



Cloud Computing Security

Training Name	Cloud Computing Security
Product Code	CC-SEC-00
Duration	Three days onsite training.
Who will benefit from this training?	CIO's, Security Officers, Risk Managers, IT Compliance and Auditors interested in exploiting the security and compliance issues relating to the Cloud.
Prerequisites and background	General knowledge of information security is required.
Overview	This training provides a comprehensive analysis of security issues associated with the cloud. It will allow you to analyze, manage and implement security solutions for risks associated with public and private clouds. The training focuses on networks, operating systems and application protection in various cloud deployment scenarios.
Training Content	<p>Module 1 – Cloud Computing Overview</p> <ul style="list-style-type: none"> - NIST Reference Architecture demystified. - Evolutions to the cloud. - Service models (IaaS, PaaS, SaaS) and deployment models (private, public and hybrid). <p>Module 2 –Enterprise Risk Management for the Cloud</p> <ul style="list-style-type: none"> - Risk analysis of the cloud (ENISA paper). - Operational security considerations.



- Incident response, notification, and remediation.

Module 3 – Governance and Compliance

- Security considerations in SLA's with cloud providers
- Compliance with Government Regulations and International Standards.

Module 4 – Applications and Infrastructure Security

- Evaluation security features in cloud service providers offerings.
- Addressing public cloud risks.
- Comparing security features in SaaS products.
- Data protection in PaaS.
- Server protection and hardening.
- Network security in the cloud

Module 5 – Identity and Access Management

- IAM solutions overview.
- Integrating cloud authentication /authorization systems.

Module 6 – Business Continuity and Disaster Recovery

- Addressing cloud service providers in DRP.
- Distributing data across multiple clouds for availability and performance.
- Data portability and interoperability for a change in cloud providers.

Module 7 – Virtual Private Cloud (VPC)

- VPC vs. private cloud.
- Hybrid cloud security issues.

Number of attendees

10 participants

