

# Cloud Assignment

## Cloud Computing

Project XYZ is the development project that is going to be build and run using the AWS cloud. Currently, we only know the infrastructure requirements of the project. No information regarding what it is or what it does has been disclosed. Everything is on a need-to-know basis. As the developer, we need to perform the following tasks:

- Create an AWS account
- Create a virtual network with 2 subnets. Each subnet should have 16 IPs only.
- One subnet should be public and other should be made private.
- Inside one of the subnets, create a VM and deploy an application code inside it (any existing application created by you before).
- Make sure to use appropriate NACLs and SGs.
- Code which is deployed on the VM must talk to the database (RDS) and ensure communication happens on the private channel.
- Deploy the same application to Elastic beanstalk Service.
- Create a Lambda that should trigger as soon as you upload a file in the S3 bucket.
- Function should be able to print the name of the file uploaded in the function.

### Submission:

- Architecture diagram with networking and security included
- Component descriptions
- Screen shot / screen video of the running demo
- Code zip if any
- Write scope and assumptions as well (if you have any)

\*please stop the services after you are done with testing.