



Cloud Technology Associate

Course Information

Certification : Cloud Technology Associate
Duration : 16 hours
Domain : Cloud Computing
Delivery Method : Self-Study eBook

Accreditor : Cloud Credential Council
Available Languages : English
Purchase Options : Pay per Use

Course Description:

The CCC Cloud Technology Associate™ certification demonstrates that participants have the basic skill set and knowledge associated with cloud and virtualization. This certification is a critical step to advance your career as organizations look for qualified Cloud Technology Associates.

The certification allows IT professionals to operate effectively in a cloud environment as they can demonstrate an understanding of the cloud key concepts and its relevant terminology. Furthermore, it provides the foundation needed to successfully complete subsequent vendor-specific training/certification programs and also provides a baseline for the subsequent CCC Professional level certifications.

Audience:

- IT Specialists (Analysts, Developers, Architects, Testing, etc.)
- IT Administrators (System, Database, etc.)
- IT Provisioning and Maintenance (Hardware, Network, Storage, etc.)
- IT Managers
- IT Project Managers
- Others (Sales, Purchase, Audit, Legal, etc.)

Learning Objectives:

When you have acquired the required knowledge from this course, you will be able to:

- Identify the fundamental concepts of cloud computing and virtualization. This will also include 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 the risk mitigation measures.
- List the steps to successfully adopt cloud services.

Prerequisites:

There are no formal prerequisites; however, it is recommended that participants have:

- 6+ months of experience in Internet/web technologies
- Some basic knowledge of storage and network technologies (preferred)

Course Outline:

Course Introduction

Introduction to Cloud Services Model

- Review Traditional Computing Challenges and Concerns
- Cloud Computing Concepts, History, and Definitions
- Cloud Computing Benefits and Challenges
- Cloud Reference Architecture and Common Terminologies

Introduction to Virtualization: The Backbone Technology of Cloud Computing

- 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

The Role of Cloud and Other Technologies in Digital Transformation

- Big Data Analytics, Hadoop, and NoSQL
- Internet of Things
- DevOps
- Artificial Intelligence and Machine Learning

Cloud Security, Risk, Compliance and Governance

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

Preparing for Cloud Adoption

- Cloud Strategy and Roadmap Preparation



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

Exam Preparation Guide Mock

Exam

Exam Information

Exam Description

The Cloud Technology Associate exams are delivered by ITpreneurs. The participants and training organizations can attain the vouchers for the exam through ITpreneurs.

Exam Facts

Delivery	Online and Paper-based
Format	Closed Book
Proctoring	Web proctored / In-class proctored / Test Center
Duration	60 minutes, 15 minutes additional time for non-native candidates
# of questions	40 simple multiple choice (1 mark per question)
Pass Grade	65%

