AVWSQ-CC

WSQ Cloud Computing

1 Day Course • Instructor-Led Training • English

Course Overview

Cloud computing has made inroads into many organisations from small to large across the globe. This introductory course provides an overview of cloud computing services, models and adoption for cloud services.

Audience Profile

Be able to listen and speak English at a proficiency level equivalent to the Employability Skills Workforce Skills Qualifications (ES WSQ) Workplace Literacy (WPL) level 6; and be able to read and write English at a proficiency level equivalent to ES WSQ WPL level 6; and be able to manipulate numbers at a proficiency level equivalent to ES WSQ WPN level 6; and be able to operate a personal desktop computer, a browser and use the Internet.

Course Outcome

Participants will have the knowledge and application skills in recognising the various cloud computing models available, differentiate between them, their limits and benefits. They will be able to recommend a relevant cloud computing model for their organisation to adopt.

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

Pre-Requisite

Users with computer usage and Internet browsing proficiency.

Assessment

Written and Practical.

Course Outline

7 Modules

Topic 01: What is Cloud Computing?

- Define the term Cloud Computing.
- Identify the origins of Cloud Computing
- Identify Cloud Computing's key services: Infrastructure as a Services (IaaS), Platform as a Service (PaaS), and Software as a service (SaaS).

Topic 02: Infrastructure as a Service (IaaS)

- Identify the components of IaaS
- Identify common examples of IaaS
- Identify the benefits of IaaS
- Identify the limitations of IaaS

Topic 03: Platform as a Service (PaaS)

- Identify the components of PaaS
- Identify common examples of PaaS
- Identify the benefits of PaaS
- Identify the limitations of PaaS

Topic 04: Software as a Service (SaaS)

- Identify the components of SaaS
- Identify common examples of SaaS
- Identify the benefits of SaaS
- Identify the limitations of SaaS

Topic 05: Serverless, Functions as a Service (FaaS)

- Identify the features and purpose of a serverless
- Identify common examples of serverless solutions

Topic 06: Deployment Models

- Identify the features of private cloud models
- Identify the features of public cloud models
- Identify the features of community cloud models
- Identify the features of hybrid cloud models

Topic 07: Adoption

- Identify key challenges to adoption of cloud computing in an organisation
- Consider appropriate services and models for a given scenario