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## Advanced Architecting on AWS

**Duration: 3 Days**    **Course Code: GK1980**

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### Overview:

#### Nederlands:

Deze AWS cursus bouwt voort op de concepten die zijn geïntroduceerd in de training 'Architecting on AWS' en laat zien hoe u complexe AWS-systemen kunt ontwikkelen die dataservices, governance en beveiliging combineren. Deze cursus introduceert gespecialiseerde AWS-services, waaronder AWS Direct Connect en AWS Storage Gateway ter ondersteuning van een Hybrid-architectuur. Ook gaat de cursus in op 'best practices' bij het ontwerpen van schaalbare, elastische en veilige AWS-applicaties met een hoge beschikbaarheid.

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#### English:

This AWS training builds on the concepts introduced in Architecting on AWS and 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.

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### Target Audience:

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

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### 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
- Achieved AWS Certified Solutions Architect - Associate

### Testing and Certification

## 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

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## Further Information:

For More information, or to book your course, please call us on 0800/84.009

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[www.globalknowledge.com/en-be/](http://www.globalknowledge.com/en-be/)