Curriculum Runbook

Short Description

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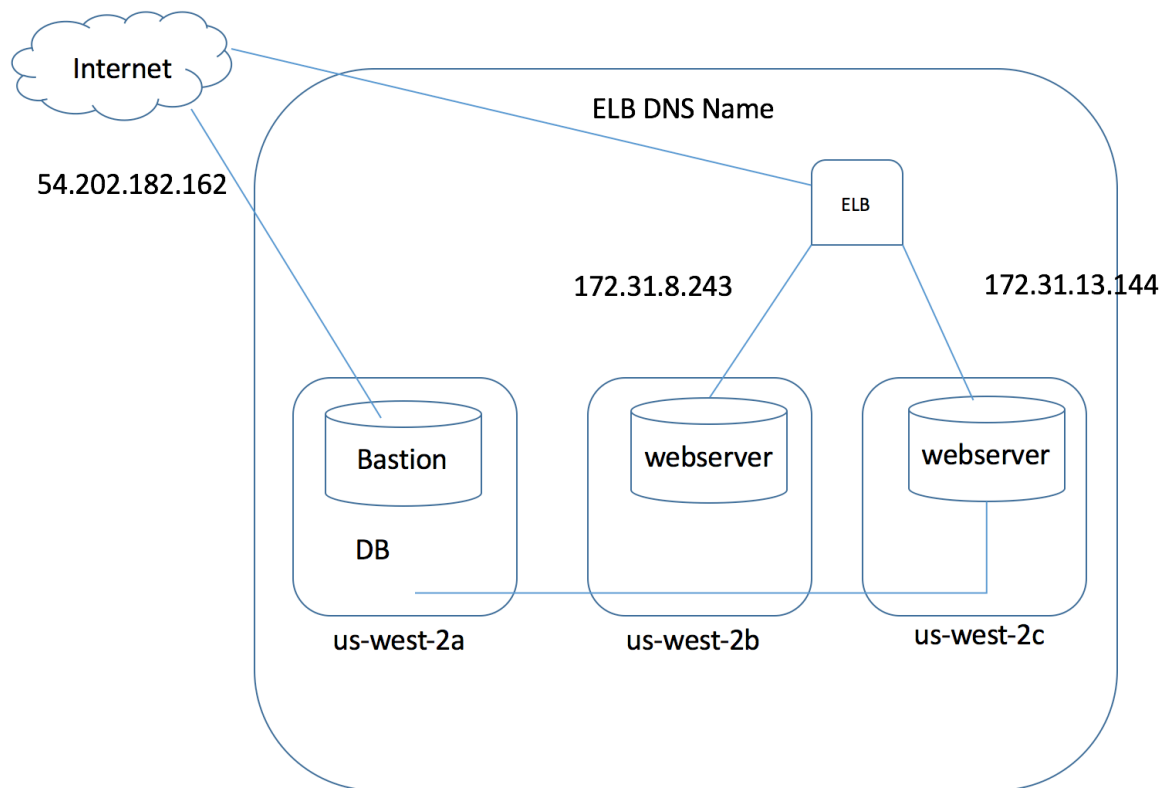
Required Software

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

Architecture Diagram

Internet

ELB DNS Name

54.202.182.162

ELB

172.31.8.243   172.31.13.144

Bastion   webserver   webserver

DB

us-west-2a   us-west-2b   us-west-2c

Deployment

-Install Terraform: 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
-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.*