A close up of a logo

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Terraform Blue/Green Deployments with Lambda Functions

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# Overview

The purpose of this exercise is to demonstrate the use of blue/green deployments. We are using a lambda function to illustrate the point, but this could just as easily be done with individual ec2 instances.

We will create a website running the “blue” code. Then we will switch the website to “green” code.

# Lab 1

1. Open a shell in your WorkSpace
2. Clone a copy of <https://github.com/RoundTower-io/terraform_blue_green.git>  
   A close up of a logo

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3. Change directory (“cd”) into the new directory and initialize Terraform  
   A screenshot of a cell phone

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4. Edit the “variables.tf” file and change “training99” to your training ID (ex “training12”).
5. Do “terraform apply -auto-approve” to create the “blue” version  
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6. Notice the final lines in the output will look something like this  
   A picture containing indoor

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7. The URL listed will be the URL of your website.
8. Copy the URL. To do that, highlight the URL in the terminal with your mouse. Then press <enter>, OR use the menu as shown below.  
   A screenshot of a computer

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9. Paste the URL into a new tab in your WorkSpace browser and press <enter>  
   A screenshot of a cell phone

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10. You should see something like this  
    A screenshot of a cell phone

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11. Now we want to implement our “green” code version. To do that, go back to your terminal and type ‘terraform apply -var="deployment=green" -auto-approve’ and press <enter>  
    A screenshot of a cell phone

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12. Go back to your browser to your URL tab
13. Refresh the page using the refresh icon  
    A screenshot of a cell phone

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14. Your browser should now look something like this  
    A screenshot of a cell phone

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15. Tear down your website by doing “terraform destroy -auto-approve”
16. Make sure it completes. The final like of the output will look something like this  
    A black sign with white text

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