

Terraform lab 2

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DEVOPS

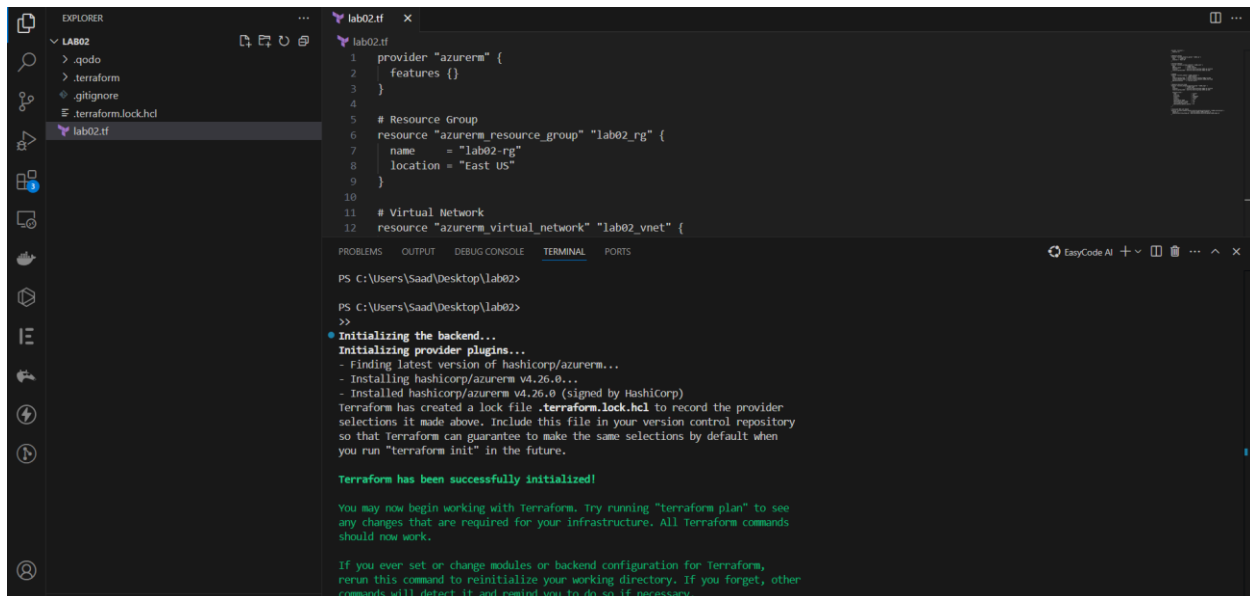
SZABIST KARACHI

## PART 2

```
lab02.tf x
C:\Users\Saad\Desktop> lab02 > lab02.tf
1 terraform {
2   required_providers {
3     azurerm = {
4       source = "hashicorp/azurerm"
5       version = ">= 3.0.0"
6     }
7   }
8
9   required_version = ">= 1.0.0"
10 }
11
12 provider "azurerm" {
13   features {}
14   subscription_id = "bfbe3041-7fa8-4038-8890-37ee17f2c645"
15 }
16
17 resource "azurerm_resource_group" "lab02_rg" {
18   name     = "lab02-rg"
19   location = "East US"
20 }
21
22 resource "azurerm_virtual_network" "lab02_vnet" {
23   name                = "lab02-vnet"
24   address_space       = ["10.0.0.0/16"]
25   location             = azurerm_resource_group.lab02_rg.location
26   resource_group_name = azurerm_resource_group.lab02_rg.name
27 }
28
29 resource "azurerm_subnet" "lab02_subnet1" {
30   name                = "lab02-subnet1"
31   resource_group_name = azurerm_resource_group.lab02_rg.name
32   virtual_network_name = azurerm_virtual_network.lab02_vnet.name
33   address_prefixes    = ["10.0.1.0/24"]
34 }
35
36 resource "azurerm_network_security_group" "lab02_nsg1" {
37   name                = "lab02-nsg1"
38   location             = azurerm_resource_group.lab02_rg.location
39   resource_group_name = azurerm_resource_group.lab02_rg.name
40
41   security_rule {
42     name           = "rule1"
43     priority       = 100
44     direction     = "Inbound"
45     access        = "Allow"
46     protocol      = "Tcp"
47     source_port_range = "*"
48     destination_port_range = "22"
49     source_address_prefix = "*"
50     destination_address_prefix = "*"
51   }
52 }
53
54 resource "azurerm_subnet_network_security_group_association" "lab02_assoc" {
55   subnet_id                 = azurerm_subnet.lab02_subnet1.id
56   network_security_group_id = azurerm_network_security_group.lab02_nsg1.id
57 }
58
```

```
lab02.tf x
C:\Users\Saad\Desktop> lab02 > lab02.tf
15 }
16
17 resource "azurerm_resource_group" "lab02_rg" {
18   name     = "lab02-rg"
19   location = "East US"
20 }
21
22 resource "azurerm_virtual_network" "lab02_vnet" {
23   name                = "lab02-vnet"
24   address_space       = ["10.0.0.0/16"]
25   location             = azurerm_resource_group.lab02_rg.location
26   resource_group_name = azurerm_resource_group.lab02_rg.name
27 }
28
29 resource "azurerm_subnet" "lab02_subnet1" {
30   name                = "lab02-subnet1"
31   resource_group_name = azurerm_resource_group.lab02_rg.name
32   virtual_network_name = azurerm_virtual_network.lab02_vnet.name
33   address_prefixes    = ["10.0.1.0/24"]
34 }
35
36 resource "azurerm_network_security_group" "lab02_nsg1" {
37   name                = "lab02-nsg1"
38   location             = azurerm_resource_group.lab02_rg.location
39   resource_group_name = azurerm_resource_group.lab02_rg.name
40
41   security_rule {
42     name           = "rule1"
43     priority       = 100
44     direction     = "Inbound"
45     access        = "Allow"
46     protocol      = "Tcp"
47     source_port_range = "*"
48     destination_port_range = "22"
49     source_address_prefix = "*"
50     destination_address_prefix = "*"
51   }
52 }
53
54 resource "azurerm_subnet_network_security_group_association" "lab02_assoc" {
55   subnet_id                 = azurerm_subnet.lab02_subnet1.id
56   network_security_group_id = azurerm_network_security_group.lab02_nsg1.id
57 }
58
```

## PART 3



```
1 provider "azurerm" {
2   features {}
3 }
4
5 # Resource Group
6 resource "azurerm_resource_group" "lab02_rg" {
7   name     = "lab02-rg"
8   location = "East US"
9 }
10
11 # Virtual Network
12 resource "azurerm_virtual_network" "lab02_vnet" {
```

PS C:\Users\Saad\Desktop\lab02>

PS C:\Users\Saad\Desktop\lab02>

>>

- Initializing the backend...
- Initializing provider plugins...
- Finding latest version of hashicorp/azurerm...
- Installing hashicorp/azurerm v4.26.0...
- Installed hashicorp/azurerm v4.26.0 (signed by HashiCorp)

Terraform has created a lock file `.terraform.lock.hcl` to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.

**Terraform has been successfully initialized!**

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.

```
C:\Users\Saad\Desktop\lab02>terraform apply
```

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_network_security_group.lab02_nsg1 will be created
+ resource "azurerm_network_security_group" "lab02_nsg1" {
+   id                 = (known after apply)
+   location            = "eastus"
+   name               = "lab02-nsg1"
+   resource_group_name = "lab02-rg"
+   security_rule       = [
+     {
+       access                        = "Allow"
+       destination_address_prefix    = "*"
+       destination_address_prefixes = []
+       destination_application_security_group_ids = []
+       destination_port_range        = "22"
+       destination_port_ranges       = []
+       direction                    = "Inbound"
+       name                         = "rule1"
+       priority                     = 100
+       protocol                     = "Tcp"
+       source_address_prefix         = "*"
+       source_address_prefixes       = []
+       source_application_security_group_ids = []
+       source_port_range             = "*"
+       source_port_ranges            = []
+     },
+     # (1 unchanged attribute hidden)
+   ],
+ }

# azurerm_resource_group.lab02_rg will be created
+ resource "azurerm_resource_group" "lab02_rg" {
+   id       = (known after apply)
+   location = "eastus"
+   name     = "lab02-rg"
+ }

# azurerm_subnet.lab02_subnet1 will be created
+ resource "azurerm_subnet" "lab02_subnet1" {
+   address_prefixes = [
+     "10.0.1.0/24",
+   ]
+   default_outbound_access_enabled = true
+   id                             = (known after apply)
+   name                           = "lab02-subnet1"
```





## PART 4

```
C:\Users\Saad\Desktop\lab02>terraform validate
Success! The configuration is valid.

C:\Users\Saad\Desktop\lab02>|
```

## PART 5

```
C:\Users\Saad\Desktop\lab02>terraform plan
azurerm_resource_group.lab02_rg: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg]
azurerm_virtual_network.lab02_vnet: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet]
azurerm_network_security_group.lab02_nsg1: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1]
azurerm_subnet.lab02_subnet1: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
azurerm_subnet_network_security_group_association.lab02_assoc: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]

No changes. Your infrastructure matches the configuration.

Terraform has compared your real infrastructure against your configuration and found no differences, so no changes are needed.

C:\Users\Saad\Desktop\lab02>|
```

## PART 6

```
C:\Users\Saad\Desktop\lab02>terraform apply
azurerm_resource_group.lab02_rg: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg]
azurerm_virtual_network.lab02_vnet: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet]
azurerm_network_security_group.lab02_nsg1: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1]
azurerm_subnet.lab02_subnet1: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
azurerm_subnet_network_security_group_association.lab02_assoc: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]

No changes. Your infrastructure matches the configuration.

Terraform has compared your real infrastructure against your configuration and found no differences, so no changes are needed.

Apply complete! Resources: 0 added, 0 changed, 0 destroyed.

C:\Users\Saad\Desktop\lab02>|
```

## PART 7

```
C:\Users\Saad\Desktop\lab02>terraform state list
azurerm_network_security_group.lab02_nsg1
azurerm_resource_group.lab02_rg
azurerm_subnet.lab02_subnet1
azurerm_subnet_network_security_group_association.lab02_assoc
azurerm_virtual_network.lab02_vnet
```

```

C:\Users\Saad\Desktop\lab02>terraform show
# azure_rm_network_security_group.lab02_nsg1:
resource "azure_rm_network_security_group" "lab02_nsg1" {
  id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1"
  location = "eastus"
  name = "lab02-nsg1"
  resource_group_name = "lab02-rg"
  security_rule = [
    {
      access = "Allow"
      description = null
      destination_address_prefix = "*"
      destination_address_prefixes = []
      destination_application_security_group_ids = []
      destination_port_range = "22"
      destination_port_ranges = []
      direction = "Inbound"
      name = "rule1"
      priority = 100
      protocol = "Tcp"
      source_address_prefix = "*"
      source_address_prefixes = []
      source_application_security_group_ids = []
      source_port_range = "*"
      source_port_ranges = []
    }
  ],
  tags = {}
}

# azure_rm_resource_group.lab02_rg:
resource "azure_rm_resource_group" "lab02_rg" {
  id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg"
  location = "eastus"
  managed_by = null
  name = "lab02-rg"
  tags = {}
}

# azure_rm_subnet.lab02_subnet1:
resource "azure_rm_subnet" "lab02_subnet1" {
  address_prefixes = [
    "10.0.1.0/24",
  ]
  default_outbound_access_enabled = true
  id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
  name = "lab02-subnet1"
  private_endpoint_network_policies = "Disabled"
  private_link_service_network_policies_enabled = true
  resource_group_name = "lab02-rg"
}

resource_group_name = "lab02-rg"
service_endpoint_policy_ids = []
service_endpoints = []
virtual_network_name = "lab02-vnet"
}

# azure_rm_subnet_network_security_group_association.lab02_assoc:
resource "azure_rm_subnet_network_security_group_association" "lab02_assoc" {
  id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
  network_security_group_id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1"
  subnet_id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
}

# azure_rm_virtual_network.lab02_vnet:
resource "azure_rm_virtual_network" "lab02_vnet" {
  address_space = [
    "10.0.0.0/16",
  ]
  bgp_community = null
  dns_servers = []
  edge_zone = null
  flow_timeout_in_minutes = 0
  guid = "206a5517-a602-4dab-891e-f64740cfc237"
  id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet"
  location = "eastus"
  name = "lab02-vnet"
  private_endpoint_vnet_policies = "Disabled"
  resource_group_name = "lab02-rg"
  subnet = [
    {
      address_prefixes = [
        "10.0.1.0/24",
      ]
      default_outbound_access_enabled = true
      delegation = []
      id = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
      name = "lab02-subnet1"
      private_endpoint_network_policies = "Disabled"
      private_link_service_network_policies_enabled = true
      route_table_id = null
      security_group = "/subscriptions/bf8e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1"
      service_endpoint_policy_ids = []
      service_endpoints = []
    }
  ],
  tags = {}
}
C:\Users\Saad\Desktop\lab02>

```

## PART 8

The screenshot shows the Microsoft Azure portal interface. The top header is blue with the Microsoft Azure logo, a search bar, and user information. The left sidebar contains navigation links for Home, Resource groups, and a list of resource groups. The main content area displays the 'lab02-rg' resource group overview. It includes a search bar, a list of resources, and a table of resources.

**Resource groups**  
Default Directory (bscs2112118szabist.onmicrosof...)

**lab02-rg**  
Resource group

**Overview**

- Activity log
- Access control (IAM)
- Tags
- Resource visualizer
- Events
- Settings
- Cost Management
- Monitoring
- Automation
- Help

**Resources**

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 2 of 2 records. Show hidden types No grouping List view

Name	Type	Location	
lab02-nsg1	Network security group	East US	...
lab02-vnet	Virtual network	East US	...

Showing 1 - 2 of 2. Display count: 10

< Previous Page 1 of 1 Next >

Give feedback

## PART 9



lab02.tf

C: > Users > Saad > Desktop > lab02 > lab02.tf

```
1 terraform {
2   required_providers {
3     azurerm = {
4       source = "hashicorp/azurerm"
5       version = ">= 3.0.0"
6     }
7   }
8
9   required_version = ">= 1.0.0"
10 }
11
12 provider "azurerm" {
13   features {}
14   subscription_id = "bfbe3041-7fa8-4038-8890-37ee17f2c645"
15 }
16
17 resource "azurerm_resource_group" "lab02_rg" {
18   name     = "lab02-rg"
19   location = "East US"
20 }
21
22 resource "azurerm_virtual_network" "lab02_vnet" {
23   name                = "lab02-vnet"
24   address_space       = ["10.0.0.0/16"]
25   location             = azurerm_resource_group.lab02_rg.location
26   resource_group_name = azurerm_resource_group.lab02_rg.name
27 }
28
29 # Subnet 1
30 resource "azurerm_subnet" "lab02_subnet1" {
31   name                = "lab02-subnet1"
32   resource_group_name = azurerm_resource_group.lab02_rg.name
33   virtual_network_name = azurerm_virtual_network.lab02_vnet.name
34   address_prefixes    = ["10.0.1.0/24"]
35 }
36
37 # Subnet 2 (NEW)
38 resource "azurerm_subnet" "lab02_subnet2" {
39   name                = "lab02-subnet2"
40   resource_group_name = azurerm_resource_group.lab02_rg.name
41   virtual_network_name = azurerm_virtual_network.lab02_vnet.name
42   address_prefixes    = ["10.0.2.0/24"]
43 }
44
45 # NSG 1
46 resource "azurerm_network_security_group" "lab02_nsg1" {
```

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lab02.tf X

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```
45 # NSG 1
46 resource "azurerm_network_security_group" "lab02_nsg1" {
47     name                = "lab02-nsg1"
48     location            = azurerm_resource_group.lab02_rg.location
49     resource_group_name = azurerm_resource_group.lab02_rg.name
50
51     security_rule {
52         name                = "rule1"
53         priority            = 100
54         direction          = "Inbound"
55         access              = "Allow"
56         protocol            = "Tcp"
57         source_port_range   = "*"
58         destination_port_range = "22"
59         source_address_prefix = "*"
60         destination_address_prefix = "*"
61     }
62 }
63
64 # NSG 2 (NEW)
65 resource "azurerm_network_security_group" "lab02_nsg2" {
66     name                = "lab02-nsg2"
67     location            = azurerm_resource_group.lab02_rg.location
68     resource_group_name = azurerm_resource_group.lab02_rg.name
69
70     security_rule {
71         name                = "rule1"
72         priority            = 100
73         direction          = "Inbound"
74         access              = "Allow"
75         protocol            = "Tcp"
76         source_port_range   = "*"
77         destination_port_range = "3389"
78         source_address_prefix = "*"
79         destination_address_prefix = "*"
80     }
81
82     security_rule {
83         name                = "rule2"
84         priority            = 200
85         direction          = "Inbound"
86         access              = "Allow"
87         protocol            = "Tcp"
88         source_port_range   = "*"
89         destination_port_range = "5985"
90         source_address_prefix = "*"
91     }
92 }
```

```
lab02.tf x
C: > Users > Saad > Desktop > lab02 > lab02.tf
62 }
63
64 # NSG 2 (NEW)
65 resource "azurerm_network_security_group" "lab02_nsg2" {
66   name                = "lab02-nsg2"
67   location             = azurerm_resource_group.lab02_rg.location
68   resource_group_name = azurerm_resource_group.lab02_rg.name
69
70   security_rule {
71     name                = "rule1"
72     priority            = 100
73     direction          = "Inbound"
74     access              = "Allow"
75     protocol            = "Tcp"
76     source_port_range   = "*"
77     destination_port_range = "3389"
78     source_address_prefix = "*"
79     destination_address_prefix = "*"
80   }
81
82   security_rule {
83     name                = "rule2"
84     priority            = 200
85     direction          = "Inbound"
86     access              = "Allow"
87     protocol            = "Tcp"
88     source_port_range   = "*"
89     destination_port_range = "5985"
90     source_address_prefix = "*"
91     destination_address_prefix = "*"
92   }
93 }
94
95 # Association for Subnet 1
96 resource "azurerm_subnet_network_security_group_association" "lab02_assoc1" {
97   subnet_id                = azurerm_subnet.lab02_subnet1.id
98   network_security_group_id = azurerm_network_security_group.lab02_nsg1.id
99 }
100
101 # Association for Subnet 2 (NEW)
102 resource "azurerm_subnet_network_security_group_association" "lab02_assoc2" {
103   subnet_id                = azurerm_subnet.lab02_subnet2.id
104   network_security_group_id = azurerm_network_security_group.lab02_nsg2.id
105 }
106 |
```

## PART 10

```
C:\Users\Saad\Desktop\lab02>terraform validate
Success! The configuration is valid.

C:\Users\Saad\Desktop\lab02>|
```

## PART 11

```
C:\Users\Saad\Desktop\lab02>terraform plan
azurerm_resource_group.lab02_rg: Refreshing state... [id=/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg]
azurerm_subnet_network_security_group_association.lab02_assoc: Refreshing state... [id=/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
azurerm_network_security_group.lab02_nsg1: Refreshing state... [id=/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1]
azurerm_virtual_network.lab02_vnet: Refreshing state... [id=/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet]
azurerm_subnet.lab02_subnet1: Refreshing state... [id=/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
```

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

+ create  
- destroy

Terraform will perform the following actions:

```
# azurerm_network_security_group.lab02_nsg2 will be created
+ resource "azurerm_network_security_group" "lab02_nsg2" {
  + id                = (known after apply)
  + location          = "eastus"
  + name              = "lab02-nsg2"
  + resource_group_name = "lab02-rg"
  + security_rule     = [
    + {
      + access                = "Allow"
      + destination_address_prefix = "*"
      + destination_address_prefixes = []
      + destination_application_security_group_ids = []
      + destination_port_range = "3389"
      + destination_port_ranges = []
      + direction              = "Inbound"
      + name                   = "rule1"
      + priority               = 100
      + protocol               = "Tcp"
      + source_address_prefix = "*"
      + source_address_prefixes = []
      + source_application_security_group_ids = []
      + source_port_range      = "*"
      + source_port_ranges     = []
      # (1 unchanged attribute hidden)
    },
    + {
      + access                = "Allow"
      + destination_address_prefix = "*"
      + destination_address_prefixes = []
      + destination_application_security_group_ids = []
      + destination_port_range = "5985"
      + destination_port_ranges = []
      + direction              = "Inbound"
      + name                   = "rule2"
      + priority               = 200
      + protocol               = "Tcp"
      + source_address_prefix = "*"
      + source_address_prefixes = []
      + source_application_security_group_ids = []
      + source_port_range      = "*"
      + source_port_ranges     = []
      # (1 unchanged attribute hidden)
    }
  ],
}

# azurerm_subnet.lab02_subnet2 will be created
+ resource "azurerm_subnet" "lab02_subnet2" {
  + address_prefixes = [
    + "10.0.2.0/24",
  ]
  + default_outbound_access_enabled = true
  + id                             = (known after apply)
  + name                           = "lab02-subnet2"
  + private_endpoint_network_policies = "Disabled"
  + private_link_service_network_policies_enabled = true
  + resource_group_name            = "lab02-rg"
  + virtual_network_name           = "lab02-vnet"
}

# azurerm_subnet_network_security_group_association.lab02_assoc will be destroyed
# (because azurerm_subnet_network_security_group_association.lab02_assoc is not in configuration)
- resource "azurerm_subnet_network_security_group_association" "lab02_assoc" {
1" -> null
  - id                = "/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
  - network_security_group_id = "/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1" -> null
  - subnet_id             = "/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
1" -> null
}

# azurerm_subnet_network_security_group_association.lab02_assoc1 will be created
+ resource "azurerm_subnet_network_security_group_association" "lab02_assoc1" {
1" + id                = (known after apply)
  + network_security_group_id = "/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1"
  + subnet_id             = "/subscriptions/bf8e3041-7fa8-4038-8890-37e17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
1" }

# azurerm_subnet_network_security_group_association.lab02_assoc2 will be created
+ resource "azurerm_subnet_network_security_group_association" "lab02_assoc2" {
  + id                = (known after apply)
  + network_security_group_id = (known after apply)
  + subnet_id             = (known after apply)
}
```

```
# azurerm_subnet_network_security_group_association.lab02_assoc2 will be created
+ resource "azurerm_subnet_network_security_group_association" "lab02_assoc2" {
  + id                = (known after apply)
  + network_security_group_id = (known after apply)
  + subnet_id             = (known after apply)
}
```

Plan: 4 to add, 0 to change, 1 to destroy.

Note: You didn't use the `-out` option to save this plan, so Terraform can't guarantee to take exactly these actions if you run `"terraform apply"` now.

C:\Users\Saad\Desktop\lab02>

## PART 12

```
C:\Users\Saad\Desktop>lab02>terraform apply
azurerm_resource_group.lab02_rg: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg]
azurerm_virtual_network_security_group.lab02_nsg: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-vnet/subnets/lab02-subnet1]
azurerm_virtual_network.lab02_vnet: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet]
azurerm_virtual_network_security_group.lab02_nsg1: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1]
azurerm_subnet.lab02_subnet1: Refreshing state... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
```

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

- create
- destroy

Terraform will perform the following actions:

```
# azurerm_network_security_group.lab02_nsg2 will be created
```

```
+ resource "azurerm_network_security_group" "lab02_nsg2" {
+   id = (known after apply)
+   location = "eastus"
+   name = "lab02-nsg2"
+   resource_group_name = "lab02-rg"
+   security_rule = [
+     {
+       access = "Allow"
+       destination_address_prefix = ""
+       destination_address_prefixes = []
+       destination_application_security_group_ids = []
+       destination_port_range = "3389"
+       destination_port_ranges = []
+       direction = "Inbound"
+       name = "rule1"
+       priority = 100
+       protocol = "Tcp"
+       source_address_prefix = ""
+       source_address_prefixes = []
+       source_application_security_group_ids = []
+       source_port_range = ""
+       source_port_ranges = []
+     },
+     (1 unchanged attribute hidden)
+   ],
+   access = "Allow"
+   destination_address_prefix = ""
+   destination_address_prefixes = []
+   destination_application_security_group_ids = []
+   destination_port_range = ""
+   destination_port_ranges = []
+   direction = ""
+   name = ""
+   priority = ""
+   protocol = ""
+   source_address_prefix = ""
+   source_address_prefixes = []
+   source_application_security_group_ids = []
+   source_port_range = ""
+   source_port_ranges = []
+ }
```

```

+ direction                                = "Inbound"
+ name                                     = "rule1"
+ priority                                = 100
+ protocol                                = "Tcp"
+ source_address_prefix                   = "*"
+ source_address_prefixes                 = []
+ source_application_security_group_ids   = []
+ source_port_range                       = []
+ source_port_ranges                      = []
+ # (1 unchanged attribute hidden)
+ },
+ {
+   + access                               = "Allow"
+   + destination_address_prefix           = "*"
+   + destination_address_prefixes         = []
+   + destination_application_security_group_ids = []
+   + destination_port_range              = "5985"
+   + destination_port_ranges              = []
+   + direction                           = "Inbound"
+   + name                                 = "rule2"
+   + priority                             = 200
+   + protocol                             = "Tcp"
+   + source_address_prefix                 = "*"
+   + source_address_prefixes               = []
+   + source_application_security_group_ids = []
+   + source_port_range                    = []
+   + source_port_ranges                   = []
+   + # (1 unchanged attribute hidden)
+ },
}
}

# azure_rm_subnet.lab02_subnet2 will be created
+ resource "azure_rm_subnet" "lab02_subnet2" {
+   address_prefixes = [
+     "10.0.2.0/24",
+   ]
+   default_outbound_access_enabled = true
+   id                               = (known after apply)
+   name                             = "lab02-subnet2"
+   private_endpoint_network_policies = "Disabled"
+   private_link_service_network_policies_enabled = true
+   resource_group_name              = "lab02-rg"
+   virtual_network_name             = "lab02-vnet"
+ }

# azure_rm_subnet_network_security_group_association.lab02_assoc will be d
# (because azure_rm_subnet_network_security_group_association.lab02_assoc
- resource "azure_rm_subnet_network_security_group_association" "lab02_ass
- id = "subscriptions/bfbee3041-7fa8-4038-8890

```

```

# azurerm_subnet_network_security_group_association.lab02_assoc will be destroyed
# (because azurerm_subnet_network_security_group_association.lab02_assoc is not in configuration)
- resource "azurerm_subnet_network_security_group_association" "lab02_assoc" {
  id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
  network_security_group_id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1" -> null
  subnet_id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1" -> null
}

# azurerm_subnet_network_security_group_association.lab02_assoc1 will be created
+ resource "azurerm_subnet_network_security_group_association" "lab02_assoc1" {
  id = (known after apply)
  network_security_group_id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1"
  subnet_id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
}

# azurerm_subnet_network_security_group_association.lab02_assoc2 will be created
+ resource "azurerm_subnet_network_security_group_association" "lab02_assoc2" {
  id = (known after apply)
  network_security_group_id = (known after apply)
  subnet_id = (known after apply)
}

Plan: 4 to add, 0 to change, 1 to destroy.

Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

azurerm_subnet_network_security_group_association.lab02_assoc: Destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
azurerm_subnet_network_security_group_association.lab02_assoc1: Creating...
azurerm_network_security_group.lab02_nsg2: Creating...
azurerm_subnet.lab02_subnet2: Creation complete after 7s [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg2]
azurerm_subnet_network_security_group_association.lab02_assoc: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1, 10s elapsed]
azurerm_subnet.lab02_subnet2: Still creating... [10s elapsed]
azurerm_subnet_network_security_group_association.lab02_assoc2: Creation complete after 12s [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azurerm_subnet_network_security_group_association.lab02_assoc2: Creating...
azurerm_subnet_network_security_group_association.lab02_assoc: Destruction complete after 19s
azurerm_subnet_network_security_group_association.lab02_assoc2: Still creating... [10s elapsed]
azurerm_subnet_network_security_group_association.lab02_assoc2: Creation complete after 17s [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]

```

## PART 13

```

C:\Users\Saad\Desktop\lab02>terraform state list
azurerm_network_security_group.lab02_nsg1
azurerm_network_security_group.lab02_nsg2
azurerm_resource_group.lab02_rg
azurerm_subnet.lab02_subnet1
azurerm_subnet.lab02_subnet2
azurerm_subnet_network_security_group_association.lab02_assoc2
azurerm_virtual_network.lab02_vnet

C:\Users\Saad\Desktop\lab02>

```

## PART 14

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

bsc2112118@szabiet.pk

Home >

lab02-rg

Resource group

Search

+ Create

Manage view

Delete resource group

Refresh

Export to CSV

Open query

Assign tags

Move

Delete

Export template

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Cost Management

Monitoring

Automation

Help

Essentials

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Add filter

Showing 1 to 3 of 3 records.

Show hidden types

No grouping

List view

Name	Type	Location
lab02-nsg1	Network security group	East US
lab02-nsg2	Network security group	East US
lab02-vnet	Virtual network	East US

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

bscc2112118@szabist.pk

Home > lab02-rg >

lab02-nsg2

Network security group

Search

Move Delete Refresh Give feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

Monitoring

Automation

Help

Essentials

Resource group (move): lab02-rg

Location: East US

Subscription (move): Azure for Students

Subscription ID: bfbe3041-7fa8-4038-8890-37ee17f2c645

Tags (edit): Add tags

Custom security rules: 2 inbound, 0 outbound

Associated with: 1 subnets, 0 network interfaces

Filter by name

Port == all Protocol == all Source == all Destination == all Action == all

Priority ↑↓	Name ↑↓	Port ↑↓	Protocol ↑↓	Source ↑↓	Destination ↑↓	Action ↑↓
Inbound Security Rules						
100	rule1	3389	Tcp	Any	Any	Allow
200	rule2	5985	Tcp	Any	Any	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow

## PART 15

```
C:\Users\Saad\Desktop\lab02>terraform destroy
azurerm_resource_group.lab02_rg: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg]
azurerm_network_security_group.lab02_nsg1: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1]
azurerm_virtual_network.lab02_vnet: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet]
azurerm_network_security_group.lab02_nsg2: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg2]
azurerm_subnet.lab02_subnet2: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azurerm_subnet.lab02_subnet1: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1]
azurerm_subnet_network_security_group_association.lab02_assoc2: Refreshing state... [id=/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]

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

Terraform will perform the following actions:

# azurerm_network_security_group.lab02_nsg1 will be destroyed
- resource "azurerm_network_security_group" "lab02_nsg1" {
  id           = "/subscriptions/bfbe3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg1" -> null
  location     = "eastus" -> null
  name         = "lab02-nsg1" -> null
  resource_group_name = "lab02-rg" -> null
  security_rule = [
    {
      access                = "Allow"
      destination_address_prefix = "*"
      destination_address_prefixes = []
      destination_application_security_group_ids = []
      destination_port_range = "22"
      destination_port_ranges = []
      direction             = "Inbound"
      name                  = "rule1"
      priority              = 100
      protocol               = "Tcp"
      source_address_prefix = "*"
      source_address_prefixes = []
      source_application_security_group_ids = []
      source_port_range      = "*"
      source_port_ranges     = []
    }
  ]
} -> null
```

```

    },
    ] -> null
    tags = {} -> null
  }

# azure_rm_network_security_group.lab02_nsg2 will be destroyed
- resource "azure_rm_network_security_group" "lab02_nsg2" {
  id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg2" -> null
  location = "eastus" -> null
  name = "lab02-nsg2" -> null
  resource_group_name = "lab02-rg" -> null
  security_rule = [
    {
      access = "Allow"
      destination_address_prefix = "*"
      destination_address_prefixes = []
      destination_application_security_group_ids = []
      destination_port_range = "3389"
      destination_port_ranges = []
      direction = "Inbound"
      name = "rule1"
      priority = 100
      protocol = "Tcp"
      source_address_prefix = "*"
      source_address_prefixes = []
      source_application_security_group_ids = []
      source_port_range = "*"
      source_port_ranges = []
      # (1 unchanged attribute hidden)
    },
    {
      access = "Allow"
      destination_address_prefix = "*"
      destination_address_prefixes = []
      destination_application_security_group_ids = []
      destination_port_range = "5985"
      destination_port_ranges = []
      direction = "Inbound"
      name = "rule2"
      priority = 200
      protocol = "Tcp"
      source_address_prefix = "*"
      source_address_prefixes = []
      source_application_security_group_ids = []
      source_port_range = "*"
      source_port_ranges = []
      # (1 unchanged attribute hidden)
    }
  ],
  tags = {} -> null
}

```

```

# azure_rm_resource_group.lab02_rg will be destroyed
- resource "azure_rm_resource_group" "lab02_rg" {
  id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg" -> null
  location = "eastus" -> null
  name = "lab02-rg" -> null
  tags = {} -> null
  # (1 unchanged attribute hidden)
}

# azure_rm_subnet.lab02_subnet1 will be destroyed
- resource "azure_rm_subnet" "lab02_subnet1" {
  address_prefixes = [
    "10.0.1.0/24",
  ] -> null
  default_outbound_access_enabled = true -> null
  id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1" -> null
  name = "lab02-subnet1" -> null
  private_endpoint_network_policies = "Disabled" -> null
  private_link_service_network_policies_enabled = true -> null
  resource_group_name = "lab02-rg" -> null
  service_endpoint_policy_ids = [] -> null
  service_endpoints = [] -> null
  virtual_network_name = "lab02-vnet" -> null
}

# azure_rm_subnet.lab02_subnet2 will be destroyed
- resource "azure_rm_subnet" "lab02_subnet2" {
  address_prefixes = [
    "10.0.2.0/24",
  ] -> null
  default_outbound_access_enabled = true -> null
  id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2" -> null
  name = "lab02-subnet2" -> null
  private_endpoint_network_policies = "Disabled" -> null
  private_link_service_network_policies_enabled = true -> null
  resource_group_name = "lab02-rg" -> null
  service_endpoint_policy_ids = [] -> null
  service_endpoints = [] -> null
  virtual_network_name = "lab02-vnet" -> null
}

# azure_rm_subnet_network_security_group_association.lab02_assoc2 will be destroyed
- resource "azure_rm_subnet_network_security_group_association" "lab02_assoc2" {
  id = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet"
}

```



```

# azure_rm_subnet_network_security_group_association.lab02_assoc2 will be destroyed
- resource "azure_rm_subnet_network_security_group_association" "lab02_assoc2" {
  - id
    = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2" -> null
  - network_security_group_id
    = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg2" -> null
  - subnet_id
    = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2" -> null
}

# azure_rm_virtual_network.lab02_vnet will be destroyed
- resource "azure_rm_virtual_network" "lab02_vnet" {
  - address_space
    = [
      "10.0.0.0/16",
    ] -> null
  - dns_servers
    = [] -> null
  - flow_timeout_in_minutes
    = 0 -> null
  - guid
    = "206a5517-a602-4dab-891e-f64748cfc237" -> null
  - id
    = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet" -> null
  - location
    = "eastus" -> null
  - name
    = "lab02-vnet" -> null
  - private_endpoint_vnet_policies
    = "Disabled" -> null
  - resource_group_name
    = "lab02-rg" -> null
  - subnet
    = [
      {
        - address_prefixes
          = [
            "10.0.1.0/24",
          ]
        - default_outbound_access_enabled
          = true
        - delegation
          = []
        - id
          = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet1"
        - name
          = "lab02-subnet1"
        - private_endpoint_network_policies
          = "Disabled"
        - private_link_service_network_policies_enabled
          = true
        - service_endpoint_policy_ids
          = []
        - service_endpoints
          = []
        # (2 unchanged attributes hidden)
      },
      {
        - address_prefixes
          = [
            "10.0.2.0/24",
          ]
        - default_outbound_access_enabled
          = true
        - delegation
          = []
        - id
          = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2"
        - name
          = "lab02-subnet2"
        - private_endpoint_network_policies
          = "Disabled"
        - private_link_service_network_policies_enabled
          = true
      }
    ]
}

```

```

- private_endpoint_network_policies
  = "Disabled"
- private_link_service_network_policies_enabled
  = true
- security_group
  = "/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/networkSecurityGroups/lab02-nsg2"
- service_endpoint_policy_ids
  = []
- service_endpoints
  = []
# (1 unchanged attribute hidden)
}
- tags
  = {} -> null
# (2 unchanged attributes hidden)
}

```

Plan: 0 to add, 0 to change, 7 to destroy.

Do you really want to destroy all resources?  
Terraform will destroy all your managed infrastructure, as shown above.  
There is no undo. Only 'yes' will be accepted to confirm.

Enter a value: yes

```

azure_rm_subnet_network_security_group_association.lab02_assoc2: Destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 12s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s
azure_rm_subnet_network_security_group_association.lab02_assoc2: Still destroying... [id=/subscriptions/bf3e3041-7fa8-4038-8890-37ee17f2c645/resourceGroups/lab02-rg/providers/Microsoft.Network/virtualNetworks/lab02-vnet/subnets/lab02-subnet2]
azure_rm_subnet_network_security_group_association.lab02_assoc2: Destruction complete after 13s

```

Destroy complete! Resources: 7 destroyed.

C:\Users\Saad\Desktop\lab02>

C:\Users\Saad\Desktop\lab02>terraform state list

C:\Users\Saad\Desktop\lab02>terraform show  
The state file is empty. No resources are represented.

C:\Users\Saad\Desktop\lab02>