

Workshop on Cloud Security

Abstract:

This workshop will provide Participants with overall understating of multi-level cloud security issues along with security design considerations in building secure cloud systems. The workshop will also explore cloud computing security taxonomies under two categories: 1. Architectural & technological security taxonomy & 2. Process & governance-related security taxonomy. Participants will gain knowledge on various factors involved in building a successful IDS security system for virtual machine monitoring in a cloud environment. Through hands-on experiments, participants will be exploring the Server/Agent OSSEC configuration on a virtualized environment. Further, this course explores the currently available cloud security solutions and industry best practices. During the training of this course, participants will also acquire knowledge about the key concepts of Security as a Service (SECaaS), CSA's Enterprise Architecture with a focus on its SRM (Security and Risk Management), perimeter defense security systems for cloud infrastructure, and cloud security administration best practices.

Highlights of the workshop on Machine Learning:

- Cloud Computing: A Quick Review
- Cloud Computing: General Problems, Threats and Vulnerabilities
- Cloud Computing Security Taxonomies
- Cloud Security from User and Service Provider Perspective
- Cloud Security Solutions