Github repository

- https://github.com/wardviaene/terraform-course
- Use the download button on the Github website (zip) or git clone this repository

Questions & Support

- Facebook: https://www.facebook.com/groups/840062592768074
- Or just send me a Udemy Message!

AWS Setup

- There is a lecture on how to setup AWS, here are some notes to clarify the setup
- Make sure you have installed the AWS CLI
  - if you use my vagrant devops-box it is included by default
  - otherwise you can download it manually from https://aws.amazon.com/cli/
  - If you're on linux you can also use "sudo pip install --upgrade awscli"
    - If you don't have pip, try sudo apt-get install python-pip
- There is a lecture on how to add an admin user, this need to be done to create an access key and secret key
- Use "aws configure" to enter the keys
  - you can optionally specify a default region - but no worries, in terraform you can set any region you want
  - Use http://www.cloudping.info/ to determine your region
- You can test whether it works by entering: aws iam get-user
  - This will also show your AWS userid which you need afterwards

Useful Commands

```
$ terraform plan                      # plan

$ terraform apply                     # shortcut for plan & apply - avoid this in production

$ terraform plan -out out.terraform   # terraform plan and write the plan to out file

$ terraform apply out.terraform       # apply terraform plan using out file

$ terraform show                      # show current state

$ cat terraform.tfstate               # show state in JSON format
```

Using putty instead of the ssh command

The course is explained using MacOS/Linux. If you rather want to use putty, use the following steps to create your SSH keypair:

1. Download Putty and PuttyGen from http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html
2. Launch PuttyGen and click the "Generate" button to generate a new public/private key
3. You can enter a passphrase or leave it blank
4. Save the public and private keys by clicking the Save public key and Save private key buttons

Reference Documentation

- Download URL: https://www.terraform.io/downloads.html
- AWS Resources: https://www.terraform.io/docs/providers/aws/
- List of providers: https://www.terraform.io/docs/providers/index.html