

CCC Professional Cloud Administrator

Course Summary

Description

The Cloud Credential Council (CCC) Professional Cloud Administrator™ certification provides the necessary knowledge and skills to effectively operate as a Cloud administrator. This professional-level course is particularly relevant to professionals with 2-5 years of experience as administrators.

Cloud computing has become one of the most important buzzwords in our fast-paced world. Its benefits have been recognized by a varied set of professionals and organizations, from reduced costs to collaboration efficiency and scalability. Microsoft, Google, and Adobe are only a few of the major companies using it to great effect.

The interaction between a Cloud environment and the existing network/administrative policies is one of the most challenging management issues to resolve in today's tech world. It's no wonder more and more organizations are feeling pressed to seek competent Cloud administrators to support their digital transformation journey. They are the ones, after all, to configure and maintain the cloud platform as well as master all aspects regarding Cloud provisioning.

The industry-recognized CCC Professional Cloud Administrator certification provides you a hands-on, practical approach to Cloud provisioning for administrators and touches upon all the aspects of administering Cloud services. The training covers best practices on Cloud administration, Open Source, as well as global vendor standards.

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

Objectives

At the end of this course, students will be able to:

- Types of Cloud Environments: Cloud environment controls, hosting, ITO Outsourcing, CoLoc, Onshore, offshore versus Cloud
- Planning for Cloud capacity: Policy management and third party management
- Cloud Administration technology: Virtual networks, storage, and computing, application management in the Cloud
- Security administration, compliance, and certification
- Cloud Provisioning: Capacity Management, Service Desk Management, Cloud provisioning/automation management

Topics

- | | |
|--|---|
| • Cloud Resource Administration and Provisioning | • Cloud Security Fundamentals |
| • Scalable and Elastic Administration | • Federated Controls and Strategies for Multiple Cloud and Non-cloud Administration |
| • Cloud Interoperability & Portability | • Performance Measures, Monitoring and Optimization in Production |
| • Strategic Policy Design for Cloud Usage and Compliance | |
| • Business Continuity Strategies and Disaster Recovery for Cloud | |

CCC Professional Cloud Administrator

Course Summary (cont'd)

Audience

The following departments benefit from CCC Professional Cloud Administrator-certified professionals:

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

CCC Professional Cloud Administrator jobs include:

- Network Administrators
- Senior Operators
- Service Desk Managers
- Systems Administrators

Prerequisites

There are no prerequisites for this course.

Duration

Three days

CCC Professional Cloud Administrator

Course Outline

- I. Cloud Resource Administration and Provisioning*
 - A. Fundamentals of Cloud Administration
 - B. Cloud Workload Analysis and Capacity Planning
 - C. Administering Cloud Technologies
 - D. Cloud Resource Provisioning
 - E. Virtual Storage
 - F. Cloud Marketplaces
- II. Scalable and Elastic Administration*
 - A. Cloud Scalability Administration
 - B. Cloud Elasticity Administration
- III. Cloud Interoperability & Portability*
 - A. The Need for Interoperability and Portability
 - B. Strategic Planning for Interoperability and Portability
- IV. Strategic Policy Design for Cloud Usage and Compliance*
 - A. Policy Management and Control
 - B. Service Level Management
 - C. Metering and Billing Management
 - D. Privacy and Data Management
- V. Business Continuity Strategies and Disaster Recovery for Cloud*
 - A. Business Continuity
 - B. Disaster Recovery
- VI. Cloud Security Fundamentals*
 - A. Fundamental Security Threats
 - B. Cloud Security Administration
 - C. Security Standards
- VII. Federated Controls and Strategies for Multiple Cloud and Non-cloud Administration*
 - A. Federated Identity Management
 - B. Systems Management
 - C. Service Level Management
 - D. Broker Platform
- VIII. Performance Measures, Monitoring and Optimization in Production*
 - A. Lifecycle Management
 - B. Management and Administration Policies
 - C. Monitoring and Reporting
 - D. Infrastructure Benchmarking
 - E. Availability and Performance
 - F. Usage and Accounting