**Exercise:**

1. Signup for a free Github account at [github.com](http://github.com) and create a public git repo entitled “mwb-testing”
2. Create a free AWS Account and create a VPC (private network) followed by launching an EC2 server/instance*(use any Amazon Linux image)* in it. Please choose a “free eligible tier” EC2 instance type so you don’t incur any charges. This will get you some exposure to security groups, instance types, AMIs, etc. Once you’ve done that, please ssh into your server and copy and paste the contents of /var/log/cloud-init.log and commit it as a file to your mwb-testing GITHUB repo. 😊
3. In your AWS account, create an S3 bucket and drop one file into it named helloworld.txt. The file should have the contents “Hello World.” Now make this S3 bucket public and HTTP enabled. This means you should be able to share an HTTP link that you can reach from your browser hosting the file. For example,<http://s3.amazonaws.com/roseaws/helloworld.txt>. Commit the working HTTP link into a filename of your choice (rose.txt) to your mwb-testing GITHUB repo.
4. Using your MAC, install HomeBrew: <https://brew.sh/> and then “brew install terraform” so that you have terraform on your machine. Terraform is a piece of software you can use to write infrastructure as code. Try to write some Terraform code to [launch an EC2 instance](https://github.com/terraform-aws-modules/terraform-aws-ec2-instance/blob/v1.8.0/examples/basic/main.tf) in your AWS account.
   1. Take the working code and remove your AWS access keys and secret keys, and commit that working code to your mwb-testing GITHUB repo. (main.tf)
5. In your exercise completion email, share with me your public GITHUB repo so I can review your answers.

Github:

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AWS:

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VPC:

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EC2:

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SSH to EC2 Instance:

1. Download PEM file from AWS
2. Store it in a new folder (not downloads)
3. Cd into the folder in terminal
4. Text

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5. Change permissions 🡪 chmod 400 mwb.pem (to read only by me)
6. ssh -i "mwbtest.pem" ec2-user@ec2-3-19-60-141.us-east-2.compute.amazonaws.com

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Copy cloud-init.log file 🡪 scp -i "mwbtest.pem" ec2-user@ec2-3-19-60-141.us-east-2.compute.amazonaws.com:/var/log/cloud-init.log .

Paste into github