Lecture #08

Campus	Lecture Date	Lecture Recording Availability Date
Boston	06/29/2019	N/A
Online	N/A	06/29/2019

Agenda

- Review Assignment #04 [../../assignments/04/]
- **No class on 07/06/2019**
- **Midterm Exam on 07/13/2019**
- Continuous Deployment (GitHub + CircleCI + Amazon CodeDeploy)
- Discuss Assignment #05 [../../assignments/05/]

Slides

- Continuous Deployment (GitHub + CircleCI + Amazon CodeDeploy)
  [https://northeastern-my.sharepoint.com/:b:/g/personal/tejasparikh_northeastern_edu/ES-1_4BTbAJJsTsQB4hS854Bi80eJJw4CZKx2Q533OSe0w?e=YcEOHu]

Sample CloudFormation Template (EC2 user data)

- https://gist.github.com/tejasparikh/ca0412d16b6afa06b5af9fe1ff7c76d3
  [https://gist.github.com/tejasparikh/ca0412d16b6afa06b5af9fe1ff7c76d3]

Lab

- Continuous Deployment [../../lab/cicd/]

Reading

> ✏️ **Note**
>
> Access ACM articles using ACM Digital Library
> [https://library.northeastern.edu/research/resources/items/acm-digital-library]

- Manual Work is a Bug [https://queue.acm.org/detail.cfm?id=3197520]

- Continuous Delivery Sounds Great, but Will It Work Here?
  [https://queue.acm.org/detail.cfm?id=3190610]

- AWS CodeDeploy AppSpec File Reference
  [http://docs.aws.amazon.com/codedeploy/latest/userguide/app-spec-ref.html]

- AWS CodeDeploy
  [http://docs.aws.amazon.com/codedeploy/latest/userguide/welcome.html]

- AWS CloudFormation - AWS::IAM::User Resource Type
  [http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-
  properties-iam-user.html]

- Using an IAM Role to Grant Permissions to Applications Running on Amazon
  EC2 Instances
  [http://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_use_switch-role-
  ec2.html]