



Fundamentals of Secure Cloud Development (COD 152)

BUNDLING AND PRICING:

Curriculum: This course will be part of a new upcoming Cloud bundle, which will include the AWS Foundations and Azure Foundations, both of which will be released in Q4 2013.

Pricing: \$450 single class, per user.

Target Audience: Cloud application developers including the different series models (IaaS, PaaS, and SaaS).

ABOUT OUR COURSE:

Course Length-1.5 hours, 70 slides

Prerequisite: None

Course Description

This course introduces developers to the common risks associated with Cloud applications, including the security features of the different service models (IaaS, PaaS, and SaaS), how to identify and mitigate the most common vulnerabilities, the unique security challenges of “Big Data”, and how to apply the Microsoft SDL to cloud applications. Threat coverage includes unauthorized account access, insecure APIs, shared technology, data leakage, and account hijacking, as well the importance of complying with regulatory requirements. With knowledge checks throughout, the student who completes this course will have an understanding of cloud computing threats and risks, and the programming principals to use to address them.

Course Objectives:

- Understand cloud computing characteristics, service models, deployment models, and regulatory requirements.
- Identify the risks and threats associated with cloud computing.
- Identify the “Big Data” security risks associated with cloud computing.
- Explain how to safeguard against the misinformation of cloud computing myths.
- Identify the best practices for secure cloud application development.
- Examine Identity and Access Management (IAM) technologies with a close look at dealing with security within Amazon Web Services.