



Advanced Architecting on AWS

Duration: 3 Days **Course Code: GK1980** **Delivery Method: Virtual Learning**

Overview:

Advanced Architecting on AWS is intended for individuals who are experienced with designing scalable and elastic applications on the AWS platform. Building on concepts introduced in Architecting on AWS, this course covers how to build complex solutions that incorporate data services, governance, and security on AWS. This course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly available applications on AWS.

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.

Target Audience:

This course is intended for: Experienced IT professionals who are already familiar with AWS services

Objectives:

- This course teaches you how to:
 - Apply the AWS Well-Architected Framework.
 - Manage multiple AWS accounts for your organization.
 - Connect on-premises data centers to the AWS Cloud.
 - Understand billing implications of connecting multi-region VPCs.
 - Move large data from on-premises data centers to the AWS Cloud.
 - Design large datastores for the AWS Cloud.
 - Understand different architectural designs for scaling a large website.
 - Protect your infrastructure from DDoS attacks.
 - Secure your data on AWS with encryption.
 - Design protection of data at rest as well as data in flight.
 - Enhance the performance of your solutions.
 - Select the most appropriate AWS deployment mechanism.
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Prerequisites:

We recommend that attendees of this course have one of the following prerequisites:

- Attended Architecting on AWS (GK4501)
 - Achieved AWS Certified Solutions Architect - Associate
 - GK4501 - AWS Technical Essentials
 - GK4502 - Architecting on AWS
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Content:

Note: course outline may vary slightly based on the regional location and/or language in which the class is delivered.

Day 1

- Review of Architecting for the Cloud Best Practices and the AWS Well-Architected Framework
- AWS Account Strategies
- Advanced Networking Architectures
- Deployment Management on AWS

Day 2

- Designing Large Datastores
- Moving Large Datastores into AWS
- Big Data Architectures
- Designing for Large Scale Applications

Day 3

- Building Resilience into Your Architecture
- Data Encryption and Key Management in AWS
- Securing Data on AWS
- Designing for Performance

Further Information:

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

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK