



Cloud Technology Associate

LENGTH

3 days

PRICE (Incl. GST)

\$2450

CLOUD CREDENTIAL COUNCIL AT LUMIFY WORK

The Cloud Credential Council (CCC) is a leading provider of vendor-neutral certification programs that empower IT and business professionals in their digital transformation journey. The CCC has been supporting the professional development of professionals since 2013, and has delivered certifications in over 75 countries across all types of industries and governmental agencies.



WHY STUDY THIS COURSE

Cloud computing is not just a technology, but also a new model for organising, contracting and delivering information technology systems. This model has great potential for benefits but also new risks.

The Cloud Technology Associate (CTA) course defines cloud computing and virtualisation, and explains the benefits and applications. Technology is explained in a vendor neutral way. A lab activity is included which enables participants to understand the cloud in a practical manner. The course is contemporary with the inclusion of latest cloud technologies and applications.

The risks of cloud computing are pointed out as well as ways of managing these risks. In the final part of the course the process of making choices in the adoption process of cloud is explained and cloud service management is broken down into details.

The course is an excellent way to prepare professionals who are considering cloud computing in their organisations.

The course allows IT professionals to operate effectively in a cloud environment as they can demonstrate an understanding of the key concepts and relevant terminology.

Exams are not included with the Cloud Credential Courses at this time.

WHAT YOU'LL LEARN

At the end of this course participants will be able to:

- › Identify the fundamental concepts of cloud computing and virtualisation including business benefits of cloud computing and technical aspects (high-level) of virtualisation

<https://www.lumifywork.com/en-au/courses/cloud-technology-associate/>





Cloud Technology Associate



My instructor was great being able to put scenarios into real world instances that related to my specific situation.

I was made to feel welcome from the moment I arrived and the ability to sit as a group outside the classroom to discuss our situations and our goals was extremely valuable.

I learnt a lot and felt it was important that my goals by attending this course were met.

Great job Lumify Work team.



AMANDA NICOL
IT SUPPORT SERVICES
MANAGER - HEALTH WORLD
LIMITED

- › Identify the technical challenges and the mitigation measures involved in cloud computing and virtualisation
- › Identify the characteristics of cloud applications
- › List the steps to successfully adopt cloud services
- › Define cloud security and identify the risks involved in cloud computing as well as the risk mitigation measures
- › List the factors involved for implementation of different cloud models

<https://www.lumifywork.com/en-au/courses/cloud-technology-associate/>





Cloud Technology Associate

COURSE SUBJECTS

Module 1: Course Introduction

Module 2: Introduction to Cloud Services Model

- Review Traditional Computing Challenges and Concerns
- Cloud Computing Concepts, History and Definitions (Characteristics, Service Models and Deployment Models)
- Activity Time: Cloud Services Values
- Cloud Computing Benefits and Challenges, Best and Least Suited Application Profiles and APIs
- Activity Time: Case Study Assignment
- Cloud Reference Architecture and Common Terminologies
- Activity Time: Comparison of On-Premise and Cloud-Based Cost Analysis

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

- Virtualisation: Definition, Concepts, History and Relationship to Cloud Computing
- Virtualisation: Benefits, Challenges, Risks and Suitability to Organisations
- Hypervisor: Role and Purpose in Virtualisation and the Various Types of Hypervisor
- Virtualisation: Terminologies/Features
- Activity Time: High Availability Calculation
- Virtualisation: Different Types of Virtualisation
- Activity Time: Demo: Create, Manage and Access Virtual Resources in the Cloud

Lumify Work Customised Training

We can also deliver and customise this training course for larger groups saving your organisation time, money and resources.

For more information, please contact us on [1 800 853 276](tel:1800853276).

<https://www.lumifywork.com/en-au/courses/cloud-technology-associate/>





Cloud Technology Associate

Module 4: Overview of Cloud Technologies and Applications

- Bring Your Own Device (BYOD) and MDM + EMM
- Software Defined Networking (SDN)
- Network Functions Virtualisation (NFV)
- Big Data Analytics, NoSQL, NewSQL, Internet of Things (IoT)
- Activity Time: Comparison of RDBMS, NoSQL and NewSQL
- Activity Time: Case Study Assignment

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

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

Module 6: Preparing for Cloud Adoption

- Cloud Strategy and Roadmap Preparation
- Solution Architectures: For Various Services, Deployment Models and Organisational Capabilities
- Cloud Service Provider, SLA and Cloud Migration
- Activity Time: Cloud Adoption Strategy
- Activity Time: Case Study Assignment

Module 7: Cloud Service Management

- CSM Overview: Definition, Architecture, Lifecycle, Actors

<https://www.lumifywork.com/en-au/courses/cloud-technology-associate/>





CLOUD COMPUTING AND VIRTUALISATION

Cloud Technology Associate

- CSM: Business Support
- CSM: Provisioning and Configuration
- CSM: Portability and Interoperability
- Cloud Management Platforms
- Activity Time: Identify Cloud Service Management Features of an Organisation
- Activity Time: Case Study Assignment

<https://www.lumifywork.com/en-au/courses/cloud-technology-associate/>





Cloud Technology Associate

WHO IS THE COURSE FOR?

Primary audience:

- IT Managers and Solution Consultants
- IT Specialists (Analysts, Developers, Architects, Testing, etc.)
- IT Administrators (System, Database, etc.)
- IT Provisioning and Maintenance (Hardware, Network, Storage, etc.)

Secondary audience includes Sales, Purchase, Audit, and Legal professionals.

This course is suited to those either new to their roles or in a non-technical role.

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)

The supply of this course by Lumify Work is governed by the booking terms and conditions. Please read the terms and conditions carefully before enrolling in this course, as enrolment in the course is conditional on acceptance of these terms and conditions.

<https://www.lumifywork.com/en-au/courses/cloud-technology-associate/>

