## Curriculum Runbook

### Short Description

*Using Terraform to setup a webserver and database on Amazon webserver that will host the curriculum website.*

### Required Software

*Terraform*

*Ansible*

*SSH (can be done with Mac/Linux terminal; Windows 3rd party program that can SSH like Putty)*

*Install GIT*

### Architecture Diagram

### Screen%20Shot%202016-12-14%20at%2011.22.16%20PM.png Deployment

-Install Terraform: [www.terraform.io/downloads.html](http://www.terraform.io/downloads.html)

-Setup Amazon web service account.

-Create terraform.tf file with a text editor

-In the file you will write all the code that AWS will need to create the Database and webservers.

-With a terminal up change the directory to the location the terraform.tf file.

-Have terraform deploy the file to AWS.

-After all the servers are deployed, ssh into the bastion instance by using the public DNS of the instance

SSH example:

ssh -i ~/.ssh/cit360.pem [ec2-user@ec2-xx-xxx-xxx-xxx.us-west-2.compute.amazonaws.com](mailto:ec2-user@ec2-xx-xxx-xxx-xxx.us-west-2.compute.amazonaws.com)

-Once you are in the Bastion Instance,

update the instance

-sudo yum update

-Install GIT.

-sudo yum install git

-Clone the git-hub repo

-git clone <https://github.com/________>

Configure all the following files to be able to connect to the webservers created in AWS

db.yml

web.yml

hosts.ini

### Issues

*Use the following format for each issue:*

**Title:** Unable to ssh into bastion without private key

**Description:** *If the private key is not linked when attempting to ssh.*

**Remediation Steps:** *Make sure not to lose private key when creating the instance.*