

# Cloud Computing Auditing

**“Lack of cloud resources and expertise are cited as the # 1 barrier to cloud adoption and a major concern when it comes to the successful running and management of cloud environments.”**



# Cloud Computing Auditing

The Cloud Computing Auditing (CCA) course is designed to help the candidate demystify Cloud auditing. The course provides the “know-how”, step-by-step procedures, checklists, resources and tools to help candidates prepare and adequately execute on their next audit of Cloud-based solutions, services or environments.

The need to up-skill Cloud Auditors is imperative as Cloud adoption and the risks associated with integrated, hybrid IT solutions and environments augments.

The Cloud Computing Auditing Training will enhance the

candidate’s career by providing a set of globally accepted standards for assessment, auditing, monitoring and control of Cloud-based solutions, services and environments.

**“Assessing Cloud risks and reporting on Cloud specific compliance and institutional controls is becoming more evident and challenging”**



# Quick Facts

## Challenges

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An ISACA and CSA study highlighted that the most significant Cloud concerns involve security and international data privacy requirements, data custodianship, legal and contractual issues, provider control over information, and regulatory compliance.

## Auditing

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Audits and certifications are the traditional security assurance tools that are used to determine whether a service provider is in compliance with a set of security controls, but these tools may not be adequate for users in a Cloud ecosystem who need to demonstrate a greater level of assurance for compliance

purposes.

ISACA

## The Right Fit

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ISACA and the CSA found that the difference in importance between performance and financial benefits is more evident when comparing responses of SMEs and large enterprises.

## Deployment

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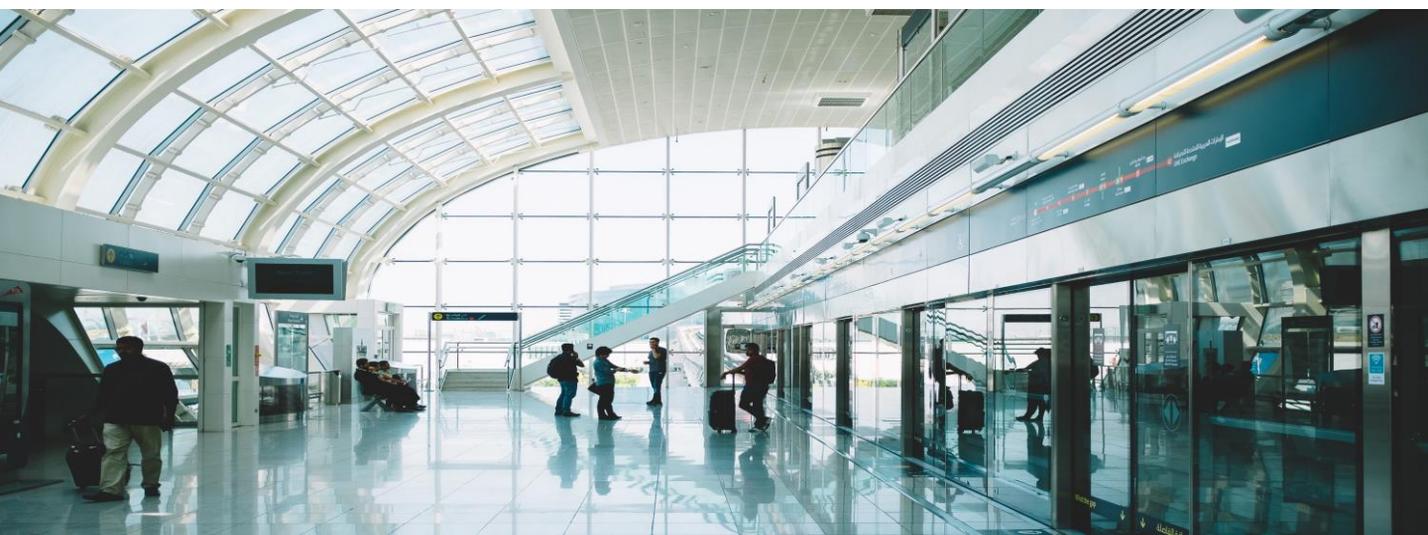
The ISACA and CSA study concluded that SaaS remains the most adopted type of cloud service. PaaS experiences the biggest growth in adoption.

# Training Highlights

The **Cloud Computing Auditing (CCA)** Training course equip and empower individuals to conduct an audit (assurance assessment) of Cloud-based solutions, services and environments.

Key learning objectives include:

- Understanding of the fundamental concepts, key terminology and principles of Cloud Computing.
- Description of the business benefits of Cloud Computing and identification of challenges and solutions for Cloud specific risks.
- Understanding of Governance, Risk, Compliance & Regulation (GRC&R) concepts and requirements.
- Description of the application of GRC&R on Cloud-based solutions, services and environments.
- Understanding of the fundamental concepts, meaning of and the key steps in performing a Cloud Audit.
- Identification the key steps in the Planning and Scoping of the Cloud Audit.
- Identification of the key steps and tools needed to obtain an understanding of the Cloud environment.
- Understanding of Cloud assurance, compliance and security and identification of the risks involved in Cloud Computing as well as the risk mitigation measures.
- Description of how to evaluate the Cloud environment and execute a Cloud Audit.
- Identification of the key components of report writing, follow-up and closure of the Cloud Audit.
- Consideration of tools and frameworks to enable the efficiency and appropriate execution of a Cloud Audit.



## ABOUT MARIANA CARROLL CONSULTING

**Mariana Carroll Consulting** is a specialist Information Technology consulting and training firm with a particular focus on Emerging Technologies. Our expertise lies in the understanding of the Information Technology sector, with a strong focus on Africa. We pride ourselves in being able to create innovative, fit-for-purpose consulting and training services and solutions that work within this context, while still maintaining global best practice standards.

**Mariana Carroll Consulting** is a value-adding partner that brings together insights, tools and support services. We help our clients make better, informed business decisions using our three core service streams of Inform, Enable and Support.

- **Inform:** We inform our clients by providing them with market-leading Emerging Technology-related insights. These insights help them to stay abreast of market trends and assist them to make informed decisions about the correct, tailored solutions for their business.
- **Enable:** We equip our clients through a comprehensive collection of value-based, fit-for-purpose innovative tools and programs that enable them to drive adoption and build capability to quickly respond to business challenges. This includes a comprehensive Cloud training portfolio.
- **Support:** We support our clients with unparalleled expertise and fact-based consulting services to help them choose, optimally use and effectively manage Emerging Technologies in their organization.

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