

```
kiki@popi: ~/BCIT/IT_System_Network_Provisioning/lab4
File Edit View Terminal Tabs Help

    + "Name"          = "project_vpc"
    + "project_name" = "lab_week_4"
  }
}

# aws_vpc_security_group_egress_rule.web-egress will be created
+ resource "aws_vpc_security_group_egress_rule" "web-egress" {
  + arn              = (known after apply)
  + cidr_ipv4        = "0.0.0.0/0"
  + id               = (known after apply)
  + ip_protocol      = "-1"
  + security_group_id = (known after apply)
  + security_group_rule_id = (known after apply)
  + tags_all         = {}
}

# aws_vpc_security_group_ingress_rule.web-http will be created
+ resource "aws_vpc_security_group_ingress_rule" "web-http" {
  + arn              = (known after apply)
  + cidr_ipv4        = "0.0.0.0/0"
  + from_port        = 80
  + id               = (known after apply)
  + ip_protocol      = "tcp"
  + security_group_id = (known after apply)
  + security_group_rule_id = (known after apply)
  + tags_all         = {}
  + to_port          = 80
}

# aws_vpc_security_group_ingress_rule.web-ssh will be created
+ resource "aws_vpc_security_group_ingress_rule" "web-ssh" {
  + arn              = (known after apply)
  + cidr_ipv4        = "0.0.0.0/0"
  + from_port        = 22
  + id               = (known after apply)
  + ip_protocol      = "ssh"
  + security_group_id = (known after apply)
  + security_group_rule_id = (known after apply)
  + tags_all         = {}
  + to_port          = 22
}

Plan: 11 to add, 0 to change, 0 to destroy.

Changes to Outputs:
  + instance_ip_addr = {
    + dns_name = (known after apply)
    + public_ip = (known after apply)
  }

Saved the plan to: plan

To perform exactly these actions, run the following command to apply:
  terraform apply "plan"
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```

```
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+ "Name" = "Web"
+ "project_name" = "lab_week_4"
}
+ tags_all = {
+ "Name" = "Web"
+ "project_name" = "lab_week_4"
}
+ vpc_id = "vpc-0f6f467294d918746"
}

# aws_vpc_security_group_ingress_rule.web-ssh will be created
+ resource "aws_vpc_security_group_ingress_rule" "web-ssh" {
+ arn = (known after apply)
+ cidr_ipv4 = "0.0.0.0/0"
+ from_port = 22
+ id = (known after apply)
+ ip_protocol = "tcp"
+ security_group_id = "sg-06fc010bcde6f79dd"
+ security_group_rule_id = (known after apply)
+ tags_all = {}
+ to_port = 22
}

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

Changes to Outputs:
+ instance_ip_addr = {
+ dns_name = (known after apply)
+ public_ip = (known after apply)
}

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

aws_subnet.web: Creating...
aws_vpc_security_group_ingress_rule.web-ssh: Creating...
aws_vpc_security_group_ingress_rule.web-ssh: Creation complete after 1s [id=sgr-0bc987be8dd65662c]
aws_subnet.web: Still creating... [10s elapsed]
aws_subnet.web: Creation complete after 11s [id=subnet-062aca07945b458db]
aws_route_table_association.web: Creating...
aws_instance.web: Creating...
aws_route_table_association.web: Creation complete after 1s [id=rthassoc-046df8c9e4b04ed5d]
aws_instance.web: Still creating... [10s elapsed]
aws_instance.web: Creation complete after 13s [id=i-041b9f667e35b68b6]

Apply complete! Resources: 4 added, 0 changed, 0 destroyed.

Outputs:
instance_ip_addr = {
  "dns_name" = "ec2-35-91-67-170.us-west-2.compute.amazonaws.com"
  "public_ip" = "35.91.67.170"
}

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```

EC2

Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

Instances (1) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type
<input type="checkbox"/>	Web	i-041b9f667e35b68b6	Running	t2.micro

web@ip-10-0-1-132: ~

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kiki@popi:~\$ ssh -i .ssh/cloudinit web@35.91.67.170

Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1021-aws x86_64)

- * Documentation: <https://help.ubuntu.com>
- * Management: <https://landscape.canonical.com>
- * Support: <https://ubuntu.com/pro>

System information as of Fri Jan 31 19:42:18 UTC 2025

System load:	0.09	Processes:	105
Usage of /:	28.8% of 6.71GB	Users logged in:	0
Memory usage:	22%	IPv4 address for enX0:	10.0.1.132
Swap usage:	0%		

Expanded Security Maintenance for Applications is not enabled.

76 updates can be applied immediately.

19 of these updates are standard security updates.

To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

Last login: Fri Jan 31 19:42:21 2025 from 142.232.219.145

web@ip-10-0-1-132:~\$ █

