BLACKBIRD FOR TRAINING

Comprehensive Cloud Computing Training: From Basics to Mastery

17 – 21 October 2027
Istanbul (Turkey)



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Why This Course

Cloud computing has become a foundation for modern digital transformation, enabling organizations to scale faster, reduce infrastructure complexity, improve flexibility, and deliver applications more efficiently. As businesses increasingly move workloads to the cloud, professionals need a clear understanding of cloud models, platforms, architecture, security, deployment, and cost optimization.

This comprehensive 1-week Cloud Computing Training program provides participants with practical knowledge of cloud technologies, architectures, and best practices. The course covers cloud service and deployment models, major platforms such as AWS, Azure, and Google Cloud, cloud infrastructure, security, compliance, application deployment, cloud-native design, cost management, performance monitoring, disaster recovery, and hybrid or multi-cloud strategies. Through hands-on exercises and real-world scenarios, participants will learn how to design, deploy, secure, and optimize cloud solutions effectively.

What You'll Learn and Practice

By joining this program, you will:

- Understand core cloud computing concepts, benefits, and business applications.
- Differentiate between IaaS, PaaS, and SaaS service models.
- Explore public, private, hybrid, and multi-cloud deployment models.
- Design cloud architectures for different business and technical use cases.
- Work with major cloud platforms including AWS, Azure, and Google Cloud.
- Understand cloud compute, storage, networking, and identity services.
- Apply cloud security principles, IAM controls, encryption, and monitoring practices.
- Address compliance and regulatory considerations in cloud environments.
- Understand microservices, containers, serverless computing, and CI/CD practices.
- Apply cloud-native application design and deployment patterns.
- Optimize cloud costs, performance, availability, and scalability.
- Develop practical approaches for cloud migration, disaster recovery, and business continuity.



The Program Flow

Day 1: Cloud Computing Fundamentals

- Understand the meaning, value, and evolution of cloud computing.
- Explore cloud service models, including IaaS, PaaS, and SaaS.
- Compare cloud deployment models and their use cases.
- Understand cloud architecture principles and reference models.
- Identify how cloud computing supports scalability, agility, and digital transformation.

Day 2: Cloud Platforms and Infrastructure

- Review the major cloud providers, including AWS, Azure, and Google Cloud.
- Understand core compute and storage services in cloud environments.
- Explore cloud networking concepts and connectivity options.
- Apply identity and access management principles.
- Understand how infrastructure components work together to support cloud solutions.

Day 3: Cloud Security and Compliance

- Apply cloud security principles and best practices.
- Understand shared responsibility models and security governance.
- Use data protection, encryption, access controls, and monitoring techniques.
- Explore compliance and regulatory requirements in cloud environments.
- Understand security automation and continuous monitoring practices.

Day 4: Cloud Application Design and Deployment

- Understand microservices and containerization concepts.
- Explore serverless computing and its practical use cases.
- Apply CI/CD practices for cloud application deployment.
- Understand cloud-native application architecture patterns.
- Design scalable and resilient applications for cloud environments.

Day 5: Cloud Management and Optimization

- Apply cloud cost management and optimization techniques.
- Monitor performance and troubleshoot cloud-based applications and services.
- Understand disaster recovery and business continuity planning in the cloud.
- Explore hybrid cloud and multi-cloud strategies.
- Develop a practical cloud migration strategy for legacy applications.



Individual Impact

- Build confidence in understanding and applying cloud computing concepts.
- Strengthen practical knowledge of cloud architecture, platforms, security, and deployment.
- Improve the ability to design scalable, secure, and cost-effective cloud solutions.
- Gain awareness of cloud-native application patterns and modern deployment practices.
- Develop stronger decision-making skills for cloud migration and optimization projects.

Work Impact

- Support successful cloud adoption and digital transformation initiatives.
- Improve scalability, resilience, and flexibility of IT services.
- Strengthen cloud security, compliance, and access management practices.
- Reduce unnecessary cloud costs through better monitoring and optimization.
- Improve application deployment, performance, and business continuity capabilities.

Training Methodology

This program combines cloud concepts with practical implementation through:

- Hands-on cloud platform exercises and infrastructure scenarios.
- Architecture design workshops for different cloud use cases.
- Security, IAM, encryption, and compliance practice activities.
- Cloud application deployment and CI/CD demonstrations.
- Cost optimization and performance monitoring exercises.
- Real-world case studies on migration, hybrid cloud, and disaster recovery.

Beyond the Course

Upon completion, participants will be able to:

- Design and deploy scalable cloud architectures.
- Work with major cloud platforms and core infrastructure services.
- Implement secure cloud environments using IAM, encryption, and monitoring controls.
- Optimize cloud costs and improve application performance.
- Develop cloud migration, disaster recovery, and hybrid cloud strategies.

