

Cloud Infrastructure & Hybrid IT Ecosystems

COURSE OVERVIEW

This course offers an intensive understanding of the architecture, deployment and management of scalable cloud infrastructures that seamlessly integrate with on-premises systems. It explores the core principles of cloud computing, virtualization, networking, storage and security within hybrid and multi-cloud environments. The course emphasizes strategic decision making for cloud adoption, migration and performance optimization in modern enterprise environments. Through practical sessions and case studies, participants will learn how to optimize workload distribution, enhance operational efficiency, ensure data governance and maintain interoperability across diverse platforms.

WHO SHOULD ATTEND?

This course is ideal for IT professionals, cloud architects, systems engineers, infrastructure managers, DevOps practitioners and technology leaders involved in cloud strategy, migration or hybrid infrastructure management. It is also valuable for consultants and technical decision makers seeking to strengthen their expertise in integrating and optimizing hybrid and multi-cloud ecosystems.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Develop a solid understanding of cloud infrastructure components and hybrid IT architecture.
- Design and implement secure, resilient, and scalable hybrid environments.
- Evaluate and select suitable cloud models, platforms, and integration strategies.
- Optimize cost, performance, and security across hybrid and multi-cloud systems.
- Apply best practices in cloud migration, workload management, and governance.
- Use automation and AI tools to improve efficiency and simplify hybrid IT management.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- The architecture and components of cloud infrastructure and hybrid IT ecosystems.
- How to integrate on-premises resources with public and private cloud services.
- Strategies for workload distribution across cloud and local environments.
- The role of orchestration, automation, and management platforms in hybrid IT.
- Security, compliance, and governance considerations in hybrid cloud setups.
- Best practices for optimizing performance, scalability, and cost efficiency in hybrid ecosystems.

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