Schedule and outline

Texts

- [DevOps for Web Development](#) (Abbreviated as DWD below)

Week 1

- Topics:
  - TCP/HTTP Review / Name-based vs ip-based hosting
  - Apache
  - NGINX
  - IIS
- Readings:
  - [Apache name-based](#)
  - [Apache ip-based](#)
  - [Virtual Host in depth](#)
- Slides
- Slides
- Slides
- [Nginx Howto](#)
- [IIS Howto](#)
- [Register AWS](#)
- [EC2 Create](#)
- Slides
- Assignment

Week 2

- Topics:
  - SSL
- Readings:
  - [EC2 Allow Firewall](#)
  - [Easy SSL](#)
  - [Easier SSL - Lets Encrypt](#)
- Assignment
- Assignment
- Slides

Week 3

- Topics:
  - Continuous Deployment & Integration
  - Git
  - Finish SSL
Week 4

Topics:
- GIT
- Continuous Deployment & Integration

Readings:
- Git intro
- DWD-ch 2

Week 5

Topics:
- Jenkins

Readings:
- DWD-ch 2
- DWD-ch 3

Week 6

Topics:
- Jenkins - Deployment to Tomcat

Exam 2

Week 7
• Topics:
  - Vagrant

• Slides

• Slides

• Assignment

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**Week 9**

• Topics:
  - AWS vagrant

• Slides

• Aws notes

• Vagrant and AWS Screens

• AWS AMI Screens

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**Week 10**

• Topics:
  - Google Cloud Platform
  - Automated Configuration (Configuration Management)
  - Ansible

• Readings:
  - [How ansible works](#)
  - Benefits of CM
  - Ansible Getting Started (Also covered in my slides)

• Slides

• GCP Screens

• Assignment

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**Week 11**

• Topics:
  - Ansible Playbooks

• Readings:
  - [Ansible Playbooks Intro](#)
  - More about playbooks

• Slides

• Assignment

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**Week 12**

• Topics:
  - More ansible
  - Vagrant + Ansible

• Assignment

• Assignment
Week 13

- Exam 3