



CCC - Cloud Technology Associate

Certificate: Cloud Technology Associate Certificate

Duration: 2 Days

Course Delivery: Classroom / Virtual

Language: English

Credits: 16

Course Description:

The industry-recognized CCC Cloud Technology Associate certification ensures you obtain the basic skill set and knowledge of Cloud and virtualization needed to make an impact. This is done through its strong emphasis on the importance of exchanging experiences and information gathered on the topics in discussion. The activities included not only add context to the content but also help you build the required confidence to apply the knowledge in practical scenarios.

Once the certification exam is passed, you are awarded a diploma and digital badge officially recognizing you have achieved the CCC Cloud Technology Associate certification and are now a member of the Cloud Credential Council's global community.

Course Outline:

Module 1: Course Introduction

- Let's Get to Know Each Other
- Overview Course Objectives
- Course Agenda
- Type of Activities
- Exam
- Course Book

Module 2: Introduction to Cloud Services Model

- Module Objectives

- Review Traditional Computing Challenges and Concerns
- Cloud Computing Concepts, History, and Definitions
- Cloud Computing Benefits and Challenges
- Cloud Reference Architecture and Common Terminologies
- Activity - Identifying Cloud Service/Deployment Model

Module 3: Introduction to Virtualization: The Backbone Technology of Cloud Computing

- Module Objectives
- Virtualization: Definition, Concepts, History, and Relationship to Cloud Computing
- Virtualization: Benefits, Challenges, Risks, and Suitability to Organizations
- Hypervisor: Role and Purpose in Virtualization and Various Types of Hypervisor
- Virtualization: Terminologies/Features
- Virtualization: Different Types of Virtualization
- Activity – Identifying Virtual Machines and Containers

Module 4: The Role of Cloud and Other Technologies in Digital Transformation

- Module Objectives
- Big Data Analytics, Hadoop, and NoSQL
- Internet of Things
- Activity - Internet of Things (Simulated Hands-on Lab)
- DevOps
- Activity - DevOps Culture - Patterns and Anti-Patterns
- Artificial Intelligence and Machine Learning
- Activity - Machine Learning

Module 5: Cloud Security, Risk, Compliance and Governance Module Objectives

- Security, Risk, Compliance and Governance Definitions
- Impact of Cloud Essential Characteristics
- Impact of Cloud Service ModelsImpact of Cloud Deployment Models
- Best Practices and General Cloud Security Recommendations
- Activity - Identifying Cloud Threats and Vulnerabilities

Module 6: Preparing for Cloud Adoption

- Module Objectives
- Cloud Strategy and Roadmap Preparation

- Solution Architectures: For Various Service Models, Deployment Models, and Organizational Capabilities
- Cloud Service Provider, SLA, and Cloud Migration

CCC Cloud Technology Associate jobs include:

- CXO's, Board Members, & Business Operation Heads
- Database Administrators
- Developers
- IT Analysts
- IT Architects
- IT Managers
- IT Provisioning and Maintenance (Hardware, Network, Storage, etc.)
- Project Managers
- System Administrators
- Technology Enthusiasts & Entrepreneurs
- Testers
- Others (Audit, Purchase etc.)

Learning Objectives:

Once you become CCC Professional Cloud Technology Associate-certified, you will be able to:

- Identify the fundamental concepts of Cloud computing and virtualization. This will also include the business benefits of Cloud computing and technical aspects (high-level) of virtualization
- Identify the technical challenges and the mitigation measures involved in Cloud computing and virtualization
- Understand the latest digitization trends associated with Cloud computing
- Define Cloud security and identify the risks involved in Cloud computing as well as risk mitigation measures
- List the steps to successfully adopt Cloud services

Course Agenda:

Day 1/Session 1 - 4.5 Hours

- Module 1 Course Introduction - (10 Minutes)
- Module 2 Introduction to Cloud service Model - (60 Minutes)

- Module 3 Introduction to Virtualization: The Backbone Technology of Cloud Computing - (30 Minutes)
- Break - (30 Minutes)
- Module 3 Introduction to Virtualization: The Backbone Technology of Cloud Computing - (30 Minutes)
- Module 4 The Role of Cloud and Other Technologies in Digital Transformation - (30 Minutes)
- Break - (15 Minutes)
- Module 4 The Role of Cloud and Other Technologies in Digital Transformation - (60 Minutes)
- Debrief / Closing Questions - (20 Minutes)

Day 2/Session 2 - 4 Hours Quick Recap / Queries - (10 Minutes)

- Module 5 Cloud Security, Risk, Compliance, and Governance - (60 Minutes)
- Break - (15 Minutes)
- Module 5 Cloud Security, Risk, Compliance, and Governance - (30 Minutes)
- Module 6 Preparing for Cloud Adoption - (60 Minutes)
- Break - (15 Minutes)
- Module 6 Preparing for Cloud Adoption - (30 Minutes)
- Exam Preparation Tips - (20 Minutes)

Target Audience:

The following departments benefit from CCC Cloud Technology Associate-certified professionals:

- Administrative/Management
- Legal
- Operations
- Research & Development
- Other