CDEC – B24

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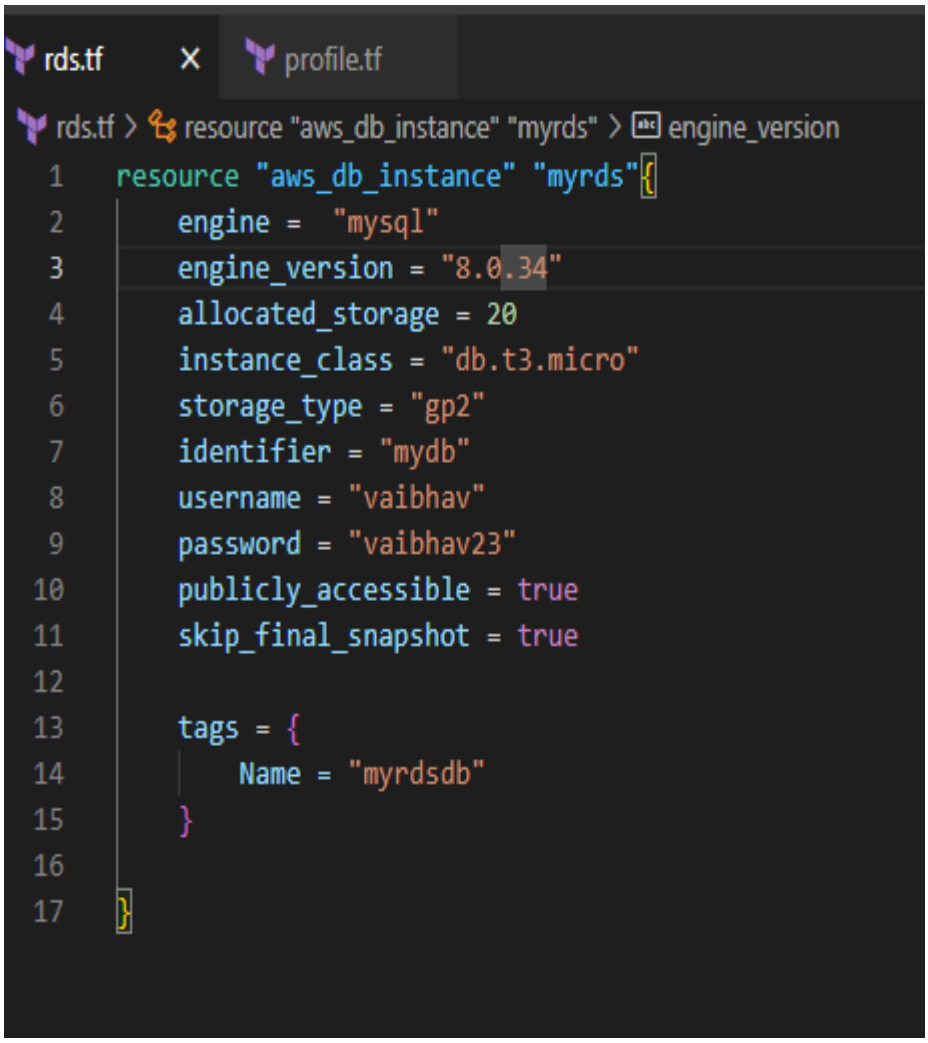
MySQL database on aws rds using Terraform

Write a code



Open terminal and hit the command #terraform init

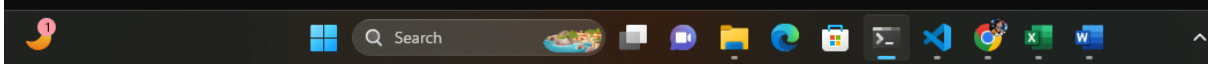
Initialize the file

```
vaibhav@DESKTOP-P3NSBEM:/mnt/c/rds$ terraform init

Initializing the backend...

Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.39.1...
- Installed hashicorp/aws v5.39.1 (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.
vaibhav@DESKTOP-P3NSBEM:/mnt/c/rds$ terraform apply -auto-approve
```

Apply the file in command #terraform apply

And successfully create the Database

```
vaibhav@DESKTOP-P3NSBEM:/mnt/c/rds$ terraform apply -auto-approve

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:

  # aws_db_instance.myrds will be created
  + resource "aws_db_instance" "myrds" {
      + address                               = (known after apply)
      + allocated_storage                     = 20
      + apply_immediately                     = false
      + arn                                   = (known after apply)
      + auto_minor_version_upgrade            = true
      + availability_zone                     = (known after apply)
      + backup_retention_period               = (known after apply)
      + backup_target                         = (known after apply)
      + backup_window                         = (known after apply)
      + ca_cert_identifier                    = (known after apply)
      + character_set_name                    = (known after apply)
      + copy_tags_to_snapshot                 = false
      + db_name                               = (known after apply)
      + db_subnet_group_name                  = (known after apply)
      + delete_automated_backups              = true
      + domain_fqdn                           = (known after apply)
      + endpoint                              = (known after apply)
      + engine                                = "mysql"
      + engine_version                        = "8.0.34"
      + engine_version_actual                 = (known after apply)
          + "Name" = "myrdsdb"
        }
      + tags_all                              = {
          + "Name" = "myrdsdb"
        }
      + timezone                              = (known after apply)
      + username                              = "vaibhav"
      + vpc_security_group_ids                = (known after apply)
    }

Plan: 1 to add, 0 to change, 0 to destroy.
aws_db_instance.myrds: Creating...
aws_db_instance.myrds: Still creating... [10s elapsed]
aws_db_instance.myrds: Still creating... [20s elapsed]
aws_db_instance.myrds: Still creating... [30s elapsed]
aws_db_instance.myrds: Still creating... [40s elapsed]
aws_db_instance.myrds: Still creating... [50s elapsed]
aws_db_instance.myrds: Still creating... [1m0s elapsed]
aws_db_instance.myrds: Still creating... [1m10s elapsed]
aws_db_instance.myrds: Still creating... [1m20s elapsed]
aws_db_instance.myrds: Still creating... [1m30s elapsed]
aws_db_instance.myrds: Still creating... [1m40s elapsed]
aws_db_instance.myrds: Still creating... [1m50s elapsed]
aws_db_instance.myrds: Still creating... [2m0s elapsed]
aws_db_instance.myrds: Still creating... [2m10s elapsed]
aws_db_instance.myrds: Still creating... [2m20s elapsed]
aws_db_instance.myrds: Still creating... [2m30s elapsed]
aws_db_instance.myrds: Still creating... [2m40s elapsed]
aws_db_instance.myrds: Still creating... [2m50s elapsed]
aws_db_instance.myrds: Still creating... [3m0s elapsed]
aws_db_instance.myrds: Still creating... [3m10s elapsed]
aws_db_instance.myrds: Creation complete after 3m19s [id=db-4UVWDEVLMVCA7NFGBS25PCAFNE]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
vaibhav@DESKTOP-P3NSBEM:/mnt/c/rds$
```



Create the Database