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## AWS WELL-ARCHITECTED BEST PRACTICES

**Duration: 1 Day**    **Course Code: GK821495**    **Delivery Method: Virtual Learning**

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### Overview:

The AWS Well-Architected Framework helps you make informed decisions about your customers' architectures cloud-focused way and understand the impact of design decisions. By using the Well-Architected Framework, you will understand the risks in your architecture and ways to mitigate them. This course provides a deep dive into the AWS Well-Architected Framework and its six pillars. This course also covers the Well-Architected review process and using the AWS Well-Architected Tool to complete reviews.

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

Technical professionals involved in architecting, building, and operating AWS solutions.

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### Objectives:

- In this course, you will learn to:
    - Identify the AWS Well-Architected Framework features, design principles, design pillars, and common uses
    - Apply the design principles, key services, and best practices for each pillar of the Well-Architected Framework
    - Use the AWS Well-Architected Tool to conduct Well-Architected reviews
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### Prerequisites:

We recommend that attendees of this course have:

- Knowledge of core AWS services (Course: AWS Cloud Practitioner Essentials)
  - Knowledge of AWS management interfaces (Course: AWS Technical Essentials)
  - Knowledge of core AWS design and architecture (Course: Architecting on AWS)
  - GK4501 - AWS Technical Essentials (EN)
  - GK4502 - Architecting on AWS (EN)
  - GK4534 - AWS Cloud Practitioner Essentials
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## Content:

### Module 1: Well-Architected Introduction

- Brief history of AWS Well-Architected
- AWS Well-Architected pillars
- Design principles
- Applying the AWS Well-Architected Framework
- AWS Well-Architected Tool

### Module 2: Operational Excellence

- Operational Excellence design principles
- Case study
- Hands-On Lab: Operational Excellence

### Module 3: Reliability

- Reliability design principles
- Hands-On Lab: Reliability

### Module 4: Security

- Security design principles
- Hands-On Lab: Security

### Module 5: Performance Efficiency

- Performance Efficiency design principles
- Hands-On Lab: Performance Efficiency

### Module 6: Cost Optimization

- Cost Optimization design principles
- Hands-On Lab: Cost Optimization

### Module 7: Sustainability

- Sustainability design principles
- Sustainability best practices
- Sustainability pillar resources

### Module 8: Course Summary

- Recap
- Resources
- Continue your learning

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## Additional Information:

### Activities

This course includes presentations, case studies, hands-on labs, and knowledge checks.

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## Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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