CLOUD TECHNOLOGY ASSOCIATE

Course Code: 2020

Learn the basic skill set and knowledge associated with cloud and virtualization.

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.

What You’ll Learn

• Identify the fundamental concepts of cloud computing and 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.

Who Needs to Attend

• 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 and Others (Sales, Purchase, Audit, Legal, etc.)

Prerequisites

Suitable for IT professionals with:

• Six or more months of experience in internet/web technologies
• Some basic knowledge of storage, servers and network
CLOUD TECHNOLOGY ASSOCIATE
Course Code: 2020

Virtual Classroom Live Outline

MODULE 1: COURSE INTRODUCTION
At the end of this module, you will be able to:
• Identify the fundamental concepts of cloud computing and 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.

MODULE 2: INTRODUCTION TO CLOUD SERVICES MODEL
At the end of this module, you will be able to:
• List the challenges and concerns for traditional computing methodology.
• Define NIST’s and Gartner’s definition of cloud computing.
• Explain the evolution of cloud computing and list the cloud’s essential characteristics, service models, and deployment models.
• Define NIST’s cloud Taxonomy (service provider versus consumer responsibility model) and Cloud Actors (service providers, consumers, auditors, carriers, brokers).
• Distinguish between traditional and cloud computing models in terms of business value.
• List the cloud computing benefits and its challenges.
• Define the various common cloud terminologies used in cloud computing.

MODULE 3: INTRODUCTION TO VIRTUALIZATION: THE BACKBONE TECHNOLOGY OF CLOUD COMPUTING
At the end of this module, you will be able to:
• Understand the definition, history, and fundamental concepts of virtualization including the relationship between virtualization and cloud computing.
• Understand the benefits, challenges, risks, and suitability of virtualization to organizations.
• Understand what a hypervisor is, its role in virtualization, and different types of hypervisors.
• Identify leading hypervisor manufacturers and service providers who use them.
• Understand various virtualization terminologies.
• Understand briefly about various types of virtualization (server, storage, network, desktop, application).

MODULE 4: THE ROLE OF CLOUD AND OTHER TECHNOLOGIES IN DIGITAL TRANSFORMATION

At the end of this module, you will be able to:
• Understand the concepts of Big Data and Big Data Analytics, Hadoop, NoSQL databases, and their characteristics and types.
• Explain what is Internet of Things (IoT) and its types.
• Explain how cloud computing and DevOps together.
• Understand the latest digitization trends in Artificial Intelligence (AI) and Machine Learning (ML).

MODULE 5: CLOUD SECURITY, RISK, COMPLIANCE AND GOVERNANCE

At the end of this module, you will be able to:
• Understand general definitions of IT security, risk and risk management.
• Understand the role of IT compliance and audits.
• Understand the impact of cloud essential characteristics, cloud service models, cloud deployment models on business value and risk.
• Identify common cloud attack vectors and remediating controls.

MODULE 6: PREPARING FOR CLOUD ADOPTION

At the end of this module, you will be able to:
• Explain typical steps that lead to successful adoption of cloud computing services.
• Describe appropriate solution architectures for various service and deployment models.
• Understand organizational capabilities that are relevant for realizing cloud benefits.
• Understand the roles and capabilities of cloud computing providers, vendors and dependencies on vendors.
• Describe multiple approaches for migrating applications.
Jul 11 - 12, 2019 | 8:30 AM - 4:30 PM EST
Aug 15 - 16, 2019 | 8:30 AM - 4:30 PM EST
Sep 12 - 13, 2019 | 11:30 AM - 7:30 PM EST
Sep 19 - 20, 2019 | 8:30 AM - 4:30 PM EST
Oct 24 - 25, 2019 | 8:30 AM - 4:30 PM EST
Nov 26 - 27, 2019 | 8:30 AM - 4:30 PM EST
Dec 12 - 13, 2019 | 11:30 AM - 7:30 PM EST
CLOUD TECHNOLOGY ASSOCIATE

Course Code: 2020

PRIVATE GROUP TRAINING 2 days

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

Date created: 6/10/2019 12:55:58 PM
Copyright © 2019 Global Knowledge Training LLC. All Rights Reserved.