Successful in the cloud with AWS training

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AWS Training

Fast Lane provides you with the knowledge and skills to develop, deploy, and operate infrastructures and applications in the AWS Cloud. We are happy to adapt the AWS trainings to your specific circumstances, goals and requirements. We will carry out your customized training for you either in one of our training centers or on your premises.

AWS Trainings and Learning Paths

Get started using AWS
Get an introduction to cloud computing and AWS.
- AWS Techinical Essentials (AWSE)
- AWS Business Essentials (AWSBE)

AWS System Architecture
Learn how to design applications and systems.
- Architecting on AWS (AWSA)
- Advanced Architecting on AWS (AWSAA)
- AWS Certified Solutions Architect - Associate Certification Workshop (ACSAA)
- AWS Certified Solutions Architect - Professional Certification Workshop (ACSAP)

AWS Development
Learn to develop cloud applications.
- Developing on AWS (AWSD)
- DevOps Engineering on AWS (AWSDEVOPS)

AWS Operations
Learn to create automatable and repeatable deployments of applications, networks, and systems.
- Systems Operations on AWS (AWSSYS)
- DevOps Engineering on AWS (AWSDEVOPS)

AWS Specialization
Gain knowledge about AWS security services or big data solutions.
- Security Engineering on AWS (AWSSO)
- Big Data on AWS (BDAWS)
- Migrating to AWS (AWSM)
- Deep Learning on AWS (AWSDL)

AWS Serverless
Gain knowledge about Serverless AWS services.
- Building a Serverless Data Lake (BSDL)

AWS Technical Essentials (AWSE)

ID AWSE | Duration: 1 Day

Who should attend
- Individuals who need a basic introduction to AWS core services.

Prerequisites
- None.

Objectives
- This training introduces AWS products, services, and common solutions with immersive exercises and hands-on activities. It helps learners who do not come from a technical background to gain proficiency in Amazon Web Services and empowers them to make informed decisions about IT solutions based on business requirements.

AWS Business Essentials (AWSBE)

ID AWSBE | Duration: 1 Day

Who should attend
- IT Business Decision-Makers
- Individuals who are new to working with AWS

Prerequisites
- Working knowledge of IT infrastructure concepts
- Familiarity with basic finance concepts
- Familiarity with basic IT security concepts

Objectives
- AWS Business Essentials helps IT business decision makers understand the benefits of cloud computing and how a cloud strategy can help you meet your business objectives. In this course we discuss the advantages of cloud computing for your business and the fundamentals of AWS, including financial benefits. This course also introduces you to successful cloud adoption frameworks so to help you consider the AWS platform within your cloud computing strategy.

Architecting on AWS (AWSA)

ID AWSA | Duration: 3 Days

Who should attend
- Solutions Architects
- Solution Design Engineers

Prerequisites
- Attended AWS Technical Essentials (AWSE)
- Working knowledge of distributed systems
- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts

Objectives
- In this course, you will learn the fundamentals of building IT infrastructure on the AWS platform. You will learn how to optimize the AWS Cloud by understanding AWS services and how they fit into cloud-based solutions. You will explore AWS Cloud best practices and design patterns to help you architect optimal IT solutions on AWS. You will also examine case studies that show how AWS customers have designed their infrastructures and the strategies and services they implemented. You will build and explore a variety of infrastructures through a guided, hands-on activity.

Advanced Architecting on AWS (AWSAA)

ID AWSAA | Duration: 3 Days

Who should attend
- Seasoned IT professionals who are already familiar with AWS services

Prerequisites
- Attended Architecting on AWS (AWSA)
- Achieved AWS Certified Solutions Architect - Associate

Objectives
- Building on concepts introduced in Architecting on AWS, 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 which 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.

AWS Certified Solutions Architect - Associate Certification Workshop (ACSAA)

Who should attend

- This workshop is intended for Individuals who are preparing to take the AWS Certified Solutions Architect – Associate exam.

Prerequisites

- Attended the Architecting on AWS (AWSA) course (or have equivalent knowledge)
- One or more years of hands-on experience designing and deploying scalable, highly available, and fault tolerant systems on AWS

Objectives

- Designed to complement Architecting on AWS (AWSA), this half-day workshop is intended for individuals who are preparing for the AWS Certified Solutions Architect – Associate exam. In this workshop, we review what to expect at the testing center and while taking the exam. We walk you through how the exam is structured, including question formats, content domains, and the breakdown of questions across those domains. We also teach you how to interpret the concepts being tested by a question so that you can better eliminate incorrect responses. During the workshop, you will have the chance to apply knowledge and test concepts through a series of practice exam questions.

AWS Certified Solutions Architect - Professional Certification Workshop (ACSAP)

Who should attend

- Individuals who are preparing to take the AWS Certified Solutions Architect – Professional exam

Prerequisites

- Attended the Advanced Architecting on AWS (AWSAA) course (or have equivalent knowledge)
- Two or more years hands-on experience designing and deploying cloud architecture on AWS

Objectives

- Understand the content domains and how AWS services map to them
- Combine multiple AWS services to solve complex architectural requirements
- Understand advanced concepts of core AWS services and associated use cases
- Identify how questions are written to test AWS architectural concepts

Developing on AWS (AWSD)

ID AWSD | Duration: 3 Days

Who should attend
- Intermediate-level software developers

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

Objectives
- 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.

DevOps Engineering on AWS (AWSDEVOPS)

ID AWSDEVOPS | Duration: 3 Days

Who should attend
- System Administrators
- Software Developers

Prerequisites
- Attended Systems Operations on AWS (AWSSYS) or
- Attended Developing on AWS (AWSD)
- Working knowledge of one or more high-level programming languages (C#, Java, PHP, Ruby, Python, etc.)
- Intermediate knowledge of administering Linux or Windows systems at the command-line level
- Working experience with AWS using both the AWS Management Console and the AWS Command Line Interface (AWS CLI)

Objectives
- DevOps Engineering on AWS demonstrates how to use the most common DevOps patterns to develop, deploy and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small-medium business, and enterprise development scenarios.

Systems Operations on AWS (AWSSYS)

ID AWSSYS | Duration: 3 Days

Who should attend
- System administrators and others responsible for managing operations on the AWS platform

Prerequisites
- Working knowledge of systems administration
- Familiarity with cloud computing concepts
- Command line experience

Objectives
- Systems Operations on AWS is designed to help new and existing AWS customers build and operate highly available, scalable, and reliable applications using the AWS Cloud. This course will teach you how to build processes by understanding key elements of application deployment, performance, and operations of AWS cloud resources.

DevOps Engineering on AWS (AWSDEVOPS)

ID AWSDEVOPS | Duration: 3 Days

Who should attend
- System Administrators
- Software Developers

Prerequisites
- Attended Systems Operations on AWS (AWSSYS) or
- Attended Developing on AWS (AWSD)
- Working knowledge of one or more high-level programming languages (C#, Java, PHP, Ruby, Python, etc.)
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Objectives
- DevOps Engineering on AWS demonstrates how to use the most common DevOps patterns to develop, deploy and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small-medium business, and enterprise development scenarios.

Security Engineering on AWS (AWSSO)

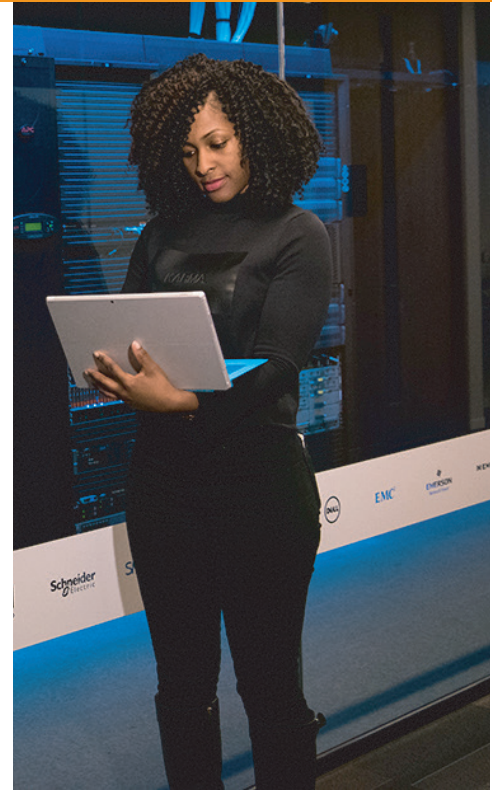**ID AWSSO| Duration: 3 Days**

Who should attend
- Security engineers
- Security architects
- Security analysts
- Security auditors
- Individuals who are responsible for governing, auditing, and testing an organization's IT infrastructure, and ensuring conformity of the infrastructure to security, risk, and compliance guidelines

Prerequisites
- Attended AWS Security Fundamentals
- Experience with governance, risk, compliance regulations
- and control objectives
  Working knowledge of IT security practices
- Working knowledge of IT infrastructure concepts
- Familiarity with cloud computing concepts

Objectives
- Security Operations on AWS demonstrates how to efficiently use AWS security services to stay secure and compliant in the AWS cloud. The course focuses on the AWS-recommended security best practices that you can implement to enhance the security of your data and systems in the cloud. The course highlights the security features of AWS key services including compute, storage, networking, and database services. This course also refers to the common security control objectives and regulatory compliance standards and examines use cases for running regulated workloads on AWS across different verticals, globally. You will also learn how to leverage AWS services and tools for automation and continuous monitoring—taking your security operations to the next level.

Big Data on AWS (BDAWS)

ID BDAWS | Duration: 3 Days

Who should attend
- Individuals responsible for designing and implementing big data solutions, namely Solutions Architects
- Data Scientists and Data Analysts interested in learning about big data solutions on AWS

Prerequisites
- Basic familiarity with big data technologies, including Apache Hadoop,
- MapReduce, HDFS, and SQL/NoSQL querying
- Students should complete the Big Data Technology Fundamentals web-based training or have equivalent experience
- Working knowledge of core AWS services and public cloud implementation
- Students should complete the AWS Technical Essentials (AWSE) course or have equivalent experience
- Basic understanding of data warehousing, relational database systems, and database design

Objectives
- Big Data on AWS introduces you to cloud-based big data solutions such as Amazon Elastic MapReduce (EMR), Amazon Redshift, Amazon Kinesis and the rest of the AWS big data platform. In this course, we show you how to use Amazon EMR to process data using the broad ecosystem of Hadoop tools like Hive and Hue. We also teach you how to create big data environments, work with Amazon DynamoDB, Amazon Redshift, and Amazon Kinesis, and leverage best practices to design big data environments for security and cost-effectiveness.

Migrating to AWS (AWSM)

ID AWSM | Duration: 2 Days

Who should attend
- IT professionals involved in projects related to migrating existing workloads to the AWS cloud
- Individuals who are part of an organization's cloud Center of Excellence (CoE)

Prerequisites
- Courses taken: AWS Business Essentials (AWSBE); AWS Technical Essentials (AWSE);
- Architecting on AWS (AWSA)
- Certifications achieved (optional): AWS Certified Solutions Architect – Associate Level Familiarity with enterprise IT infrastructure (hardware and software)

Objectives
- Migrating to AWS discusses how to plan and successfully migrate existing workloads to the AWS cloud. The course focuses on various cloud migration strategies with a detailed discussion on each phase of the migration process, including portfolio discovery, application migration planning and design, migration execution, and post-migration validation and application optimization. This course includes hands-on labs, group activities, and case studies to help reinforce the concepts learned.

Deep Learning on AWS (AWSDL)

ID AWSDL | Duration: 1 Day

Who should attend
- Developers responsible for developing DL applications
- Developers who want to understand concepts behind deep learning and how to implement a DL solution on AWS

Prerequisites
- Basic understanding of ML processes
- Basic understanding of AWS core services like EC2 and knowledge of AWS SDK
- Basic knowledge of a scripting language e.g. Python

Objectives
- Deep Learning ILT introduces you to cloud based deep learning solutions on AWS. In this course, we will detail how deep learning is useful and explain the different concepts in deep learning. This course also teaches you how to run your models on the cloud using Amazon EC2 based Deep Learning AMI and MXNet framework. This course will help you gain a better understanding of deploying your deep learning models using AWS services like AWS Lambda, Amazon EC2 Container Service (ECS) while designing intelligent systems on AWS based on deep learning.

Building a Serverless Data Lake (BSDL)

ID BSDL | Duration: 1 Day

Who should attend
- Solutions Architects
- Big Data Developer
- Data Architects and Analysts
- Other data analysis experts

Prerequisites
- Good practical knowledge of key AWS services such as Amazon Elastic Compute Cloud (EC2) and Amazon Simple Storage Service (S3)
- Experience with a programming or scripting language
- First knowledge of the Linux operating system and the command line interface
- Notebook required to take part in the exercises, tablets are not suitable

Objectives
- Building a Serverless Data Lake is a one-day Advanced Boot Camp where you'll learn how to design, build, and operate a serverless Data Lake solution with AWS services. The Bootcamp deals with issues such as capturing and securely and long-term storage of large amounts of data from any data source to create the right conditions for using the right tool to process large amounts of data and to understand the options available for near real-time data analysis.

About Fast Lane

The worldwide Fast Lane Group specializes in technology and business training and high-end consulting. Fast Lane is an authorized and award-winning training partner of leading manufacturers and also offers its own IT training programs on current technologies and key trends. Manufacturer-independent consulting services range from preparatory analyzes and evaluations, to the development of future-oriented IT solutions, to project management and the implementation of concepts in the company. Training-on-the-job and further qualification of the responsible specialists at the customers combine the core areas of Fast Lane services training and consulting.

Our Services:
- High-end technology training
- Business & soft skill training
- Consulting Services
- Sales & Business Enablement
- Managed Services
- E-Learning
- Remote Labs
- Content Development
- Guarantee Dates
- Onsite Training
- Talent Programs

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