     = "westus"
    vm_size      = "Standard_F2"
    vm_username  = "adminuser"
    vm_password  = "6ZyT40,V0+c<"
  }
  vm3 = {
    pip_name     = "dhondhu-ip"
    nic_name     = "dhondhu-nic"
    vm_name      = "dhondhu-vm"
    resource_group_name = "rg_crime_master_gogo"
    location     = "westus"
    vm_size      = "Standard_F2"
    vm_username  = "adminuser"
    vm_password  = "6ZyT40,V0+c<"
  }
}
```

```
resource "azurerm_public_ip" "public_ip[vm1]" {
  name     = gogoi-ip
  resource_group_name = rg_crime_master_gogo
  location  = westus
  allocation_method = "Static"
}
```

```
resource "azurerm_public_ip" "public_ip[vm2]" {
  name     = chachi420-ip
  resource_group_name = rg_crime_master_gogo
  location  = westus
  allocation_method = "Static"
}
```

```
resource "azurerm_public_ip" "public_ip[vm3]" {
  name     = dhondhu-ip
  resource_group_name = rg_crime_master_gogo
  location  = westus
  allocation_method = "Static"
}
```

azurerm\_public\_ip.public\_ip[vm3].id

```
resource "azurerm_network_interface" "network_interface" {
  for_each = var.linear_vms
  name     = each.value.nic_name
  location = each.value.location
  resource_group_name = each.value.resource_group_name
  ip_configuration {
    name               = "internal"
    subnet_id          =
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id = azurerm_public_ip.public_ip[each.key].id
  }
}
```

```
linux_vms = {
  vm1 = {
    pip_name     = "gogoi-ip"
    nic_name     = "gogoi-nic"
    vm_name      = "gogoi-vm"
    resource_group_name = "rg_crime_master_gogo"
    location     = "westus"
    vm_size      = "Standard_F2"
    vm_username  = "adminuser"
    vm_password  = "6ZyT40,V0+c<"
  }
  vm2 = {
    pip_name     = "chachi420-ip"
    nic_name     = "chachi420-nic"
    vm_name      = "chachi420-vm"
    resource_group_name = "rg_crime_master_gogo"
    location     = "westus"
    vm_size      = "Standard_F2"
    vm_username  = "adminuser"
    vm_password  = "6ZyT40,V0+c<"
  }
  vm3 = {
    pip_name     = "dhondhu-ip"
    nic_name     = "dhondhu-nic"
    vm_name      = "dhondhu-vm"
    resource_group_name = "rg_crime_master_gogo"
    location     = "westus"
    vm_size      = "Standard_F2"
    vm_username  = "adminuser"
    vm_password  = "6ZyT40,V0+c<"
  }
}
```

```
data "azurerm_subnet" "gogo_subnet" {
  for_each = var.linear_vms
  name     = each.value.subnet_name
  virtual_network_name = each.value.virtual_network_name
  resource_group_name = each.value.resource_group_name
}
```

```
resource "azurerm_network_interface" "network_interface[vm1]" {
  name     = gogoi-nic
  location = westus
  resource_group_name = rg_crime_master_gogo
  ip_configuration {
    name               = "internal"
    subnet_id          =
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id = azurerm_public_ip.public_ip[vm1].id
  }
}
```

```
resource "azurerm_network_interface" "network_interface[vm2]" {
  name     = chachi420-nic
  location = westus
  resource_group_name = rg_crime_master_gogo
  ip_configuration {
    name               = "internal"
    subnet_id          =
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id = azurerm_public_ip.public_ip[vm2].id
  }
}
```

```
resource "azurerm_network_interface" "network_interface[vm3]" {
  name     = dhondhu-nic
  location = westus
  resource_group_name = rg_crime_master_gogo
  ip_configuration {
    name               = "internal"
    subnet_id          =
    private_ip_address_allocation = "Dynamic"
    public_ip_address_id = azurerm_public_ip.public_ip[vm3].id
  }
}
```

```
data "azurerm_subnet" "gogo_subnet[vm1]" {
  name                = frontend-subnet
  virtual_network_name = devops-vnet2
  resource_group_name = rg_crime_master_gogo
}
```

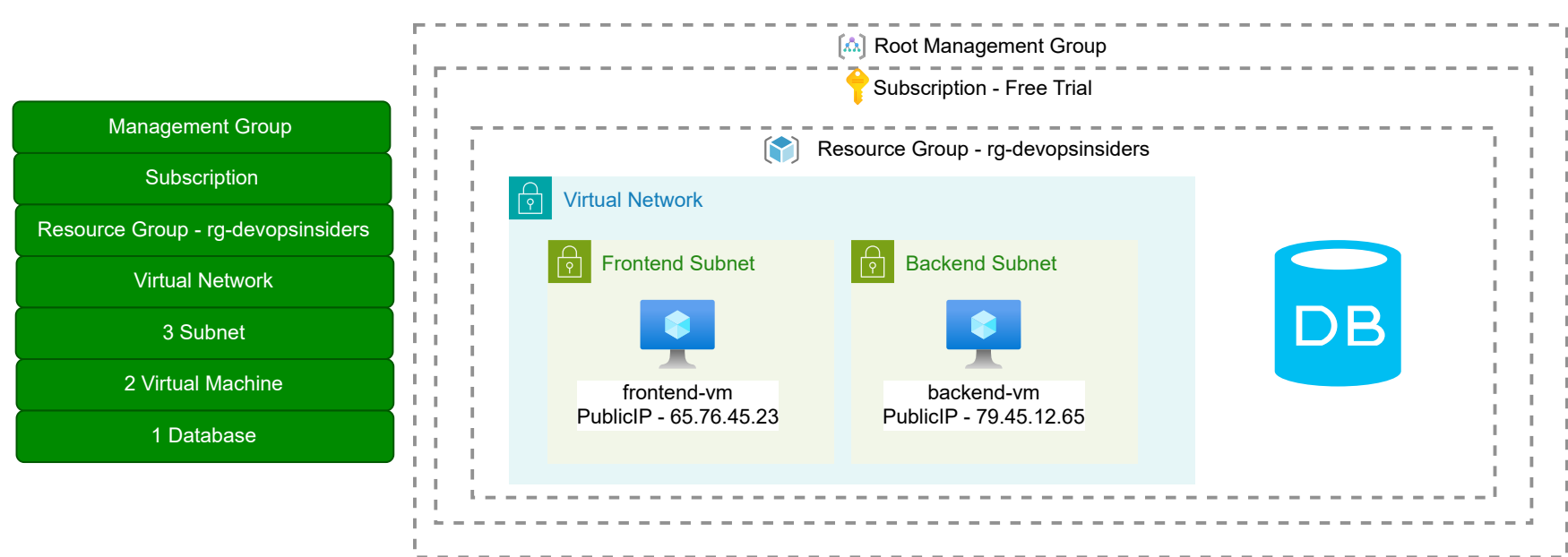
```
data "azurerm_subnet" "gogo_subnet[vm2]" {
  name                = backend-subnet
  virtual_network_name = devops-vnet2
  resource_group_name = rg_crime_master_gogo
}
```

```
data "azurerm_subnet" "gogo_subnet[vm3]" {
  name                = database-subnet
  virtual_network_name = devops-vnet2
  resource_group_name = rg_crime_master_gogo
}
```

```
resource "azurerm_public_ip" "public_ip[vm1]" {
  name     = gogoi-ip
  resource_group_name = rg_crime_master_gogo
  location  = westus
  allocation_method = "Static"
}
```

```
resource "azurerm_public_ip" "public_ip[vm2]" {
  name     = chachi420-ip
  resource_group_name = rg_crime_master_gogo
  location  = westus
  allocation_method = "Static"
}
```

```
resource "azurerm_public_ip" "public_ip[vm3]" {
  name     = dhondhu-ip
  resource_group_name = rg_crime_master_gogo
  location  = westus
  allocation_method = "Static"
}
```



Problems in this Architecture

Public IP on VM's

Hardcoded Passwords in Code

