



## Architecting on AWS

**Duration: 3 Days**    **Course Code: GK4502**    **Delivery Method: Company Event**

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### Overview:

Architecting on AWS covers the fundamentals of building IT infrastructure on AWS. The course is designed to teach solutions architects how to optimize the use of the AWS cloud by understanding AWS services and how these services fit into cloud-based solutions. Because architectural solutions may differ depending on industry, type of applications, and size of business, this course emphasizes AWS cloud best practices and recommended design patterns to help students think through the process of architecting optimal IT solutions on AWS. It also presents case studies throughout the course that showcase how some AWS customers have designed their infrastructures and the strategies and services they implemented. Opportunities to build a variety of infrastructures via a guided, hands-on approach are also provided.

### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

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### Target Audience:

This course is intended for Solutions Architects and Solution Design Engineers

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### Objectives:

- In this course you will learn to:
    - Make architectural decisions based on the AWS-recommended architectural principles and best practices.
    - Leverage AWS services to make your infrastructure scalable, reliable, and highly available.
    - Leverage AWS managed services to enable greater flexibility and resiliency in an infrastructure.
    - Make an AWS-based infrastructure more efficient in order to increase performance and reduce costs.
    - Use the Well-Architected Framework to improve architectures with AWS solutions.
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### Prerequisites:

- Courses taken: AWS Technical Essentials (GK4501) or full understanding of the topics covered in that course
  - Working knowledge of distributed systems
  - Familiarity with general networking concepts
  - Working knowledge of multi-tier architectures
  - Familiarity with cloud computing concepts
  - GK4501 - AWS Technical Essentials
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### Follow-on-Courses:

- GK1980 - Advanced Architecting on AWS
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## Content:

### Day 1

- Core AWS Knowledge
- Designing Your Environment
- Making Your Environment Highly Available
- Forklifting an Existing Application onto AWS

### Day 2

- Event-Driven Scaling
- Automating and Decoupling Your Infrastructure
- Designing Storage at Scale
- Hosting a New Web Application on AWS

### Day 3

- The Four Pillars of the Well-Architected Framework
- Disaster Recovery and Failover Strategies
- Troubleshooting Your Environment
- Large-Scale Design Patterns and Case Studie

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## Additional Information:

This course will be delivered through a mix of Instructor-led Training (ILT) and Hands-on Labs

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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