

Develop skills in designing, building, and managing modern applications

# Innovate with Agility

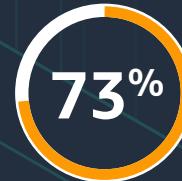


# There's a skills gap impacting modern application development

Cloud adoption continues to accelerate at a rapid pace. In order to remain competitive and achieve cloud objectives, companies need to know how to close the cloud skills gap, pick up the pace of digitalization, and win business. Companies want to foster an environment in which innovation thrives, so they need to change the way they design, build, and manage applications. This change requires a new set of development and operational skills and practices.

Modern application development practices allow your teams to create robust, reliable, secure, and scalable applications that customers love to use. Unfortunately, many organizations struggle to hire cloud-computing practitioners who can drive agility into application development and help build a thriving enterprise. Today, those IT professionals who can keep pace with the rapid changes in cloud technology are in high demand by organizations eager to fill the widening cloud skills gap.

## A lack of cloud skills impacts performance



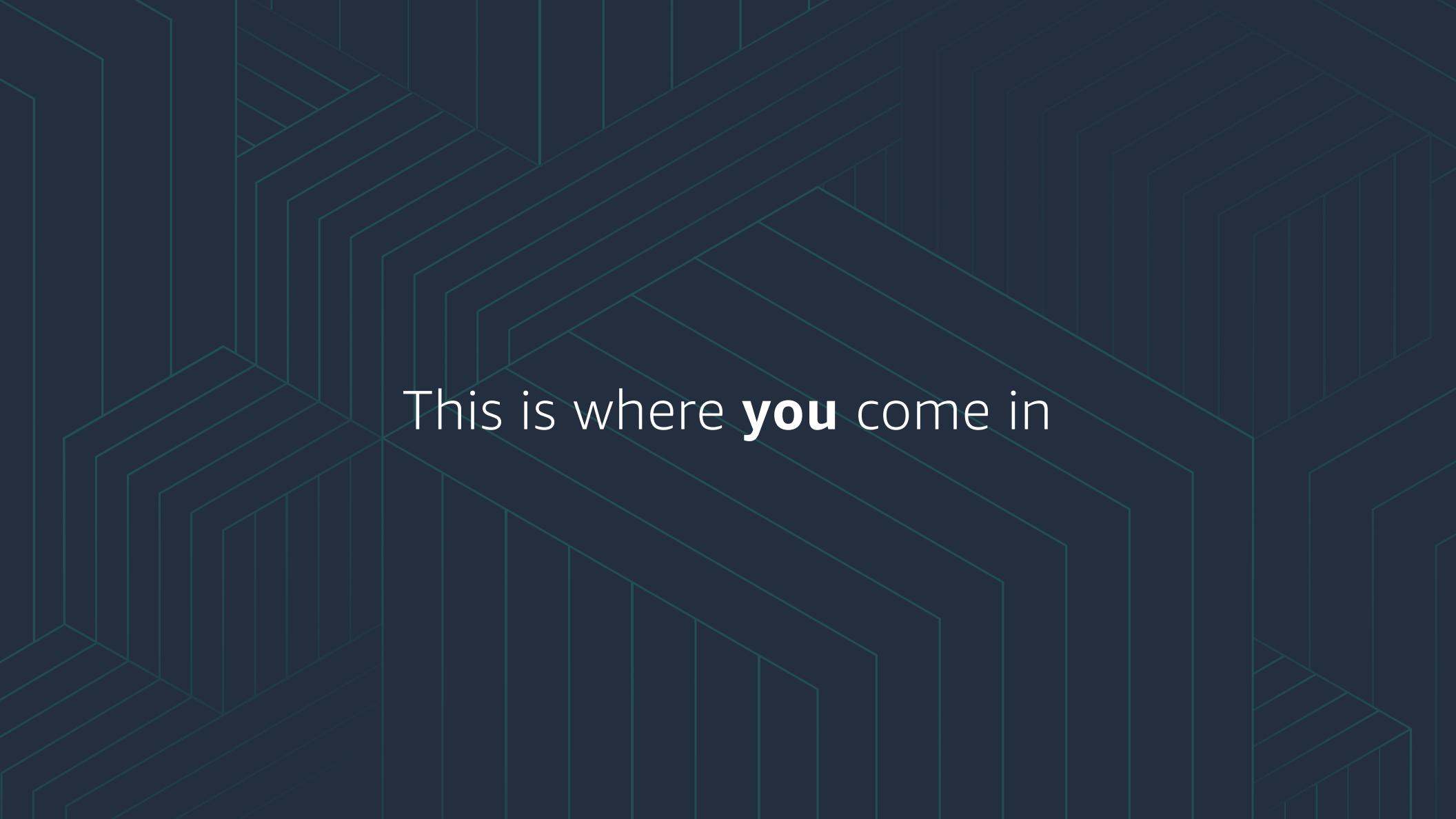
of IT decision-makers have either already adopted cloud technology or plan to do so within the next three years.<sup>1</sup>



of IT decision makers say their teams face a shortage of the IT skills needed most to meet organizational goals.<sup>2</sup>



of companies are most likely to have already migrated or are currently migrating websites and web apps to the cloud.<sup>1</sup>



This is where **you** come in

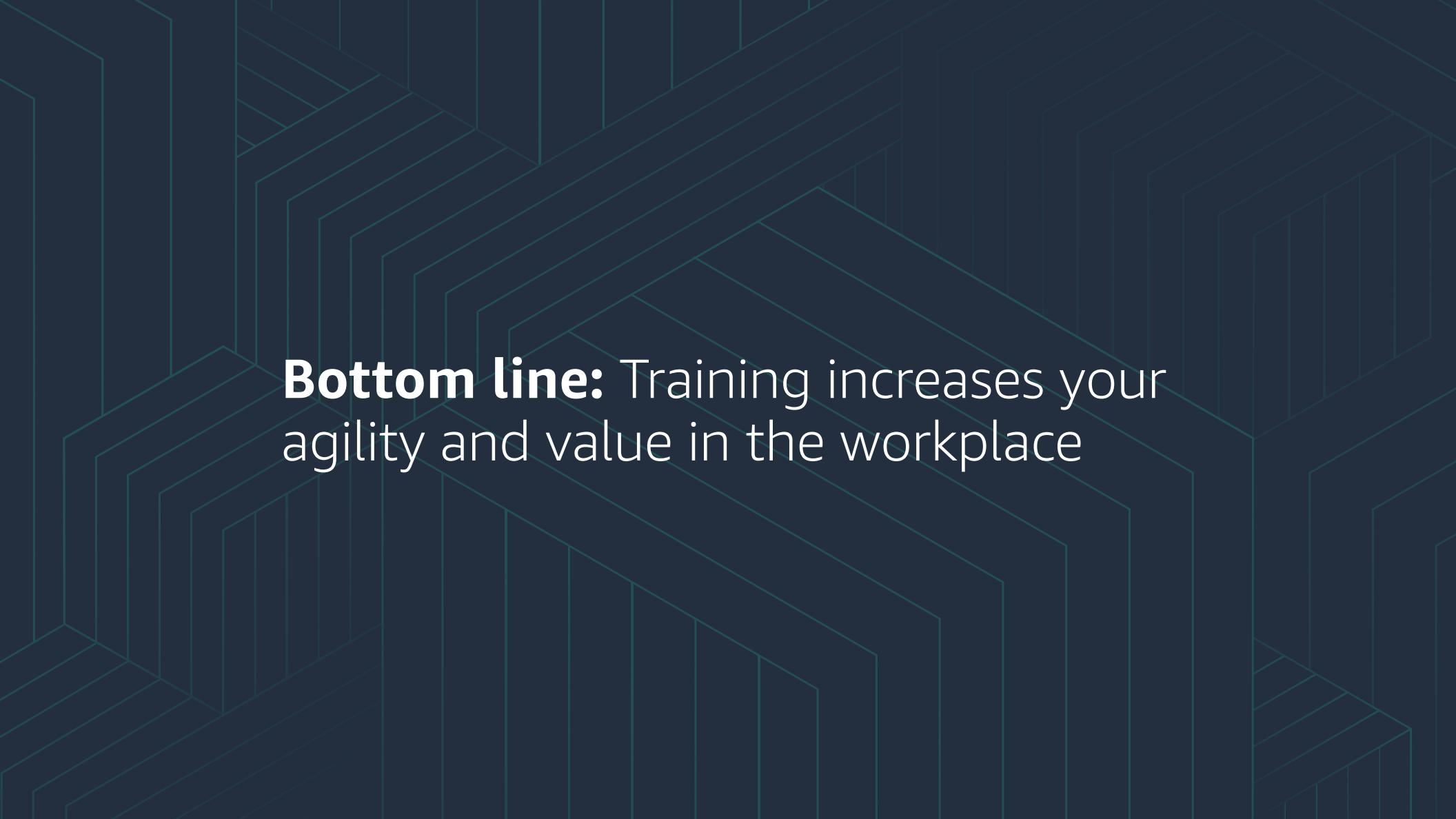


**Training helps you deliver deeper value with confidence**

## The right training increases your value

You can bridge the skills gap, gain confidence in your skills, and become even more valuable to your employer through cloud training. While nothing replaces hands-on operations or developer experience in cloud environments, IT professionals in every role can take advantage of self-paced learning and in-depth cloud training to gain a better understanding of cloud technology and enhance modern application development skills.

**Training helps you build the technical skills and confidence that make you more productive and valuable in the workplace**, and it's also an excellent way to stay relevant and keep your competitive edge. Modern application development requires a new way of thinking, working, and collaborating to rapidly produce high-quality software. When you gain a strong foundation in cloud services and delivery, you can build more sophisticated solutions in the cloud, which allows you to deliver deeper value to your company and solidify the foundation for your future career.



**Bottom line:** Training increases your agility and value in the workplace

# Training the agile, modern enterprise

Today more than ever, cloud experts like you are key to innovation in the enterprise. When companies help up-level their highly capable staff by encouraging training and knowledge sharing, the economic advantages multiply. When individual contributors transform into modern application developers, companies deliver better solutions to market, faster. But cloud training isn't just for IT professionals. Businesses should adopt a comprehensive training strategy that raises the cloud skills of the whole organization. [Basic online courses](#)

**and fundamentals training** provide the broader team with the essential knowledge they need to understand modern application development best practices in the cloud, while **intermediate and advanced technical training** helps educate staff that will architect and build next-generation, cloud-based solutions. These comprehensively trained organizations are better positioned to innovate in the cloud—but sometimes it can be difficult to convince employers of the value of training.



**Comprehensively trained organizations reap benefits**



**Trained team members use best practices to complete cloud projects more effectively**

## Enable modern application development with the common language of cloud

Training has profound benefits for all kinds of organizations, but the value of technical training sometimes isn't obvious to employers. They may not see the practical advantages of spending time and money on cloud training for their current staff.

**In reality, giving your existing staff a common cloud foundation is the most cost-effective way**

**to transform your development practices. When you train your entire business, they can work proactively toward modern application development best practices and common goals. Your staff becomes agile and innovative, all while saving your company money and time.**

"Training speeds up the innovation process and improves the relationship between IT and line of business."

Peter Loeffler, Siemens Building Technologies

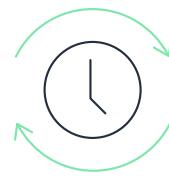
# 10 reasons your boss should support cloud training

**1**

Troubleshoot technical problems without outside help

**2**

Increase the reliability and efficiency of your cloud

**3**

Keep IT staff cloud skills up to date

**4**

Provide long-term savings to your organization

**5**

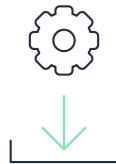
Help IT staff perform their jobs better

**6**

Reduce downtime impact

**7**

Improve the implementation of new technology

**8**

Decrease the time to install and configure solutions

**9**

Elevate levels of service and support to customers and IT end users

**10**

Gain an edge over less-trained organizations

# Ready, set, modernize

AWS Training and Certification teaches how AWS services can help organizations and developers build cloud fluency with modern application development skills and offers certifications to validate expertise.

Learners can engage in training, from short online videos to digital curriculum, from classroom courses delivered by instructors in public classes around the world to private, on-site training suited to their needs. Whether they choose courses on Serverless, Elastic Container Service, or automated continuous integration and continuous delivery (CI/CD), learners can approach their cloud projects with the know-how they need to have.

Modern application development starts with the right DevOps and microarchitecture mindset, and the use of modern tools such as serverless, containers, and automation, as well as natural language processing and machine learning. Learn how to go serverless and create competitive differentiation by focusing on your application instead of your infrastructure.

"We have less outages, our costs are going down, we're getting leaner with the way we use AWS. In that [training] investment we're definitely seeing the payoffs now."

Alan Williams, Enterprise Architect, Autodesk



**Learn best practices in Modern Application Development from the experts at AWS**

# Start your modern application development journey with AWS Training and Certification

## Types of training



### Hands-on experience

The best type of training actually happens on teams, where you gain the practical knowledge you need to develop and operate in real cloud environments. Three to six months of hands-on experience will give you a good baseline of working knowledge.



### Digital training

With a little time and initiative, you can enhance your practical cloud knowledge through on-demand, online training. These e-learning courses, which vary in length from one hour to one day, help you broaden your understanding of specific subjects.



### Classroom training

Whether it's a physical or virtual setting, classes offer more in-depth training for those who want to deepen their technical skills. Classes are a mix of presentations, hands-on labs, and group discussions led by experts in their fields.



### Self-guided study

Independent learning allows you to fill in gaps in your knowledge and learn new topics at your own pace. There's a wide range of whitepapers, blog posts, videos, webinars, use cases, and peer resources available for IT professionals who want to dive deep into specific technical topics.

# Get hands-on experience in a live classroom

Dive deep with a mix of presentations, peer discussion, and interactive labs to break down complex topics in real time

## Featured courses:

### Running Container-Enabled Microservices on AWS

*Developers, System administrators, solution architects*

Teaches you how to manage and scale container-enabled applications by using Amazon EC2 Container Service (ECS). Highlights the challenges of running containerized applications at scale and provides guidance on creating and using Amazon EC2 to develop and deploy containerized microservices-based applications.

[LEARN MORE](#)

### Developing on AWS

*Experienced software developers who are already familiar with AWS Services*

Uses the real-world scenario of taking a legacy, on-premises monolithic application and refactoring it into a serverless microservices architecture. Covers advanced development topics such as architecting for a cloud-native environment; deconstructing on-premises, legacy applications and repackaging them into cloud-based, cloud-native architectures.

[LEARN MORE](#)

# Flexibility to learn your way

## Featured Digital Training Courses for Serverless:

- [AWS Lambda Foundations](#)
- [Getting into the Serverless Mindset](#)
- [Amazon API Gateway for Serverless Applications](#)
- [AWS Lambda Function Security & Defense in Depth](#)
- [Deep Dive: Lambda@Edge](#)

## Advanced Developing on AWS

- [Amazon Elastic Container Service \(ECS\) Primer](#)
- [Amazon Elastic Container Service for Kubernetes \(EKS\) Primer](#)
- [Deep Dive on Container Security](#)
- [Deep Dive on AWS Fargate: Building Serverless Containers at Scale](#)



## Did you know?

95%

of IT decision-makers that employ an AWS Certified IT professional say that their certified team members bring added value above and beyond the cost of certification.<sup>1</sup>

**Learn more about AWS Certification**

Source: <sup>1</sup>2018 IT Skills and Salary Report, Global Knowledge.

# Your modern application development journey starts with AWS Training and Certification

Modern application development best practices give your company the agility it needs to innovate faster. But your company needs certified staff who have validated cloud knowledge to succeed. AWS Training and Certification can help you achieve your business goals and innovate faster, by learning to change the way you design, build, and manage applications with modern application development. By learning new skills, you can shift resources from standard and undifferentiated operations, such as managing and provisioning infrastructure, to differentiating activities, to experiment more, and bring ideas to market faster.

AWS Certification helps everyone:

- **Employees:** Complete projects faster and troubleshoot with confidence. 70% of IT professionals who prepared for certifications in the past year reported they were more effective at work.<sup>1</sup>
- **Businesses:** Cultivate AWS Certified talent to confidently use the AWS Cloud to achieve your business goals and improve customer satisfaction.

# Validate your expertise in modern application development with an AWS Certification

Earn an industry-leading credential that proves you have the cloud skills to innovate using AWS

## AWS Certified DevOps Engineer – Professional

*DevOps engineers with two or more years of experience on AWS*

This exam tests an engineer's experience provisioning, operating, and managing AWS environments. Examinees will show an understanding of how to build highly scalable, available, and self-healing systems on the AWS platform and to design, manage, and maintain tools to automate operational processes.

[REGISTER](#)

## AWS Certified Developer – Associate

*Developers with one or more years of hands-on experience on AWS*

This exam validates an understanding of core AWS services, uses, and basic AWS architecture best practices. Examinees must demonstrate proficiency in developing, deploying, and debugging cloud-based applications using AWS.

[REGISTER](#)

# It's your move

Start your company on the journey of modern application development with the right training, and embrace best operational practices to create competitive differentiation so you can deliver more innovative applications, faster.

Get started **today**