

Base on the labs in the Terraform lecture.

Use Terraform to create an infrastructure on AWS that has:

- One public and one private subnets in one availability zone
- One public and one private subnets in another availability zone
- Launch one EC2 instance in each public subnets
- A RDS instance with MySQL engine with all private subnets as its subnet group.
- Web servers' security group opens port 80 from anywhere
- RDS instance's security group opens port 3306 to only web servers' security group
- The name of the EC2 instances are from input variables "instance1_name" and "instance2_name"
- The outputs should have the public IP addresses of EC2 instances and the endpoint of the RDS database

Save your work

Create a new GitHub repository and commit your project to this repository. You could create a new Git repository on your working machine and then commit the project files to it, and then push the local repository up to GitHub.

Terminate application environment

Make sure you clean up the created resources to minimize your AWS bill.

Submitting your assignment

Please submit your GitHub URL on Canvas. Make sure that repository is public or include me as another owner of that repository. I will review your published work on GitHub after the homework due date.