

Cloud Computing

The Cloud Computing module introduces the use of Internet-connected remote servers to store, manage, and process data, instead of using local servers or computers.

Cloud computing and cloud services are increasingly common technologies used by organisations to add flexibility, efficiency, and innovation. Many job roles in a range of sectors need to have an understanding of the potential of these technologies, as well as a grasp of the benefits and challenges associated with their adoption.

This module is suitable for a wide range of candidates; for example, non-technical professionals who wish to build and demonstrate an understanding of Cloud Computing, facilitating engagement with their technical colleagues or their suppliers, or students who wish to add general technical knowledge to sector-specific or general studies.

Module overview

Unit	Content
Unit 1	<ul style="list-style-type: none">• What is Cloud Computing?
Unit 2	<ul style="list-style-type: none">• Infrastructure as a Service (IaaS)
Unit 3	<ul style="list-style-type: none">• Platform as a Service (PaaS)
Unit 4	<ul style="list-style-type: none">• Software as a Service (SaaS)
Unit 5	<ul style="list-style-type: none">• Serverless, Function as a Service (FaaS)
Unit 6	<ul style="list-style-type: none">• Deployment models
Unit 7	<ul style="list-style-type: none">• Adoption

Main learning outcomes

The Cloud Computing module consists of e-learning followed by a brief certification test. Together, these components deliver a short, focused professional development solution.

- Understand key concepts relating to cloud computing
- Recognise the features, benefits, examples, and limitations of Infrastructure as a Service (IaaS)
- Recognise the features, benefits, limitations and provide examples of Platform as a Service (PaaS)
- Recognise the features, benefits, limitations and provide examples of Software as a Service (SaaS)
- Identify features and examples of Function as a Service (FaaS)
- Know about the different models for implementing cloud computing in organisations
- Consider appropriate solutions and models for implementing cloud computing in a given scenario or situation.