BLACKBIRD FOR TRAINING

Mastering Cloud Computing: Migration, Deployment, and Security in the Digital Ag

4 – 8 January 2027
Düsseldorf (Germany)



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Ref: 3255060_185938 **Date:** 4 – 8 January 2027 **Location:** Düsseldorf (Germany) **Fees:** 5900 GBP

Introduction

This course provides trainees with the essential knowledge and practical skills needed in the field of cloud computing. Participants will explore cloud service models, deployment approaches, migration planning, management tools, and foundational security concepts. By working through a hands-on case study, they will build the confidence to support—or even lead—a secure cloud transformation within their organizations.

Course Objectives

By the end of the course, participants will be able to:

- Define and distinguish between various cloud computing models and technologies.
- Plan for and support cloud migration processes.
- Identify and utilize key cloud computing tools and platforms.
- Apply fundamental information security principles in cloud environments.
- Examine a real-world cloud transformation case and identify key takeaways.

Course Outlines

Day 1: Fundamentals of Cloud Computing and Its Models

- Introduction to cloud computing
- Benefits and drivers for organizations
- Service models: IaaS, PaaS, SaaS
- Deployment models: public, private, hybrid cloud
- Overview of CompTIA Cloud+ concepts

Day 2: Cloud Migration Strategies and Requirements

- Evaluating organizational readiness for migration
- Migration phases: planning, execution, validation
- Technical and regulatory requirements
- Common challenges and mitigation strategies
- Managing change and encouraging user adoption



Day 3: Deployment and Management in Cloud Environments

- Overview of cloud platforms: AWS, Azure, GCP
- Tools for monitoring, automation, and orchestration
- Integration with existing IT systems
- Planning for high availability and continuity
- Data governance and compliance considerations

Day 4: Cloud Security Fundamentals

- Cloud-specific threats and risks
- Identity and Access Management IAM
- Encryption, data protection, and API security
- The shared responsibility model
- Security best practices in cloud environments

Day 5: Case Study and Comprehensive Review

- Case study: migrating a mid-sized organization to a hybrid cloud
- Planning and executing the migration process
- Managing security concerns and cost implications
- Reviewing key lessons and results
- Group discussion and scenario-based analysis
- Full course review
- Optional exam or practical application session

Why Attend This Course? Wins & Losses!

- Develop in-demand technical skills aligned with industry needs
- Gain opportunities to lead or contribute to digital transformation efforts
- Build confidence in managing secure cloud infrastructures
- Strengthen your organization's agility and innovation capacity

Conclusion

This course lays a strong foundation for professionals looking to succeed in cloud computing. With practical exercises, real-world scenarios, and interactive dialogue, participants will leave equipped with both the vision and a clear action plan to apply their new skills in the workplace—driving digital growth and transformation within their organizations.

