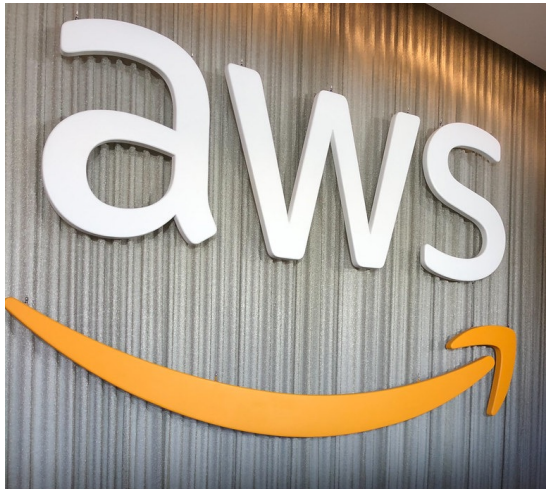
Cloud Computing Architecture

Week 8 Intro



SWINBURNE UNIVERSITY OF TECHNOLOGY

Typical Week

Watch Lecture Videos for the week before your first class

Attend every Q&A session – useful assessment tips

Attend every Lab

- Read Entire Instructions before Class
- Start working on assignments and preparing for tests early

Typical Week

Consultation

- Every Teaching Week
- Underutilised

Discussion Board on Swinburne Canvas

- General questions

Lectures to watch

Swinburne Lectures

- High Level Overview
- Needed to pass

AWS Academy Lecture Videos

- Deep Dive
- More Topics and More Depth
- Aiming for high marks
- Prepare for certification

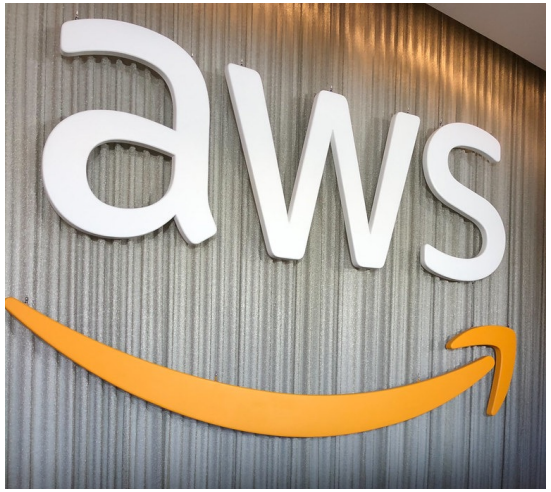
This Week's Lecture

SWINBURNE UNIVERSITY OF TECHNOLOGY

Week 8 Intro

This presentation:

- HA through Load Balancing and Scaling
  - More on Load Balancing
    - Multi Load Balancer Pattern
  - Elastic IP addresses
  - More on AutoScaling
  - Scaling Data Stores
  - AWS Lambda and Event-Driven Scaling
- Automating Infrastructure
  - Why automated Infrastructure?
  - CloudFormation
  - CloudFormation Template anatomy



Next week

SWINBURNE UNIVERSITY OF TECHNOLOGY

Next Week

- Loose Coupling
- Message Driven Architectures
  - SQS
- Event Driven Architectures
  - SNS
- Serverless and event-driven applications

Lecture References

Recommend Viewing

Swinburne Lecture – High Level Overview

AWS Academy – Deeper dive