

# Cloud Computing Auditing

Syllabus

Lead Author: Dr. Mariana Carroll

# Table of Contents

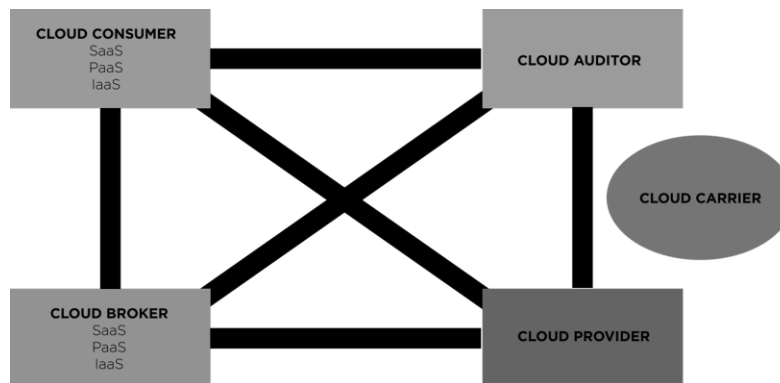
The Market demand for Cloud Auditors:.....	3
Who is the Training for?.....	4
Syllabus - Cloud Computing Auditing.....	4
• Module 1: Introduction and course objective.....	4
• Module 2: Cloud Computing fundamentals.....	4
• Module 3: Governance, Risk, Compliance & Regulation .....	4
• Module 4: Cloud Auditing overview .....	4
• Module 5: Step 1 - Planning and scoping.....	4
• Module 6: Step 2 - Understanding.....	4
• Module 7: Step 3 - Evaluation and execution.....	4
• Module 8: Step 4 - Reporting, follow-up and closure.....	4
Key learning objectives.....	5
Recommended duration of the Course.....	5
Recommended delivery structure .....	5
About Mariana Carroll Consulting .....	6

## What is the Cloud Computing Auditing Training?

The Cloud Computing Auditing (CCA) Training course is designed to help the candidate demystify the review and assessment of Cloud-environments. 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.

Partaking in the CCA Training would solidify the candidate’s Cloud Audit knowledge and demonstrate that they are capable to assess Cloud risks and report on Cloud specific compliance and institutional controls.

## The Market demand for Cloud Auditors:



The lack of Cloud resources and expert skills are cited as the number one barrier to Cloud adoption and a major concern when it comes to the successful running and management of Cloud environments.”<sup>1</sup>

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.

<sup>1</sup> RightScale 2016 State of the Cloud Report

## Who is the Training for?

- IT auditors
- Governance professionals
- Risk professionals
- Compliance professionals
- IT security professionals
- IT management
- Cloud specialists
- Management consultants

## Syllabus - Cloud Computing Auditing

- Module 1: Introduction and course objective
- Module 2: Cloud Computing fundamentals
- Module 3: Governance, Risk, Compliance & Regulation
- Module 4: Cloud Auditing overview
- Module 5: Step 1 - Planning and scoping
- Module 6: Step 2 - Understanding
- Module 7: Step 3 - Evaluation and execution
- Module 8: Step 4 - Reporting, follow-up and closure

## Key learning objectives

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

## Recommended duration of the Course

- 3-days

## Recommended delivery structure

- Classroom
- Virtual Classroom
- Online/eLearning
- Blended

# 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.

VISIT US @ [marianacarroll.com](http://marianacarroll.com) FOR MORE INFORMATION



Any questions or comments? Please do not hesitate to contact us at [mariana@marianacarroll.com](mailto:mariana@marianacarroll.com)