

Enterprise Performance Architecture

Introduction



Overview of the Module

Topics

- Week 1 - Introduction & Enterprise Architecture Review
- Week 2 & 3 - Enterprise Integration Patterns
- Week 4 - Enterprise Disaster Recovery
- Week 5 - Building Enterprise HA
- Week 6 - Event Driven Scaling
- Week 7, 8, 9 - Mathematical Models of Performance
- Week 10 - Serverless Architectures
- Week 11 & 12 - Infrastructure as Code
- Week 13 - Revision Topics

Module Structure

- There are 13 weeks in the semester
- 2 hr lecture, 1 hour lab.
 - Labs goal-based are self-directed study based on individual or team activities
- Breakdown of marks: 40% CA, 60% Exam
- 2 x CAs Week 5 & Week 10 (20% + 20%)

Reading Materials

- AWS 2013, Amazon Elastic Compute Cloud Documentation, Amazon Elastic Compute Cloud Documentation
- Pro Bash Programming Scripting the Linux Shell Publisher: Apress By: Chris Johnson ISBN: 978-1-4302-1997-2 Year: 2009
- O'Reilly Media 2015, Infrastructure as Code: Managing Servers in the Cloud, 1 Ed., O'Reilly Media [ISBN: 1491924357]