Essential Cloud Infrastructure

COURSE OVERVIEW

This course provides a foundational understanding of core cloud infrastructure components and services, with a focus on compute, networking, storage, and security within cloud environments. The course also covers key concepts such as identity and access management (IAM), resource monitoring, and best practices for securing cloud infrastructure. Participants will learn how to deploy and manage virtual machines, configure virtual networks, and implement cloud storage solutions. Through this course, participants are prepared for roles in cloud administration and infrastructure management.

WHO SHOULD ATTEND?

This course is ideal for IT professionals, system administrators, cloud engineers, and technical support staff who are responsible for deploying, managing, or supporting cloud infrastructure. It also benefits individuals transitioning into cloud-based roles or preparing for foundational cloud certifications. Whether you're new to cloud computing or looking to strengthen your understanding of cloud architecture, networking, and resource management, this course equips you with the essential skills to operate confidently in modern cloud environments.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand key components of cloud infrastructure, including compute, storage, and networking.
- Deploy and manage virtual machines in a cloud environment.
- Configure and manage virtual networks, firewalls, and IP addressing.
- Implement and manage cloud storage solutions for different use cases.
- Apply identity and access management (IAM) to control and secure resources.
- Monitor cloud resources and optimize performance and cost.
- Apply basic security measures to protect infrastructure and data.
- Understand cloud deployment models and service types (IaaS, PaaS, SaaS).
- Troubleshoot common issues related to infrastructure deployment and maintenance.
- Prepare for entry-level cloud certification exams and support cloud migration initiatives.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Core components of cloud infrastructure: compute, networking, storage, and security
- Identity and Access Management (IAM) and resource monitoring
- Deploying and managing virtual machines and networks
- Implementing cloud storage solutions
- Best practices for securing cloud environments
- Roles in cloud administration and infrastructure management

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded