

CCF: Cloud Computing Foundation

Course Code: CCF

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

Cloud computing offers a new way to gain on-demand, elastic capabilities, avoiding the need for significant capital investment whilst promoting a culture of innovation through a 'fail-fast' paradigm.

Clients benefit from a pay-as-you-go model, coupled with intuitive self-service capabilities providing unprecedented speed-to-market and clear cost transparencies with market leaders such as Microsoft, Amazon and Google.

Despite the prevalence and visibility around cloud computing, there is still a perception of misinformation around cloud computing standards and terminology.

This 2-day course has been designed to ensure that participants get a solid and accurate understanding of the fundamentals of cloud computing.

The course also provides preparation for the Cloud Computing Foundation certificate exam.

SKILLS COVERED

After attending this course participants will be well prepared to:

- Recall terms and key facts about the concepts, characteristics, delivery models and benefits of cloud computing
- Understand the concepts, characteristics, delivery models and benefits of cloud computing
- Recall terms and concepts about the security and compliance cloud computing challenges

- Understanding the key security and compliance cloud computing challenges
- Recall terms and concepts about the technical and organization cloud computing challenges
- Understanding the key technical and organization cloud challenges
- Understanding the characteristics, use cases, and choices available of Public Cloud Computing
- Understanding the characteristics, use cases, and choices available of Private Cloud Computing
- Recall terms and concepts about Hybrid Cloud Computing
- Understanding the characteristics, use cases, and choices available of Hybrid Cloud Computing
- Understanding the approach to creating an action plan for a cloud pilot project.

WHO SHOULD ATTEND?

The course is designed for:

- Individuals and organisations seeking a foundational understanding of cloud computing
- Non-technical employees that wish to learn more about the basics of cloud computing, from backgrounds such as finance, legal, marketing, procurement and sales
- Employees involved in cloud computing initiatives or projects, such as project managers, business analysts, architects, engineers and developers
- Managers responsible for employees working on cloud computing initiatives or projects

PREREQUISITES

There is no pre requisites required to attend this course.

MODULES**Module 1: Introduction to Cloud Computing**

- Overview of Cloud
- Benefits of Cloud
- Five Cloud Characteristics (NIST)
- Three Cloud Service Models (NIST)
- Four Cloud Deployment Models (NIST)

Module 2: Cloud Security & Compliance Challenges

- Understanding of security, compliance and risk
- Roles and responsibilities between cloud consumers and cloud providers
- Assessing and understanding cloud provider security
- Overview and usage of the Cloud Security Alliance (CSA) resources, such as the cloud controls matrix (CCM) and the consensus assessment initiative (CAI)
- Understanding of data responsibility and jurisdiction
- The role and structure of service level agreements (SLAs)

Module 3: Cloud Technical and Organisational Challenges

- Overview of cloud application design considerations
- Understand the implications of big data
- Understand the cloud application lifecycle
- Describe the key principles of cloud automation and testing
- Harnessing the power of shadow IT

Module 4: Public Cloud Computing

- Overview of public cloud, pros, cons and use cases
- Broad understanding of Microsoft, Amazon and Google cloud services scope

Module 5: Private Cloud Computing

- Overview of private cloud, pros, cons and use cases
- Broad understanding of cloud technology options

Module 6: Hybrid Cloud Computing

- Overview of hybrid cloud, pros, cons and use cases
- Broad understanding of cloud technology options

Module 7: Creating a Cloud Action Plan

- Understanding the scope and purpose of a cloud action plan
- Selecting a cloud partner and implementing a successful pilot
- Broad understanding of stakeholder management to maximise cloud deployment success.

Module 8: Practice Exam**Module 9: Cloud Foundation Certificate Exam****END OF PAGE**