Cloud Computing Lab

Nayab khazin

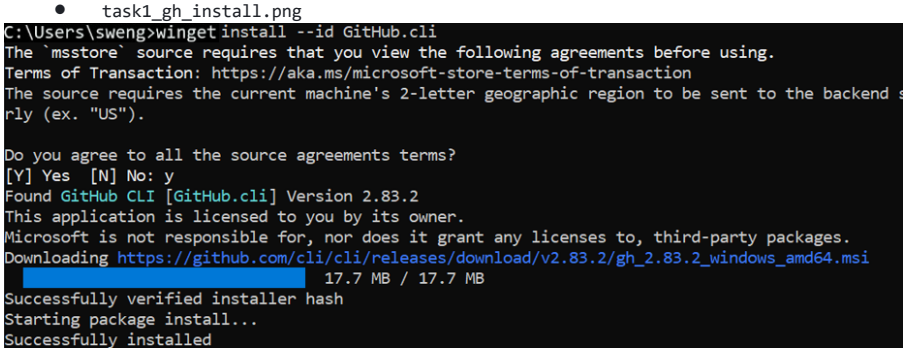
BSE-V B

2023-BSE-046

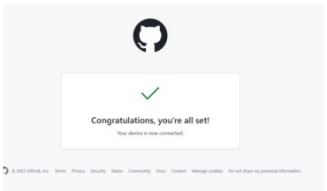
LAB 10

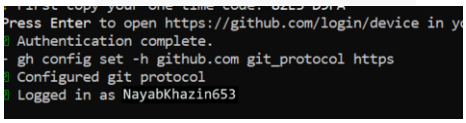
Task 1 — GitHub CLI Codespace Setup & Authentication

- task1_gh_install.png

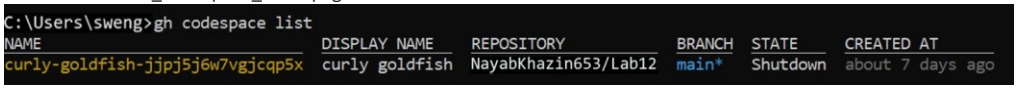


- task1_gh_auth_login.png

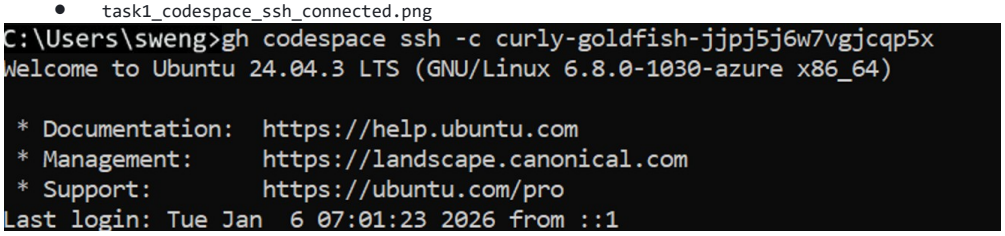




- task1_codespace_list.png



- task1_codespace_ssh_connected.png



Task 2 — Install AWS CLI, Terraform CLI, Provider Setup

- task2_aws_install_and_version.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 60.2M  100 60.2M    0     0   183M      0 --:--:-- --:--:-- --:--:--  183M
```

```
@NayabKhazin653 /workspaces/Lab12 (main) $ unzip awscliv2.zip
Archive:  awscliv2.zip
   creating: aws/
   creating: aws/dist/
  inflating: aws/README.md
  inflating: aws/install
  inflating: aws/THIRD_PARTY_LICENSES
   creating: aws/dist/awscli/
   creating: aws/dist/dateutil/
   creating: aws/dist/docutils/
   creating: aws/dist/lib-dynload/
   creating: aws/dist/prompt_toolkit-3.0.51.dist-info/
   creating: aws/dist/wheel-0.45.1.dist-info/
  inflating: aws/dist/aws
  inflating: aws/dist/aws_completer
  inflating: aws/dist/libpython3.13.so.1.0
  inflating: aws/dist/_awscrt.abi3.so
  inflating: aws/dist/_ruamel_yaml.cpython-313-x86_64-linux-gnu.so
  inflating: aws/dist/libz.so.1
@NayabKhazin653 /workspaces/Lab12 (main) $ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
@NayabKhazin653 /workspaces/Lab12 (main) $ aws --version
aws-cli/2.32.28 Python/3.13.11 Linux/6.8.0-1030-azure exe/x86_64.ubuntu.24
```

- task2_aws_configure_and_files.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ aws configure
AWS Access Key ID [None]: AKIAZCUSI5S7NN4YTFXF
AWS Secret Access Key [None]: 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
Default region name [None]: me-central-1
Default output format [None]: json
@NayabKhazin653 /workspaces/Lab12 (main) $ cat ~/.aws/credentials
[default]
aws_access_key_id = AKIAZCUSI5S7NN4YTFXF
aws_secret_access_key = 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
@NayabKhazin653 /workspaces/Lab12 (main) $ cat ~/.aws/config
[default]
region = me-central-1
output = json
```

- task2_aws_get_caller_identity.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ aws sts get-caller-identity
{
    "UserId": "AIDAZCUSI5S7IFMHUH7UB",
    "Account": "624150768830",
    "Arn": "arn:aws:iam::624150768830:user/Admin"
}
```

- task2_terraform_install_and_version.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ wget -O - https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg
--2026-01-06 08:40:45--  https://apt.releases.hashicorp.com/gpg
File '/usr/share/keyrings/hashicorp-archive-keyring.gpg' exists. Overwrite? (y/N) Resolving apt.releases.hashicorp.com (apt.releases.hashicorp.com)... 18.172.78.65, 18.172
78.30, 18.172.78.12, ...
Connecting to apt.releases.hashicorp.com (apt.releases.hashicorp.com)|18.172.78.65|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3980 (3.9K) [binary/octet-stream]
Saving to: 'STDOUT'
-                   100%[===================>]   3.89K  --.-KB/s    in 0s

2026-01-06 08:40:45 (715 MB/s) - written to stdout [3980/3980]


Enter new filename: terraform
@NayabKhazin653 /workspaces/Lab12 (main) $ echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases
hashicorp.com $(grep -oP '(?<=UBUNTU_CODENAME=).*' /etc/os-release || lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/hashicorp.list
deb [arch=amd64 signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com noble main
@NayabKhazin653 /workspaces/Lab12 (main) $ sudo apt update
Get:1 https://apt.releases.hashicorp.com noble InRelease [12.9 kB]
Get:2 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease [3600 B]
Hit:3 https://dl.yarnpkg.com/debian stable InRelease
Err:1 https://apt.releases.hashicorp.com noble InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY AA16FCBCA621E701
Get:4 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble/main amd64 Packages [77.4 kB]
Hit:5 https://repo.anaconda.com/pkgs/misc/debrepo/conda stable InRelease
Hit:6 http://archive.ubuntu.com/ubuntu noble InRelease
Get:7 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [2130 kB]
```

```
@NayabKhazin653 /workspaces/Lab12 (main) $ sudo apt update && sudo apt install terraform -y
Hit:1 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease
Hit:2 https://dl.yarnpkg.com/debian stable InRelease
Get:3 https://apt.releases.hashicorp.com noble InRelease [12.9 kB]
Hit:4 https://repo.anaconda.com/pkgs/misc/debrepo/conda stable InRelease
Get:5 https://apt.releases.hashicorp.com noble/main amd64 Packages [266 kB]
Hit:6 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:7 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:8 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Fetched 279 kB in 1s (258 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
51 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  terraform
0 upgraded, 1 newly installed, 0 to remove and 51 not upgraded.
Need to get 30.6 MB of archives.
After this operation, 101 MB of additional disk space will be used.
Get:1 https://apt.releases.hashicorp.com noble/main amd64 terraform amd64 1.14.3-1 [30.6 MB]
Fetched 30.6 MB in 0s (157 MB/s)
Selecting previously unselected package terraform.
(Reading database ... 58629 files and directories currently installed.)
Preparing to unpack .../terraform_1.14.3-1_amd64.deb ...
Unpacking terraform (1.14.3-1) ...
Setting up terraform (1.14.3-1) ...
```

- task2_provider_file_creation.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ which terraform
/usr/local/bin/terraform
@NayabKhazin653 /workspaces/Lab12 (main) $ terraform --version
Terraform v1.9.5
on linux_amd64

Your version of Terraform is out of date! The latest version
is 1.14.3. You can update by downloading from https://www.terraform.io/downloads.html
@NayabKhazin653 /workspaces/Lab12 (main) $
```

Command Prompt - gh codespace ssh -c curly-goldfish-jjpj5j6w7vgjcqp5x

```
provider "aws" {
  shared_config_files      = ["~/.aws/config"]
  shared_credentials_files = ["~/.aws/credentials"]
}

resource "aws_vpc" "myapp_vpc" {
  cidr_block = var.vpc_cidr_block
  tags = {
     Name = "${var.env_prefix}-vpc"
  }
}

resource "aws_subnet" "myapp_subnet_1" {
  vpc_id     = aws_vpc.myapp_vpc.id
  cidr_block = var.subnet_cidr_block
  availability_zone = var.availability_zone
  tags = {
     Name = "${var.env_prefix}-subnet-1"
  }
}

resource "aws_default_route_table" "main_rt" {
  default_route_table_id = aws_vpc.myapp_vpc.default_route_table_id

  route {
    cidr_block = "0.0.0.0/0"
    gateway_id = aws_internet_gateway.myapp_igw.id
  }
    tags = {
      Name = "${var.env_prefix}-rt"
  }
}

resource "aws_internet_gateway" "myapp_igw" {
  vpc_id = aws_vpc.myapp_vpc.id
    tags = {
      Name = "${var.env_prefix}-igw"
  }
}

"main.tf" 91L, 1994B
```

- task2_provider_block.png

Command Prompt - gh codespace ssh -c curly-goldfish-jjpj5j6w7vgjcqp5x

```
provider "aws" {
  shared_config_files      = ["~/.aws/config"]
  shared_credentials_files = ["~/.aws/credentials"]
}

resource "aws_vpc" "myapp_vpc" {
  cidr_block = var.vpc_cidr_block
  tags = {
     Name = "${var.env_prefix}-vpc"
  }
}

resource "aws_subnet" "myapp_subnet_1" {
  vpc_id     = aws_vpc.myapp_vpc.id
```

- task2_vim_save_main_tf.png

```
  }
}


:wq
```

```
NayabKhazin653 /workspaces/Lab12 (main) $ vim main.tf
NayabKhazin653 /workspaces/Lab12 (main) $ vim main.tf
```

- task2_terraform_init_output.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/http...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/http v3.5.0...
- Installed hashicorp/http v3.5.0 (signed by HashiCorp)
- Installing hashicorp/aws v6.27.0...
- Installed hashicorp/aws v6.27.0 (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.
```

- task2_terraform_lock_hcl.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ cat .terraform.lock.hcl
# This file is maintained automatically by "terraform init".
# Manual edits may be lost in future updates.

provider "registry.terraform.io/hashicorp/aws" {
  version = "6.27.0"
  hashes = [
    "h1:bixp2PSsP5ZGBczGCxcbSDn6lF5QFlUXlNroq9cdab4=",
    "zh:177a24b806c72e8484b5cabc93b2b38e3d770ae6f745a998b54d6619fd0e8129",
    "zh:4ac4a85c14fb868a3306b542e6a56c10bd6c6d5a67bc0c9b8f6a9060cf5f3be7",
    "zh:552652185bc85c8ba1da1d65dea47c454728a5c6839c458b6dcd3ce71c19ccfc",
    "zh:60284b8172d09aee91eae0856f09855eaf040ce3a58d6933602ae17c53f8ed04",
    "zh:6be38d156756ca61fb8e7c752cc5d769cd709686700ac4b230f40a6e95b5dbc9",
    "zh:7a409138fae4ef42e3a637e37cb9efedf96459e28a3c764fc4e855e8db9a7485",
    "zh:8070cf5224ed1ed3a3e9a59f7c30ff88bf071c7567165275d477c1738a56c064",
    "zh:894439ef340a9a79f69cd759e27ad11c7826adeca27be1b1ca82b3c9702fa300",
    "zh:89d035eebf08a97c89374ff06040955ddc09f275ecca609d0c9d58d149bef5cf",
    "zh:985b1145d724fc1f38369099e4a5087141885740fd6c0b1dbc492171e73c2e49",
    "zh:9b12af85486a96aedd8d7984b0ff811a4b42e3d88dad1a3fb4c0b580d04fa425",
    "zh:a80b47ae8d1475201c86bd94a5dcb9dd4da5e8b73102a90820b68b66b76d50fd",
    "zh:d3395be1556210f82199b9166a6b2e677cee9c4b67e96e63f6c3a98325ad7ab0",
    "zh:db0b869d09657f6f1e4110b56093c5fcdf9dbdd97c020db1e577b239c0adcbce",
    "zh:ffc72e680370ae7c21f9bd3082c6317730df805c6797427839a6b6b7e9a26a01",
  ]
}

provider "registry.terraform.io/hashicorp/http" {
  version = "3.5.0"
  hashes = [
    "h1:8bUoPwS4hahOvzCBj6b04ObLVFXCEmEN8T/5eOHmWOM=",
    "zh:047c5b4920751b13425efe0d011b3a23a3be97d02d9c0e3c60985521c9c456b7",
```

- task2_terraform_dir_ls.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ ls .terraform/
providers
@NayabKhazin653 /workspaces/Lab12 (main) $
```

Task 3 — VPC/Subnet Creation, Initialization, Verification

- task3_main_tf_resource_add.png

```
}

resource "aws_vpc" "development_vpc" {
  cidr_block = "10.0.0.0/16"
}

resource "aws_subnet" "dev_subnet_1" {
  vpc_id     = aws_vpc.development_vpc.id
  cidr_block = "10.0.10.0/24"
  availability_zone = "me-central-1a"
}

resource "aws_subnet" "myapp_subnet_1" {
  vpc_id     = aws_vpc.myapp_vpc.id
  cidr_block = var.subnet_cidr_block
  availability_zone = var.availability_zone
  tags = {
     Name = "${var.env_prefix}-subnet-1"
  }
}

resource "aws_default_route_table" "main_rt" {
  default_route_table_id = aws_vpc.myapp_vpc.default_route_tab

  route {
    cidr_block = "0.0.0.0/0"
    gateway_id = aws_internet_gateway.myapp_igw.id
  }
    tags = {
     Name = "${var.env_prefix}-rt"
:wq
```

- task3_terraform_apply_vpc_subnet.png

```
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_vpc.myapp_vpc: Creating...
aws_vpc.development_vpc: Creating...
aws_key_pair.ssh-key: Creating...
aws_key_pair.ssh-key: Creation complete after 0s [id=serverkey]
aws_vpc.development_vpc: Creation complete after 1s [id=vpc-02565d77d51fb329f]
aws_subnet.dev_subnet_1: Creating...
aws_subnet.dev_subnet_1: Creation complete after 1s [id=subnet-0a5c2b714727c30a8]
aws_vpc.myapp_vpc: Creation complete after 2s [id=vpc-0b1c0e93437f8eff5]
aws_internet_gateway.myapp_igw: Creating...
aws_subnet.myapp_subnet_1: Creating...
aws_default_security_group.default_sg: Creating...
aws_internet_gateway.myapp_igw: Creation complete after 0s [id=igw-0611a9be6f6e676c5]
aws_default_route_table.main_rt: Creating...
aws_subnet.myapp_subnet_1: Creation complete after 1s [id=subnet-09c377d931b9bc367]
aws_default_route_table.main_rt: Creation complete after 1s [id=rtb-062e62c8ed1b6b70f]
aws_default_security_group.default_sg: Creation complete after 3s [id=sg-0f9e846d3dec76e5e]
aws_instance.myapp-server: Creating...
aws_instance.myapp-server: Still creating... [10s elapsed]
aws_instance.myapp-server: Creation complete after 14s [id=i-01c40c424be1c2983]

Apply complete! Resources: 9 added, 0 changed, 0 destroyed.
```

- task3_aws_cli_verify_subnet.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ aws ec2 describe-subnets --filter "Name=subnet-id,Values=<subnet-id>"
{
    "Subnets": []
}
```

- task3_aws_cli_verify_vpc.png

```
@NayabKhazin653 /workspaces/Lab12 (main) $ aws ec2 describe-vpcs --filter "Name=vpc-id,Values=<vpc-id>"
{
    "Vpcs": []
}
```

Task 4 — Data Source, Targeted Destroy, Tags

- task4_main_tf_datasource_resource_add.png

```
data "aws_vpc" "existing_vpc" {
  default = true
}

resource "aws_subnet" "dev_subnet_1_existing" {
  vpc_id     = data.aws_vpc.existing_vpc.id
  cidr_block = "172.31.48.0/24"
  availability_zone = "me-central-1a"
}

variable "env_prefix" {
  description = "Prefix for naming resources (e.g., dev or prod)"
}

variable "my_ip" {
  description = "Your IP address for SSH access"
}

variable "instance_type" {
  description = "EC2 instance type"
}

variable "public_key" {
  description = "Path to your public SSH key"
}

provider "aws" {
  shared_config_files      = ["~/.aws/config"]
:wq
```

- task4_terraform_apply_datasource_resource.png

```
  To silence these warnings, use TF_VAR_... environment variables to provide certain "global" settings
  of these warnings, use the -compact-warnings option.


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.dev_subnet_1_existing: Creating...
aws_subnet.dev_subnet_1_existing: Creation complete after 1s [id=subnet-09f36818714cc6790]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
```

- task4_terraform_destroy_targeted.png

```
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

aws_subnet.dev_subnet_1_existing: Destroying... [id=subnet-09f36818714cc6790]
aws_subnet.dev_subnet_1_existing: Destruction complete after 1s

  Warning: Applied changes may be incomplete

  The plan was created with the -target option in effect, so some changes req
  updated. Run the following command to verify that no other changes are pend
      terraform plan

  Note that the -target option is not suitable for routine use, and is provid
  Terraform specifically suggests to use it as part of an error message.


Destroy complete! Resources: 1 destroyed.
```

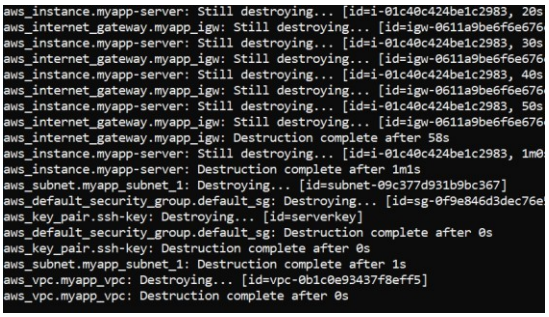
- task4_terraform_refresh_state.png

```
Nayabkhazin653 /workspaces/Lab12 (main) $ terraform refresh
var.my_ip
  Your IP address for SSH access

  Enter a value: 20.192.21.51

data.http.my_ip: Reading...
data.http.my_ip: Read complete after 0s [id=https://icanhazip.com]
data.aws_vpc.existing_vpc: Reading...
aws_vpc.myapp_vpc: Refreshing state... [id=vpc-0b1c0e93437f8eff5]
aws_vpc.development_vpc: Refreshing state... [id=vpc-02565d77d51fb329f]
aws_key_pair.ssh-key: Refreshing state... [id=serverkey]
data.aws_vpc.existing_vpc: Read complete after 1s [id=vpc-0bfbc7302dc628797]
aws_subnet.myapp_subnet_1: Refreshing state... [id=subnet-09c377d931b9bc367]
aws_internet_gateway.myapp_igw: Refreshing state... [id=igw-0611a9be6f6e676c5]
aws_default_security_group.default_sg: Refreshing state...  [id=sg-0f9e846d3dec76e5e
```

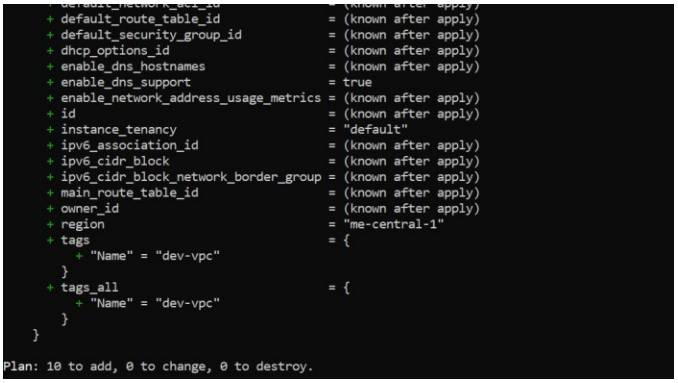
- task4_terraform_apply_after_refresh.png

```
  of these warnings, use the -compact-warnings option.


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.dev_subnet_1_existing: Creating...
aws_subnet.dev_subnet_1_existing: Creation complete after 1s [id=subnet-01eddb587fc9ae35e]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
```

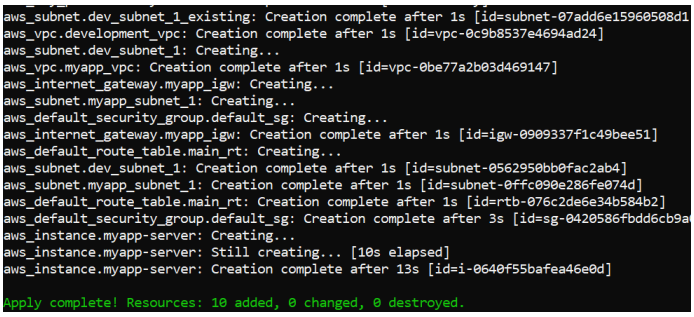
- task4_terraform_destroy_all.png



- task4_terraform_plan_output.png

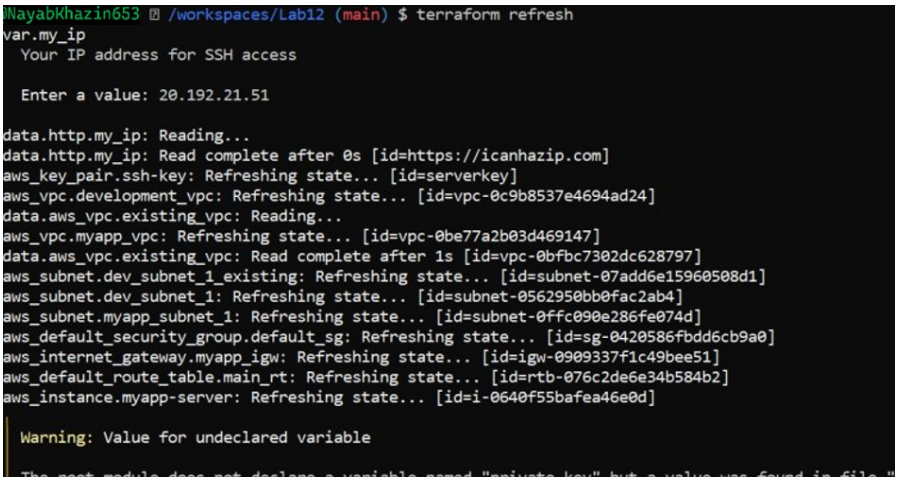


- task4_terraform_apply_after_destroy.png

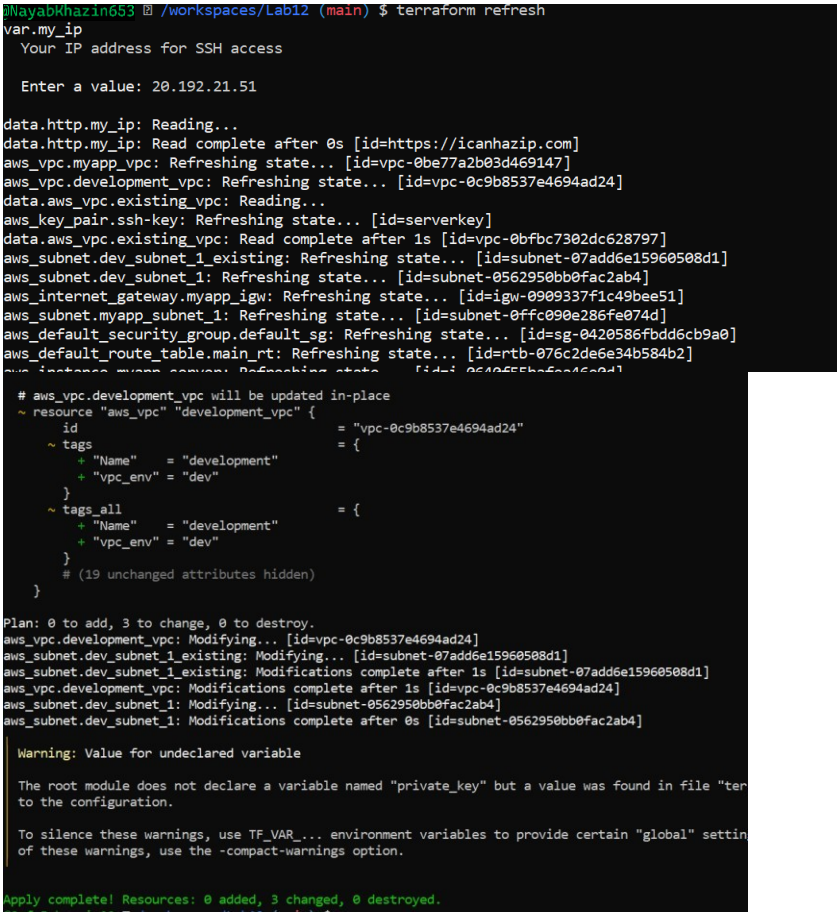


- task4_main_tf_tagging.png

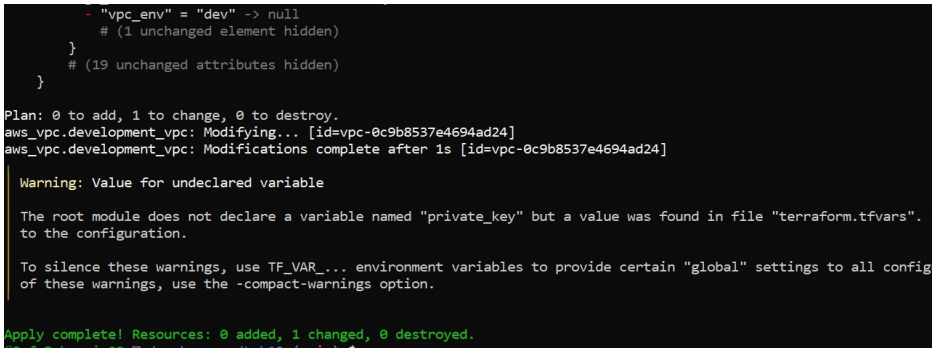
- task4_terraform_apply_tagging.png



- task4_terraform_plan_remove_tag.png

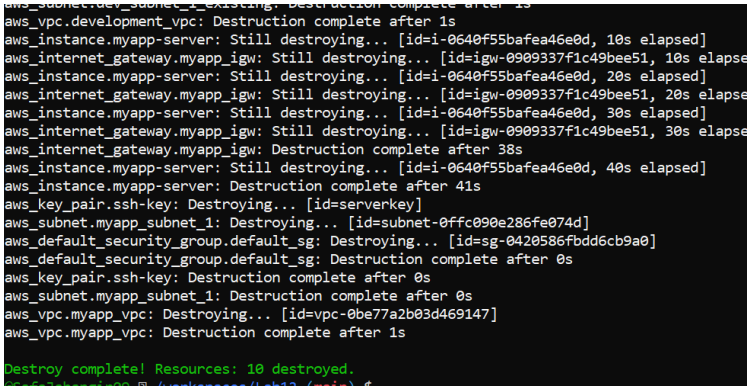


- task4_terraform_apply_remove_tag.png

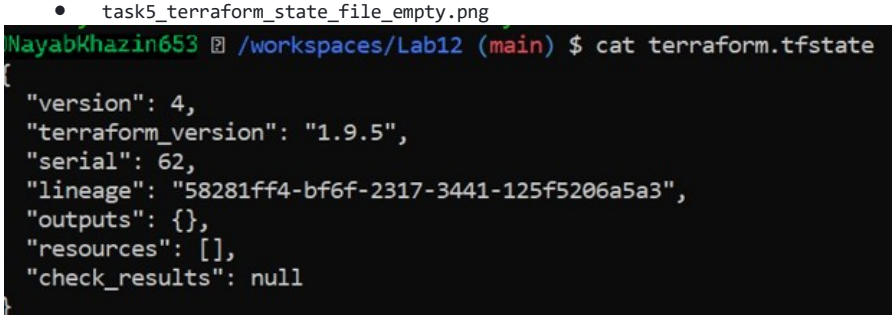


Task 5 — State File Inspection & Terraform State Commands

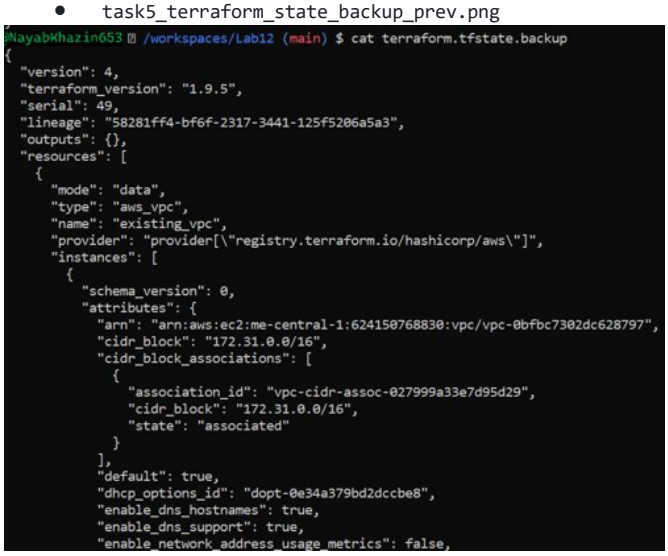
- task5_terraform_destroy.png



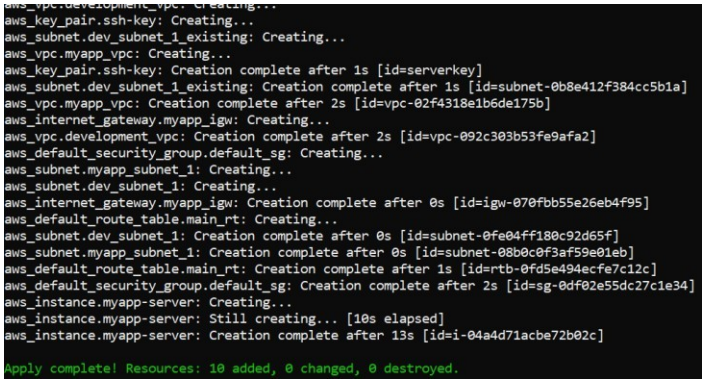
- task5_terraform_state_file_empty.png



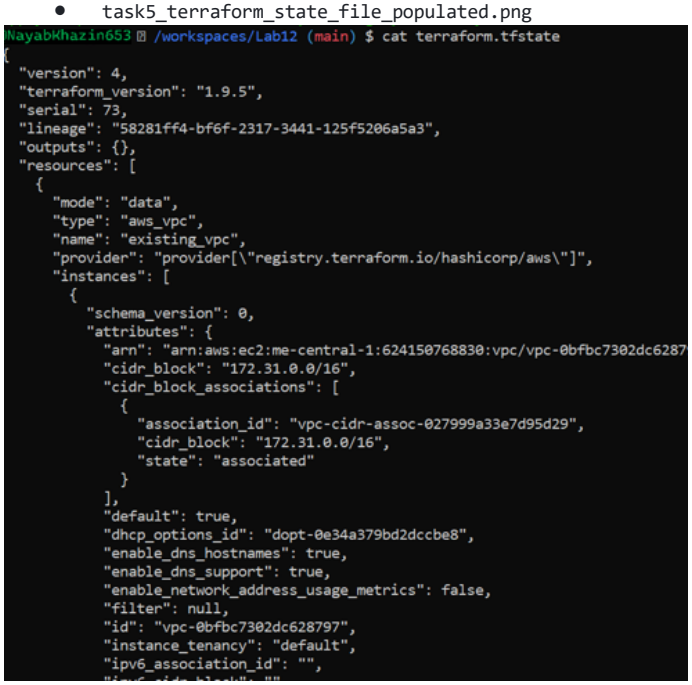
- task5_terraform_state_backup_prev.png



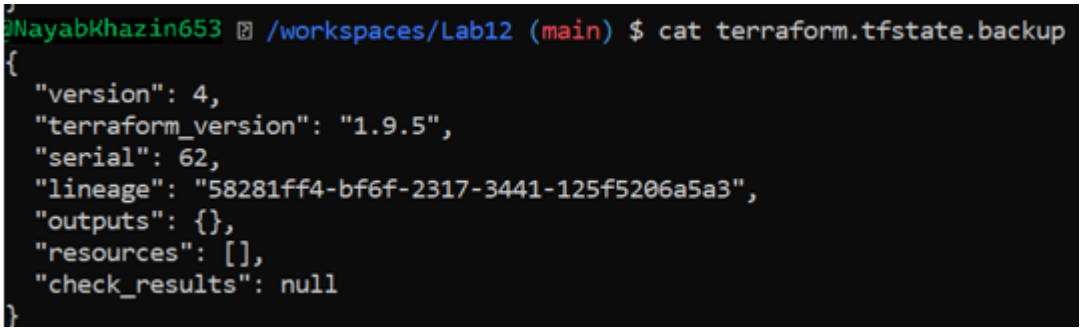
- task5_terraform_apply_recreated.png



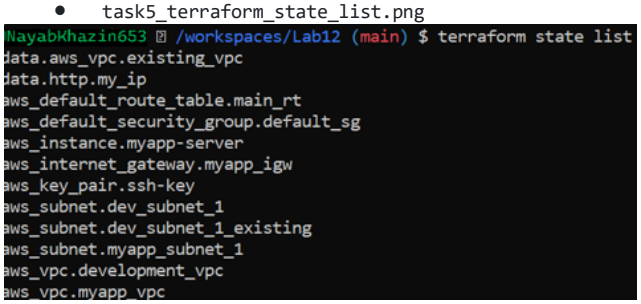
- task5_terraform_state_file_populated.png



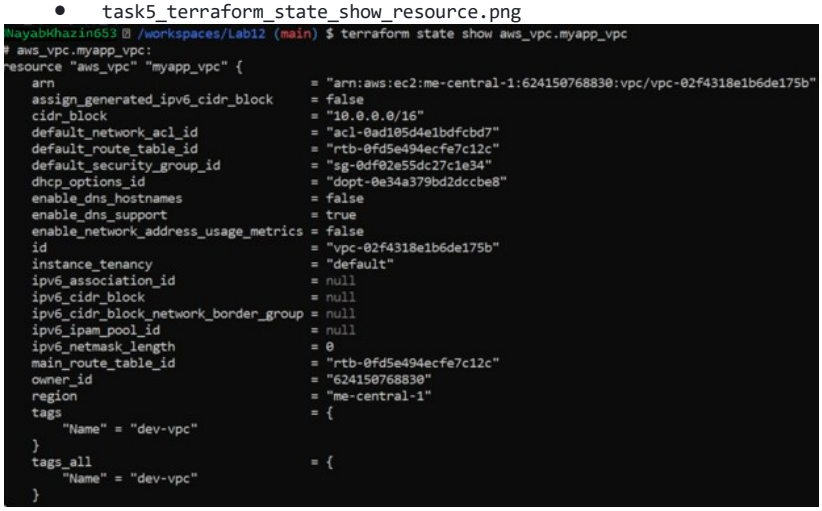
- task5_terraform_state_backup_empty.png



- task5_terraform_state_list.png



- task5_terraform_state_show_resource.png



Task 6 — Terraform Outputs & Attributes Reporting

- task6_terraform_outputs_basic.png

```
resource "aws_subnet" "dev_subnet_1_existing" {
  vpc_id     = data.aws_vpc.existing_vpc.id
  cidr_block = "172.31.48.0/24"
  availability_zone = "me-central-1a"
  tags = {
     Name: "subnet-1-default"
  }
}
output "dev-vpc-id" {
  value = aws_vpc.development_vpc.id
}
output "dev-subnet-id" {
  value = aws_subnet.dev_subnet_1.id
}
output "dev-vpc-arn" {
  value = aws_vpc.development_vpc.arn
}
output "dev-subnet-arn" {
  value = aws_subnet.dev_subnet_1.arn
}
:wq
```

- task6_expanded_outputs.png

```
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


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

Outputs:

dev-subnet-arn = "arn:aws:ec2:me-central-1:624150768830:subnet/subnet-0fe04ff180c92d65f"
dev-subnet-id = "subnet-0fe04ff180c92d65f"
dev-vpc-arn = "arn:aws:ec2:me-central-1:624150768830:vpc/vpc-092c303b53fe9afa2"
dev-vpc-id = "vpc-092c303b53fe9afa2"
```

Cleanup — Delete Resources & State Verification

- cleanup_destroy_resources.png

```
aws_internet_gateway.myapp_igw: Still destroying... [id=igw-070fbb55e26eb4f95, 40s elapsed]
aws_instance.myapp-server: Still destroying... [id=i-04a4d71acbe72b02c, 50s elapsed]
aws_internet_gateway.myapp_igw: Still destroying... [id=igw-070fbb55e26eb4f95, 50s elapsed]
aws_instance.myapp-server: Still destroying... [id=i-04a4d71acbe72b02c, 1m0s elapsed]
aws_internet_gateway.myapp_igw: Still destroying... [id=igw-070fbb55e26eb4f95, 1m0s elapsed]
aws_instance.myapp-server: Still destroying... [id=i-04a4d71acbe72b02c, 1m10s elapsed]
aws_internet_gateway.myapp_igw: Still destroying... [id=igw-070fbb55e26eb4f95, 1m10s elapsed]
aws_internet_gateway.myapp_igw: Destruction complete after 1m18s
aws_instance.myapp-server: Still destroying... [id=i-04a4d71acbe72b02c, 1m20s elapsed]
aws_instance.myapp-server: Destruction complete after 1m21s
aws_subnet.myapp_subnet_1: Destroying... [id=subnet-08b0c0f3af59e01eb]
aws_key_pair.ssh-key: Destroying... [id=serverkey]
aws_default_security_group.default_sg: Destroying... [id=sg-0df02e55dc27c1e34]
aws_default_security_group.default_sg: Destruction complete after 0s
aws_key_pair.ssh-key: Destruction complete after 1s
aws_subnet.myapp_subnet_1: Destruction complete after 1s
aws_vpc.myapp_vpc: Destroying... [id=vpc-02f4318e1b6de175b]
aws_vpc.myapp_vpc: Destruction complete after 1s

Destroy complete! Resources: 10 destroyed.
```

- cleanup_state_files.png

```
NayabKhazin653 /workspaces/Lab12 (main) $ cat terraform.tfstate
{
  "version": 4,
  "terraform_version": "1.9.5",
  "serial": 87,
  "lineage": "58281ff4-bf6f-2317-3441-125f5206a5a3",
  "outputs": {},
  "resources": [],
  "check_results": null
}
NayabKhazin653 /workspaces/Lab12 (main) $ cat terraform.tfstate.backup
{
  "version": 4,
  "terraform_version": "1.9.5",
  "serial": 74,
  "lineage": "58281ff4-bf6f-2317-3441-125f5206a5a3",
  "outputs": {
    "dev-subnet-arn": {
      "value": "arn:aws:ec2:me-central-1:624150768830:subnet/subnet-0fe04ff180c92d65f",
      "type": "string"
    },
    "dev-subnet-id": {
      "value": "subnet-0fe04ff180c92d65f",
      "type": "string"
    },
    "dev-vpc-arn": {
      "value": "arn:aws:ec2:me-central-1:624150768830:vpc/vpc-092c303b53fe9afa2",
      "type": "string"
    },
    "dev-vpc-id": {
      "value": "vpc-092c303b53fe9afa2",
      "type": "string"
    }
  },
  "resources": [
    {
      "mode": "data"
```