



Brit Certifications and Assessments UK

(UK Regd# 14133361)

ISO27017 - Lead Cloud Security Manager

Cloud Security undoubtedly the best bet in the information technology for the moment. With the companies moving towards the cloud, from the on premises or towards their private cloud, it is highly imperative that security on the cloud is of paramount importance. This training program highlights the most practical approach towards cloud security. This delivery is in line with ISO27017 guidelines.

This training and curriculum is carefully chosen and designed by prominent cloud security experts in UK. This training is designed for used only by Brit Certification and Assessments (BCAA)

This training is intended for,

1. Information Security manager
2. Chief Information Security officer
3. Cloud Security Manager
4. Chief Risk Officer.
5. And all IT and IT Security management staff's
6. Security consultants
7. Security auditors

Objectives:

1. Learn the pragmatic cloud security
2. Gain the best of knowledge on cloud security

Agenda:

1. Introduction to Cloud Computing
2. Existing Taxonomies and Models
 - a) Service models
 - b) Deployment models
 - c) Hybrid Cloud
3. The security balance
 - a) Security benefits
 - b) Data centre security
 - c) Improved resilience
 - d) Improved security patching
 - e) Automation and DevSecOps
 - f) Security expertise
 - g) Knowledge sharing and situational awareness
 - h) Improved information sharing mechanisms
 - i) Renewal of security architecture and segmentation
 - j) Potential pitfalls
 - k) Availability
 - l) Shadow IT
 - m) Information leakage
 - n) Lock-in
 - o) Multi-tenancy
 - p) Visibility
 - q) Inflexible and/or inadequate terms and conditions
4. Security threats associated with Cloud computing
 - a) Cloud provider staff
 - b) Image/application providers
 - c) Equipment manufacturers
 - d) Competitors
 - e) Crackers/hackers



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- f) Insiders
 - g) Governments
 - h) Transport agents
 - i) Identity providers
 - j) Attribute providers
 - k) Cloud brokers
5. Privacy and regulatory concerns
- a) Data protection issues
 - b) Payment card industry issues
 - c) Financial services and the Cloud
6. Introduction to security architecture
- a) What is security architecture?
 - b) What is a service?
 - c) Architectural layers
 - d) Advantages of security architecture
7. Application of security architecture to cloud computing
- a) Security Reference Model
 - b) Security service descriptions
 - c) Service levels and contracts
 - d) Service models and the Security Reference Model
 - e) IaaS
 - f) PaaS
 - g) FaaS
 - h) SaaS
8. Security and the Cloud
- a) Existing guidance
 - b) Common security services
 - c) Hosting
 - d) Compliance
 - e) Security governance
 - f) Cloud deployment models
9. Security and Infrastructure as a Service
- a) IaaS and the SRM
10. Security and Software as a Service
11. Security and Function as a Service
12. Enterprise Cloud Security perspective.

Training duration: 4 days

Examination: Online and paper based. MCQ of 40 questions

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