Developing on AWS

Category: Cloud Platforms | **Vendor:** Amazon Web Services

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Day 1: Building the Foundation

- Introduction to Developing on AWS
- Choosing a Data Store
- Developing Storage Solutions with Amazon S3
- Developing Flexible NoSQL Solutions with Amazon DynamoDB

Day 2: Connecting Applications and Data with Event-Driven Processing

- Working with Events
- Developing Event-Driven Solutions with Amazon Kinesis Streams
- Developing Event-Driven Solutions with Amazon SWF, Amazon SQS, and Amazon SNS
- Developing Event-Driven Solutions with AWS Lambda

Day 3: Developing and Deploying Secure, Scalable Applications

- Developing Secure Applications
- Caching Information for Scalability
- Monitoring Your Application and AWS Resources with Amazon CloudWatch
- Deploying Applications with AWS Elastic Beanstalk and AWS CloudFormation

About This Course

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Who Should Attend

Intermediate-level software developers

Prerequisites & Entry Requirements

General Prerequisites:

Attendees should have the following prerequisites:

- Familiarity with AWS services
- A working knowledge of Java, C#/.Net, or Python

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Developing on AWS helps developers understand how to use the AWS SDK to develop secure and scalable cloud applications. The course provides in-depth knowledge about how to interact with AWS using code and covers key concepts, best practices, and troubleshooting tips. This course teaches you how to:

- Set up the AWS SDK and developer credentials for Java, C#/.Net, Python, and JavaScript.
- Use the AWS SDK to interact with AWS services and develop solutions.
- Use Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB as data stores.
- Integrate applications and data by using Amazon Kinesis, AWS Lambda, Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and Amazon Simple Workflow Service (Amazon SWF).
- Use AWS Identity and Access Management (IAM) for service authentication.
- Use Web Identity Framework and Amazon Cognito for user authentication.
- Use Amazon ElastiCache and Amazon CloudFront to improve application scalability.
- Deploy applications by using AWS Elastic Beanstalk and AWS CloudFormation.

Detailed Course Outline

Module 7: Getting Started with Databases, Module 7: Getting Started with Databases, Module 7: Getting Started with Databases, Module 8: Processing Your Database Operations, Module 8: Processing Your Database Operations, Module 8: Processing Your Database Operations, Module 9: Processing Your Application Logic, Module 9: Processing Your Application Logic, Module 9: Processing Your Application Logic, Module 10: Managing the APIs, Module 10: Managing the APIs, Module 10: Managing the APIs, Module 11: Building a Modern Application, Module 11: Building a Modern Application, Module 11: Building a Modern Application, Module 12: Granting Access to Your Application Users, Module 12: Granting Access to Your Application Users, Module 12: Granting Access to Your Application Users, Module 13: Deploying Your Application, Module 13: Deploying Your Application, Module 13: Deploying Your Application, Module 14: Observing Your Application, Module

14: Observing Your Application, Module 14: Observing Your Application, Module 2: Building a Web Application on AWS, Module 2: Building a Web Application on AWS, Module 2: Building a Web Application on AWS, Module 1: Course Overview, Module 1: Course Overview, Module 1: Course Overview, Module 5: Getting Started with Storage, Module 5: Getting Started with Storage, Module 5: Getting Started with Storage, Module 6: Processing Your Storage Operations, Module 6: Processing Your Storage Operations, Module 6: Processing Your Storage Operations, Module 4: Getting Started with Permissions, Module 4: Getting Started with Permissions, Module 4: Getting Started with Permissions, Module 3: Getting Started with Development on AWS, Module 3: Getting Started with Development on AWS, Module 3: Getting Started with Development on AWS

Skills You Will Learn:

Developing on AWS helps developers understand how to use the AWS SDK to develop secure and scalable cloud applications. The course provides in-depth knowledge about how to interact with AWS using code and covers key concepts, best practices, and troubleshooting tips. This course teaches you how to:

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Frequently Asked Questions

Q: What delivery options are available for Developing on AWS?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Developing on AWS course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Developing on AWS training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Developing on AWS?

Yes, we provide corporate training, dedicated training, and closed classes for Developing on AWS. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Developing on AWS, AWS Development, AWSD, Amazon Web Services, vILT

Q: Why choose Nexus Human for Developing on AWS?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Developing on AWS training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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