Mission Briefing Zika Epidemic

Mission 3

launch_code

July 20th, 2016

Background

GIS Analysts ramp up Zika analysis prior to Rio Olympics

With the Olympics just 1 month away, GIS analysts are actively monitoring the status of the Zika outbreak in Central and South America. All eyes are on Brazil, where the virus has been spreading rapidly; infecting over 1.5 million people.

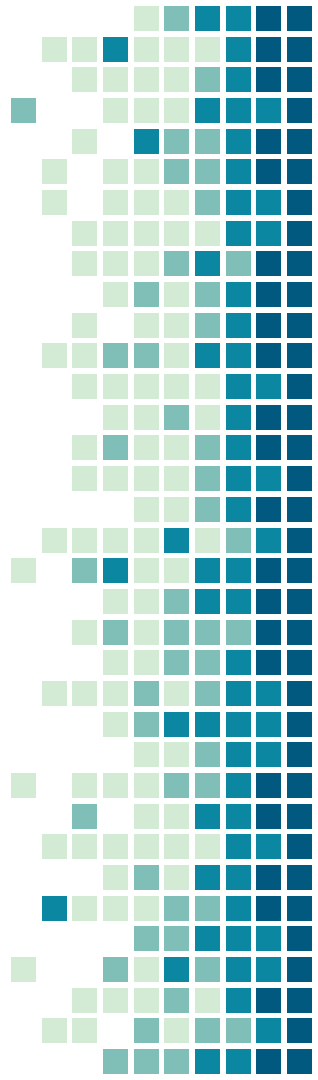*This document is for training purposes only.*
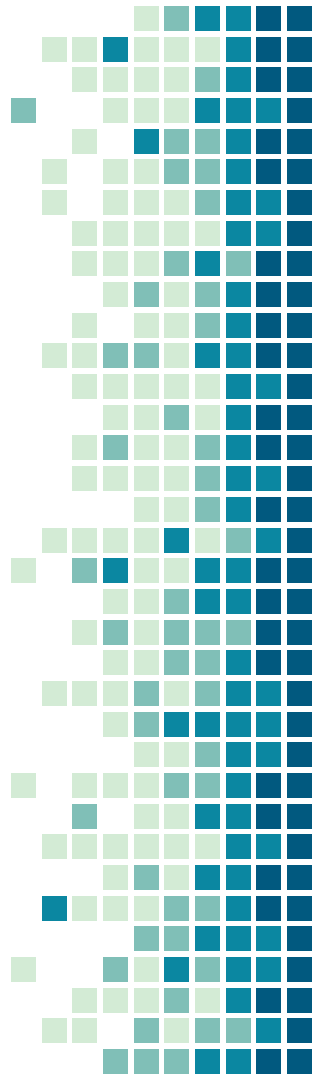
The Problem

The current app server is failing under increased load.

The increased focus on the Zika analysis prior to the Olympics game has placed strain on your web application. Your application is no longer able to sustain the workload from the analysts.

You need to deploy your application so that it is scalable.

Mission Objectives

Scale your application by deploying it on Amazon Web Services.

- Deploy your application remotely using Amazon Web Services.

- Configure your app with a High Availability Elastic Load Balancer and RDS Postgres Database.

- Configure your app to auto scale horizontally under increased load.

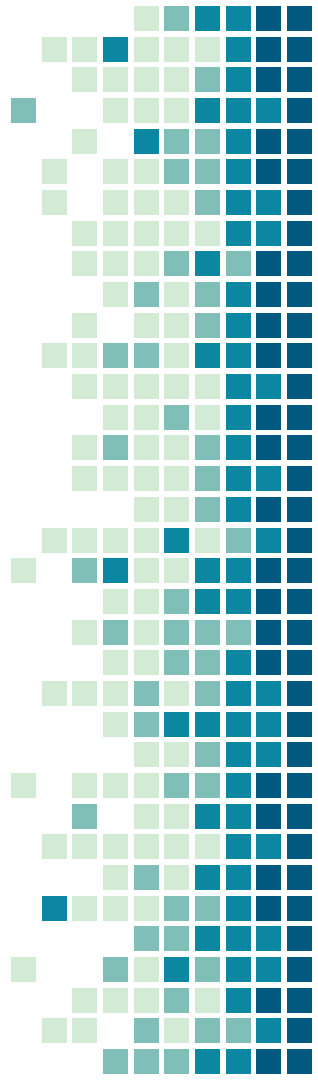- Configure a Jenkins job to automatically build and test your code.

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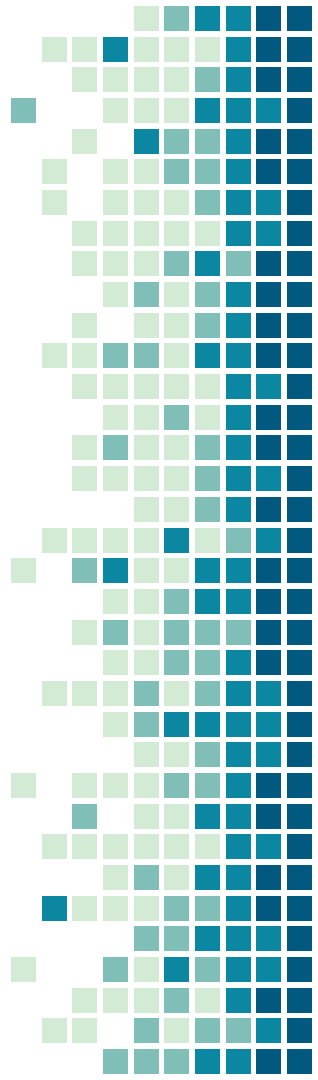
Priorities

Use what you know about Cloud Native applications and "12 Factor Apps" to make your application more robust and scalable.

Schedule

Monday

- 9:30 Standup - What did you do yesterday? What did you do today? Any roadblocks?

Tuesday

- 9:30 Standup - What did you do yesterday? What did you do today? Any roadblocks?

Wednesday

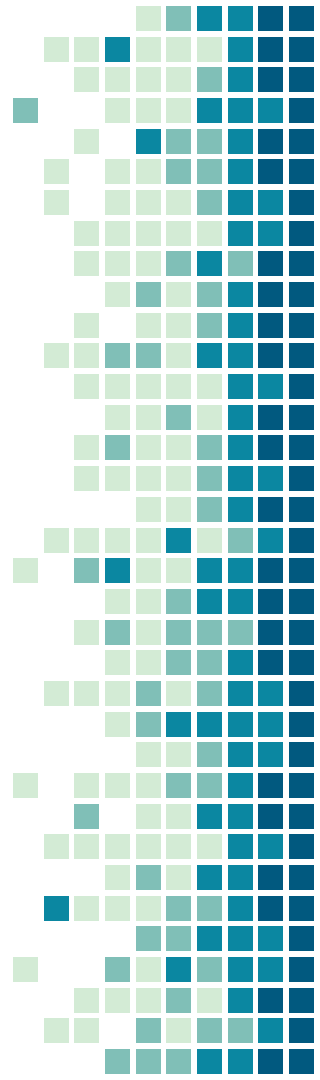- 9:30 Standup - What did you do yesterday? What did you do today? Any roadblocks?

Thursday

- 9:30 Standup - What did you do yesterday? What did you do today? Any roadblocks?

Friday

- 9:30 Standup - What did you do yesterday? What did you do today? Any roadblocks?
- Ship it.

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Questions