# Assignment lab 6 - Terraform

This assignment will be evaluated and is a part of your end result for the Cloud Computing Lab

*Create a private GitHub repository and add “jorisdieltiens” as a collaborator.*

*Use this repository to save your progress. It is good practice to Commit all working changes to your project (with a clear comment) before starting to add/test new functionality. E.g. Commit the working Terraform project for creating a php EC2 instance (comment: EC2 with php) before trying to add the EC2 in a custom VPC. Make sure your personal information is not committed to the repository!*

*The deadline for the project is 29 november 2020, 23u59. You don’t have to create a report. I will use the latest commit before the deadline in the GitHub repository to grade your project.*

## 

## Available files:

Index.php index file for EC2 instances

Lambda\_function.py lamda function

Image.png stored on S3, public

The infrastructure hosts a php application on 3 EC2 instances (2 in subnet1 and 1 in subnet2) behind a load balancer. The php application will invoke a lambda function (which replies with the EC2 instance IP address) and show an image stored on an S3 bucket.

Use Terraform to create the infrastructure. The Terraform files should work on any account. This means you cannot use manually created resources (like ssh keys, S3 buckets, security groups, policies, …).

* **Don’t forget to “terraform destroy” every time you stop working on this**