

# AWS Training: A Comprehensive Introduction to Amazon Web Services

Level: Intermediate

RATING: 4.73/5 Based on 329 Reviews

This introduction to Amazon Web Services (AWS) training will give you the skills to deliver significant technical and business benefits by fully leveraging AWS as a secure, flexible, scalable cloud services platform. AWS offers computing power, database storage, content delivery, and other functionality to help businesses scale and grow. You can choose between an in-class, online, or blended delivery. Jump-start your career in cloud computing with our introduction to AWS training today!

## Key Features of this Introduction to AWS Training:

- Choose from blended on-demand and instructor-led learning options
- After-course instructor coaching benefit
- Learning Tree end-of-course exam included
- After-course computing sandbox included

## You Will Learn How To:

- Apply best practices for creating an AWS-based cloud solution
- Leverage AWS computing services to provision virtual machines
- Implement highly durable and reliable storage systems
- Transparently handle spikes in demand with elastic load balancing and auto scaling

## Choose the Training Solution That Best Fits Your Individual Needs or Organizational Goals

### Blended Learning - On-Demand & Live Review Session

PRODUCT #70H7 - \$1090

Unlimited annual access to:

- 3 on-demand courses
- 5 eBooks
- 1-day instructor-led review session

### Live, Instructor-Led - In Class & Live, Online Training

PRODUCT #1205 - \$2990

- 4-day instructor-led training course
- Earn 23 NASBA CPEs (live, in-class training only)
- Earn 23 CompTIA CEUs
- One-on-one after-course instructor coaching
- After-course computing sandbox
- Pay later by invoice -OR- at the time of checkout by credit card

### Premium Training - Unlimited Access to Everything

PRODUCT #70H8 - \$3290

Unlimited annual access to:

- 3 on-demand courses
- 5 eBooks
- 1-day instructor-led review session

- 4-day instructor-led training course
- Earn 23 NASBA credits (live, in-class training only)
- One-on-one after-course instructor coaching
- Learning Tree end-of-course exam included
- After-course computing sandbox included

## Training At Your Site - Team Training

PRODUCT #1205 - \$2990

- Bring this or any training to your organization
- Full - scale program development
- Delivered when, where, and how you want it
- Blended learning models
- Tailored content
- Expert team coaching

### On-Demand & Live Review Session

## AWS Introduction Blended Training Information

### • Blended Learning Training Description

This product offers access to 3 on-demand courses and 5 eBooks that have been mapped directly to the objectives of the 4-day AWS introduction course. At any time during your annual access to this offering, you may attend one of our 1-day course events focused specifically on {course:1688}.

## On-Demand Training Content

### • On-Demand Course List

- AWS Certified SysOps Administrator - Associate (SO1 - CO1) Certification
- AWS MasterClass: Storage & CDN - AWS S3 & AWS CloudFront
- Reliability and Resilience on AWS

### • eBooks

- Learning AWS
- Effective DevOps with AWS
- AWS Certified Developer - Associate Guide
- AWS Certified SysOps Administrator - Associate Guide
- Mastering AWS Security

## AWS Introduction Training FAQs

### • What background do I need?

- Basic understanding of cloud computing concepts
- Knowledge of computing platform environments and networks
- Familiarity with AWS services
- A working knowledge of Java, C#/.Net, or Python

### • Is the on-demand content the same as the 3-day instructor class?

No. While the content selected does map to the objectives of the instructor-led course, it does not include a recorded version of the instructor-led class. The objectives have been re-imagined to be presented in digital, self-guided formats.

### • What on-demand content will I receive?

An outline of the content you will receive can be seen above.

### • Does this include any practical, hands-on learning?

Yes! Each book and video begins with a step by step guide for you to set up a coding environment on your personal computer. The course content is full of examples and practical advice, followed up by the chance to embed your learning through real world

tasks. All example code is available to download, copy and use - giving you the chance to work and practice as you read and watch.

- **How will I access my course materials if I choose this method?**

Once payment is received, you will receive an email from Learning Tree with all the links and information you need to get started.

- **How can I sign up for a review session?**

- Once you are enrolled in the program, specific details and dates will be sent to you.

## **One Day Instructor-Led Review**

You'll be able to register for a Training Review Session at any time after you've placed your order.

### **In Class & Live, Online Training**

## **Introduction to AWS Training Information**

- **AWS Training Course Description**

What is Amazon Web Services? In this intensive AWS fundamentals course, you'll learn how the AWS suite of IT cloud computing services can be used separately or in combination to address common problems in computing and how to develop robust, flexible, and cost-effective cloud solutions.

- **Recommended Experience**

- Basic understanding of cloud computing concepts
- Knowledge of computing platform environments and networks

- **Who Should Attend**

If your role requires you to demonstrate business benefits of AWS and if you're ready to move beyond foundational cloud computing understanding, this course is for you

- **Software**

- An AWS account is provided for your use during the course

- **All-Inclusive: After-Course Coaching for real-world application**

Learning Tree is with you from the beginning of your planning until you return to your job ready to apply your new skills – with instructor coaching to answer real-world Amazon cloud computing implementation challenges.

- **Take Your AWS Course Online or In-person:**

Schedules are busy, but amazon AWS training online makes it easy to up-level your career. If you need AWS online training, we've got you covered. Our AnyWare course delivery option gives you the advantages of a live classroom right from the comfort of your computer screen – no matter where you are.

- **Industry Credits & Certification**

This course offers you the opportunity to earn the following industry credits and certifications:

- [23 CompTIA CEUs](#)
- 23 NASBA Credits (live, in-class attendance required)

- **After-Course Computing Sandbox**

You'll be given remote access to a preconfigured virtual machine for you to redo your hands-on exercises, develop/test new code, and experiment with the same software used in your course.

## **Introduction to AWS Training Outline**

- **Introduction to AWS Cloud Computing**

- Getting started with Amazon Web Services (AWS)**

- Creating accounts and analyzing the cost breakdown
    - Evaluating Service Level Agreements (SLA)
    - Console, command-line tools and API

- Overview of the architecture**

- EC2
    - S3
    - EBS
    - Beanstalk
    - RDS
    - VPC
    - CloudFront
    - SimpleDB
    - SQS
    - CloudWatch

- **Achieving Agility with EC2**

- Managing the EC2 infrastructure**

- Browsing Amazon Machine Images (AMI)
    - Specifying security groups and key pairs

- Provisioning resources**

- Evaluating Elastic Block Store (EBS) and instance store root devices
    - Assigning elastic IP addresses
    - Mapping instance types to computing needs

- **Implementing Durable and Reliable Storage**

- Storing data in the cloud**

- Persisting off-instance storage with EBS volumes
    - Creating backups with snapshots
    - Achieving high durability with SimpleStorage Service
    - Transmitting data in/out of the Amazon cloud

- Simplifying the database infrastructure**

- Achieving high availability of nonrelational data with SimpleDB
    - Effortlessly implementing a relational database with Relational Database Service (RDS)

- Creating cost-effective distributed solutions**

- Decoupling applications with Simple Queue Service
    - Leveraging CloudFront for high-performance edge cache content delivery
    - Delivering static and streaming content

- **Adapting EC2 to Your Business Needs**

- Customizing virtual machines**

- Modifying existing images
    - Creating new images off of running instances
    - Converting an instance store AMI to an EBS AMI

- Creating an AWS cloud architecture**

- Applying best practices for a cloud solution
    - Selecting a cloud setup for different use case scenarios

- **Handling Dynamic Resource Requirements**

- Monitoring from inside or outside of the cloud**

- Visualizing utilization metrics with CloudWatch
- Setting alarms to send and receive notifications

#### **Transparently scaling to meet load variations**

- Distributing incoming traffic with elastic load balancing
- Dynamically adding and removing instances with Auto Scaling
- Setting capacity thresholds

### • **Hosting Applications with Elastic Beanstalk**

#### **Improving application delivery with Platform as a Service (PaaS)**

- Deploying scalable applications on the AWS cloud
- Selecting and launching an application environment

#### **Managing application environments**

- Customizing and configuring platform stacks
- Provisioning application resources with CloudFormation

### • **AWS Security Features**

#### **Controlling account security**

- Configuring access credentials
- Managing users with Identity Access Management (IAM)

#### **Leveraging the Virtual Private Cloud (VPC)**

- Launching EC2 instances in private subnets for extra security
- Bridging EC2 instances to your internal network with a VPN
- Organizing EC2 instances in separate subnets with a VPC

## **AWS Introduction Training FAQs**

### • **What background do I need for this AWS Introduction Course?**

- Basic understanding of cloud computing concepts
- Knowledge of computing platform environments and networks

### • **What is Amazon Web Services?**

It is a flexible and scalable cloud computing solution to maximize your cloud investment. AWS offers computing power, database storage, content delivery and other functionality to help businesses scale and grow.

### • **What are benefits of Amazon Web Services?**

A huge benefit of AWS is how flexible and reliable it is. It enables you to select the operating system, programming language, web application platform, database, and any other services you need. The virtual environment you receive lets you load any software and services your application requires.

### • **How do I get AWS certified?**

Interested in AWS certification? We've got you covered with real-world AWS courses built to help prepare for your AWS Certification exam. Once you successfully complete select [AWS training courses](#), you'll be ready for your AWS Certification exam which you'll take through a AWS Certified Cloud Practitioner.

## **Unlimited Access to Everything**

## **AWS Introduction Unlimited Access Blended Training Information**

### • **AWS Introduction Unlimited Access Blended Training Description**

This product offers access to 3 on-demand courses and 5 eBooks that have been mapped directly to the objectives of the 4-day course. At any time during your annual access to this offering, you may attend one of our 1-day course events focused specifically on {course:1688}. Enrolling in this bundle also grants you access to any of our multi-day Introduction to AWS (Course 1205) training events.

## On-Demand Training Outline

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### Team Training

## Schedule of events

### In the Classroom — OR — Live, Online

Tuition — Standard: \$2990 Government: \$2659

Feb 18 - 21 Atlanta / Online (AnyWare) (4 Days)

Feb 18 - 21 Boston / Online (AnyWare) (4 Days)

Feb 18 - 21 Philadelphia / Online (AnyWare) (4 Days)

Feb 18 - 21 Herndon, VA / Online (AnyWare)\*\* (4 Days)

Mar 24 - 27 San Francisco / Online (AnyWare) (4 Days)

Apr 7 - 10 Alexandria, VA / Online (AnyWare) (4 Days)

Apr 14 - 17 Washington, DC / Online (AnyWare) (4 Days)

May 5 - 8 New York / Online (AnyWare) (4 Days)

May 19 - 22 Denver / Online (AnyWare) (4 Days)

May 26 - 29 Austin / Online (AnyWare) (4 Days)

Jun 2 - 5 Greenbelt,MD / Online (AnyWare) (4 Days)

Jun 9 - 12 Rockville, MD / Online (AnyWare) (4 Days)

Jun 16 - 19 Seattle / Online (AnyWare) (4 Days)

Jul 14 - 17 Toronto / Online (AnyWare) (4 Days)

Jul 28 - 31 Ottawa / Online (AnyWare) (4 Days)

Aug 11 - 14 Greenbelt,MD / Online (AnyWare) (4 Days)

Aug 18 - 21 Atlanta / Online (AnyWare) (4 Days)

Aug 18 - 21 Boston / Online (AnyWare) (4 Days)

Aug 18 - 21 Philadelphia / Online (AnyWare) (4 Days)

Aug 18 - 21 Herndon, VA / Online (AnyWare) (4 Days)

Aug 25 - 28 Austin / Online (AnyWare) (4 Days)

Sep 15 - 18 San Francisco / Online (AnyWare) (4 Days)

Oct 6 - 9 Alexandria, VA / Online (AnyWare) (4 Days)

Oct 13 - 16 Washington, DC / Online (AnyWare) (4 Days)

Nov 3 - 6 New York / Online (AnyWare) (4 Days)

Nov 10 - 13 Denver / Online (AnyWare) (4 Days)

Nov 17 - 20 Greenbelt,MD / Online (AnyWare) (4 Days)

Dec 15 - 18 Seattle / Online (AnyWare) (4 Days)