DevOps Pipeline

CSC519 - Project

Team: DevOps Knights



The team

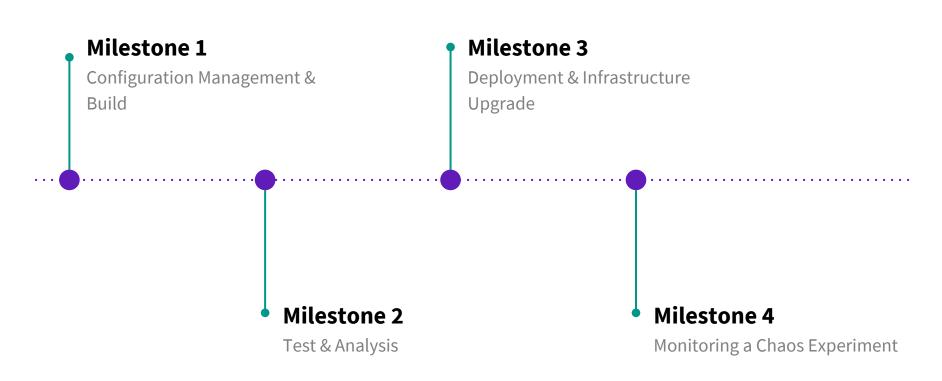
Pushpendra Singh Patel

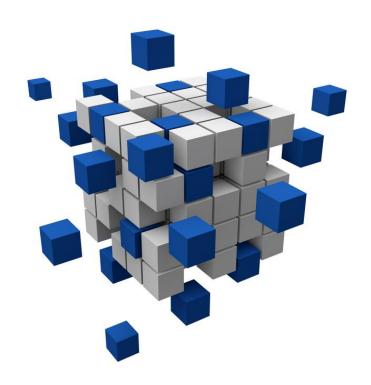
Sayali Godbole

Tanay Kothari

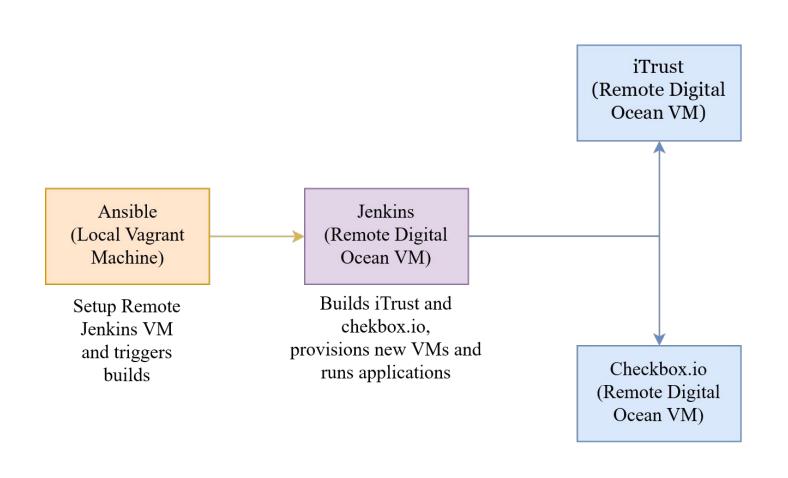
Uddhav Bhosle

The Pipeline





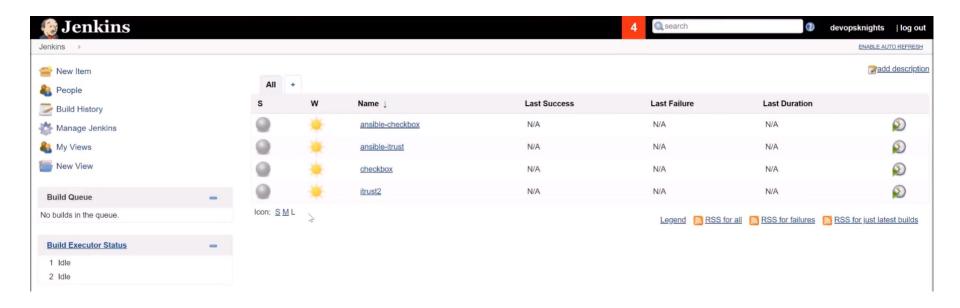
Milestone 1 CM & Build



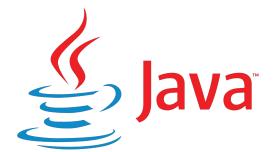
Setting Up Jenkins



Jenkins Job Builder



iTrust



Maven

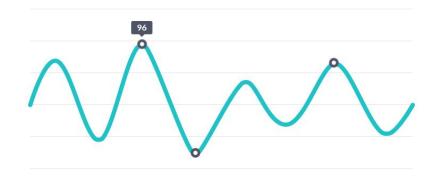


Checkbox.io





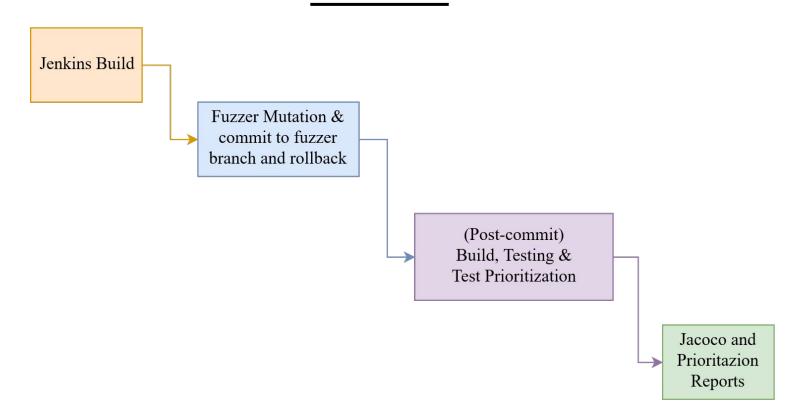




Milestone 2

Test & Analysis

iTrust



Jenkins

fuzzer

Status

Changes

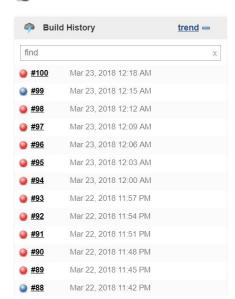
Workspace

Build Now

No Delete Project

Configure

Coverage Trend



Project fuzzer

rebuild itrust job<!-- Managed by Jenkins Job Builder -->

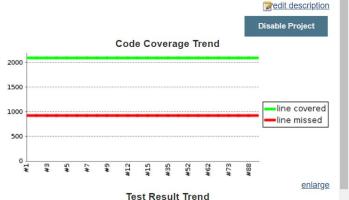




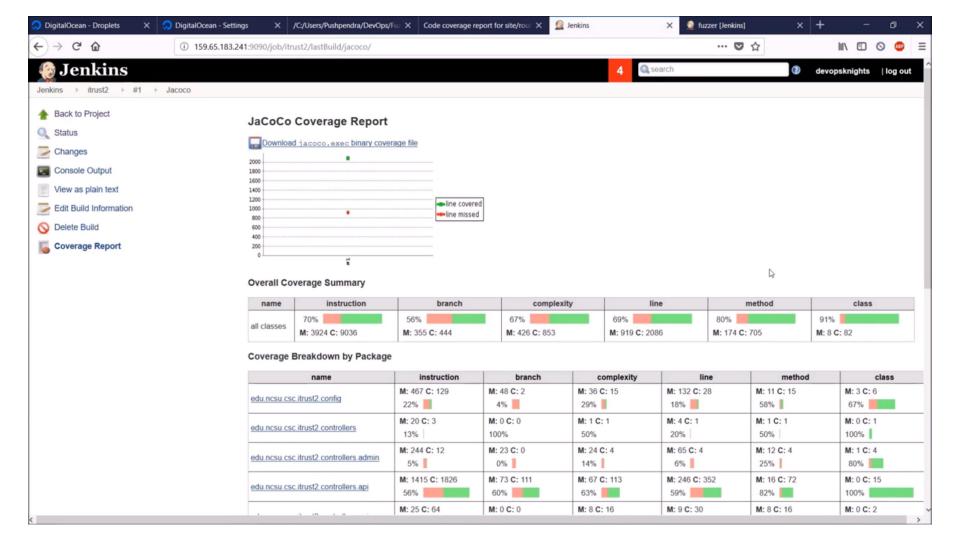


Permalinks

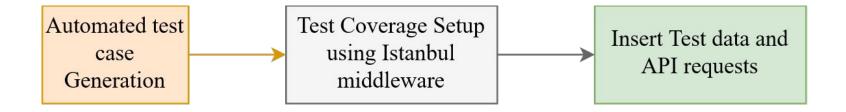
- · Last build (#100), 1 min 25 sec ago
- · Last stable build (#99), 4 min 26 sec ago
- · Last successful build (#99), 4 min 26 sec ago
- · Last failed build (#100), 1 min 25 sec ago
- · Last unsuccessful build (#100), 1 min 25 sec ago
- Last completed build (#100), 1 min 25 sec ago







Checkbox.io







41/41

23/52

50%

50%

1/2

2/4

9/9

3/20

100%

15%

100%

45.1%

41/41

23/51

100%

44.23%

all files site/routes/

studyModel.js

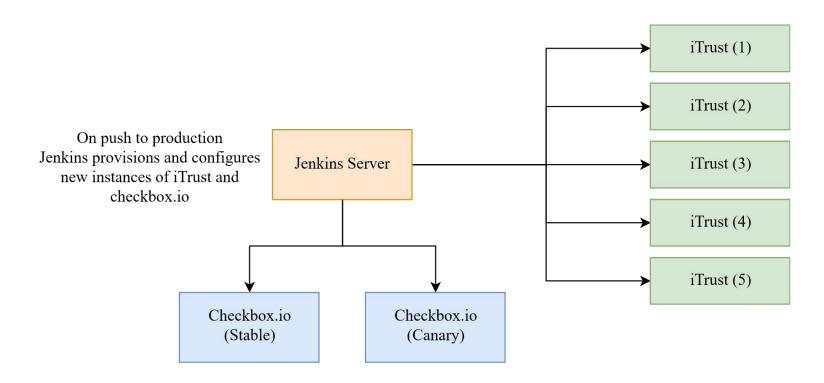
upload.js



Milestone 3

Deployment & Infrastructure Upgrade

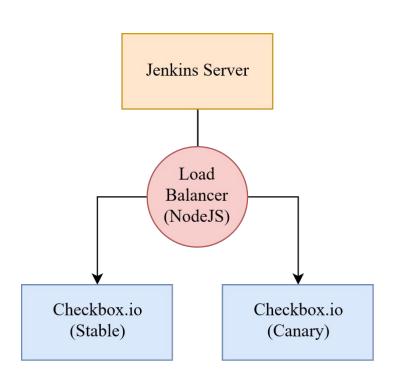
Deployment

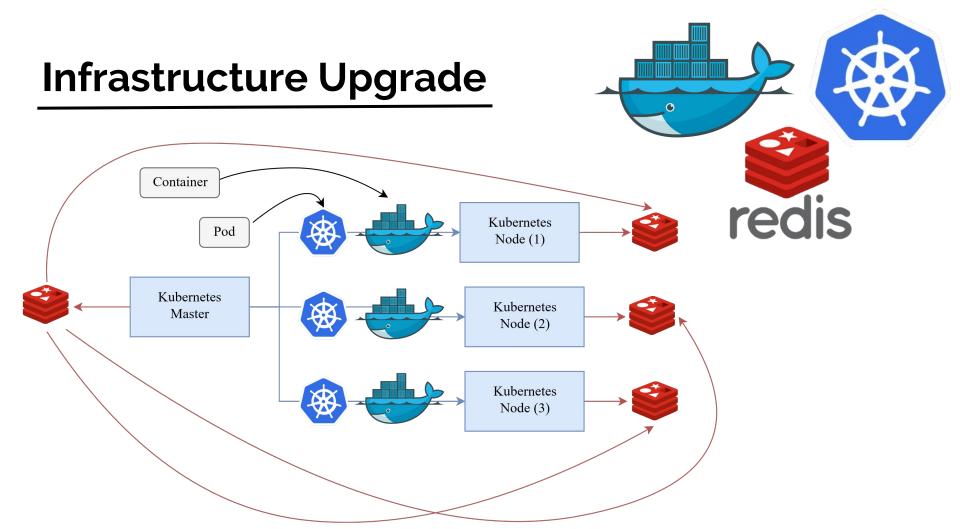


iTrust - Rolling Update



Checkbox.io - Canary Release







Milestone 4

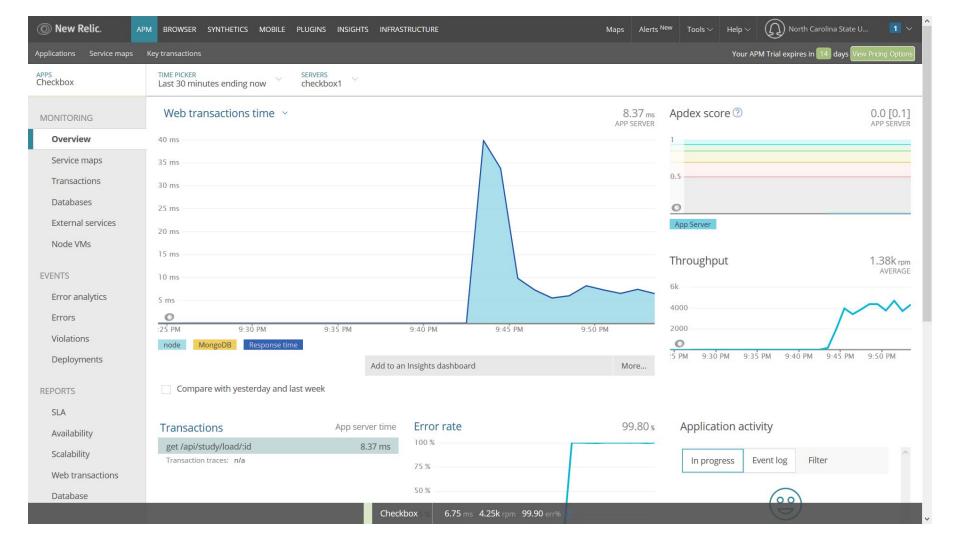
A Chaos Experiment

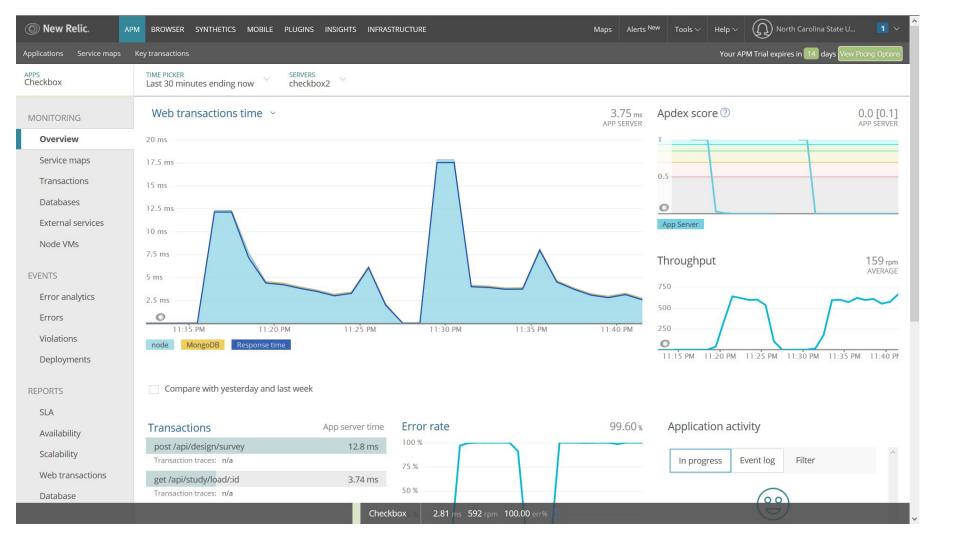
Monitoring & Chaos

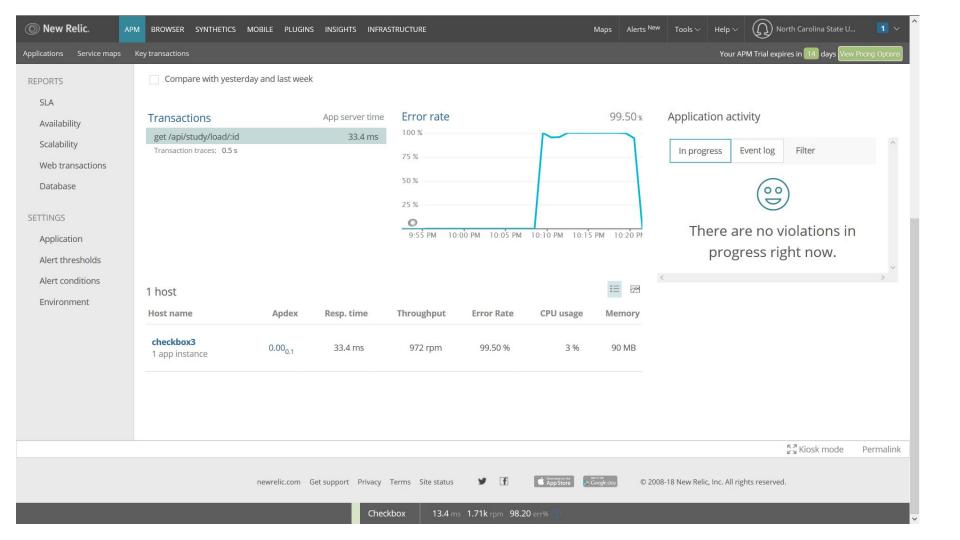
Monkeys for chaos:

- DDOS Monkey
- Mongo Monkey
- Random Monkey









Thank You!