



# Accelerate modernization with AWS Training

Upskill your workforce to achieve  
digital transformation

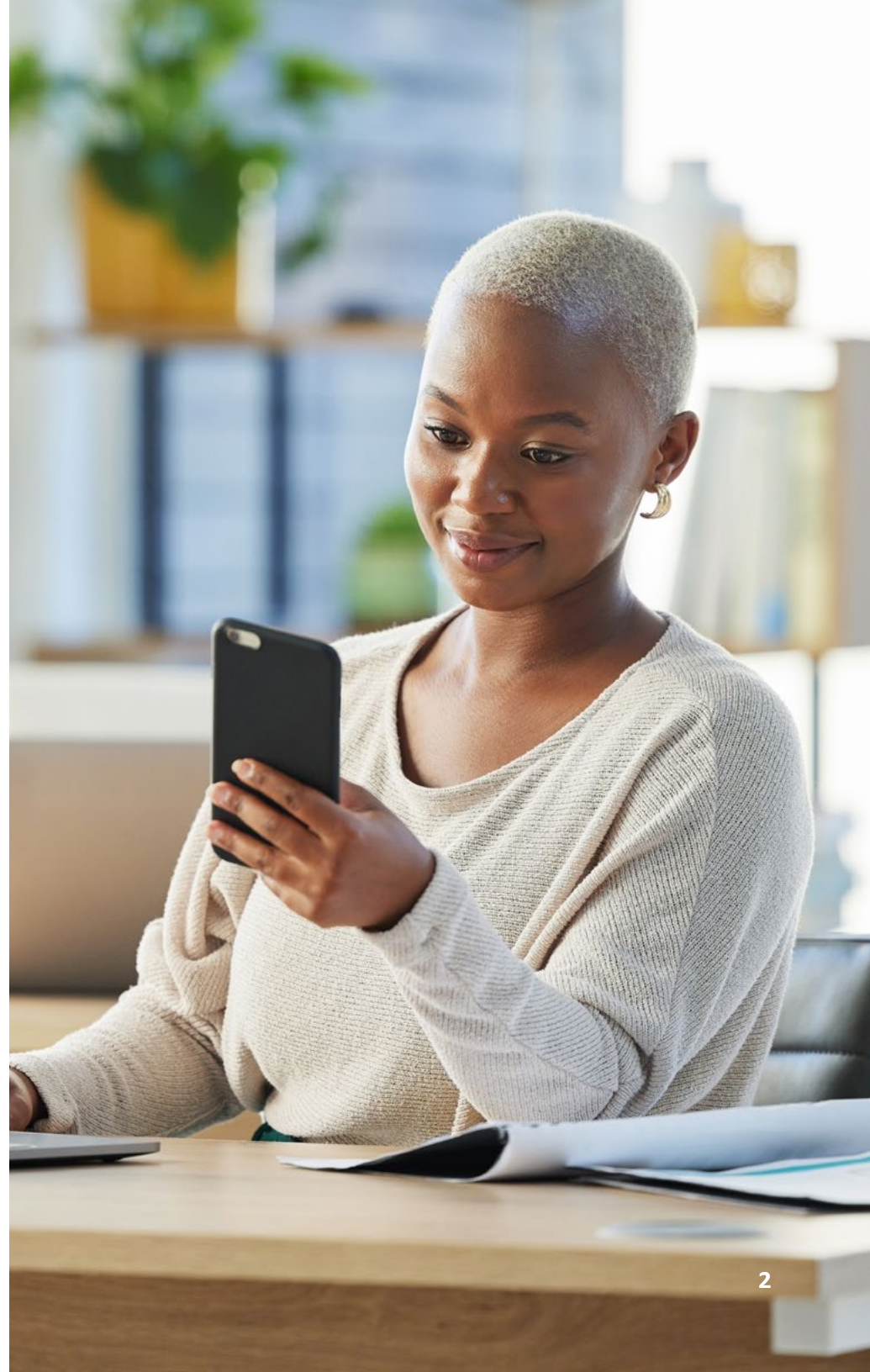


# The acceleration of modernization

To accelerate digital modernization and achieve business goals, a workforce equipped with the most relevant, up-to-date cloud skills is critical. With 64 percent of IT decision makers identifying modernization as their top priority through 2023,<sup>1</sup> access to continuous cloud training for your teams and employees is an essential prerequisite to successfully achieve modernization.

Teams empowered with cloud skills are more agile, drive rapid innovation, and respond to issues faster. Today, workforces are required to quickly scale capacity, support online transactions and remote workers, and address supply chain constraints. With **AWS Training and Certification**, your employees and teams can move forward fearlessly on a continuous learning journey—to utilize the cloud efficiently and effectively, accelerate modernization, and propel business growth for your organization and your customers.

Amazon Web Services (AWS) equips leaders and learners with the skills needed to build, run, and scale virtually any modern application with increased innovation and speed. Ultimately, AWS Training can help determine the success of an organization's modernization efforts.



"Aiming For Innovation: Cloud In The US Today," Forrester, June 2022



# What are modern applications?

## Modern applications are:

- Built and deployed with modular architectural patterns, serverless operational models, and agile developer processes
- Deployed via automated DevOps pipelines that allow independent teams to iterate quickly while avoiding the cost of error-prone manual deployments
- Powered by the latest technologies, like generative AI, in building and operating applications

## Modern applications allow you to:

- Accelerate time to market—by speeding up the build and release cycles and offloading operational overhead to AWS
- Innovate faster—by allowing you to change application components quickly with lower risk to the whole application
- Reduce risk through monitoring and automated test procedures
- Improve total cost of ownership (TCO) with a pay-for-value pricing model and lower maintenance costs
- Enable agility to build with the right tools based on the needs of the organization and each unique workload

# Modernization requires hard-to-find talent and skills

Moving forward with the pace of innovation requires not just technology but also savvy, trained teams that can deliver on the promise of digital transformation. Without a skilled workforce to build, run, and scale applications with efficiency, agility, and speed, modernization efforts can grind to a halt. Modernization of infrastructure and networks ranks as the most important digital transformation initiative for organizations worldwide, with modernization of applications among the top five initiatives.<sup>2</sup> So how can organizations maximize their cloud investment and unlock the full value of AWS capabilities to accelerate modernization? It requires continuously investing in the cloud skills of your workforce today to ensure your organization is future-proofed for tomorrow.

The development and operation of modern applications are critical factors to the TCO and the pace of innovation at an organization. Simply put, to gain competitive advantage and benefit from the cloud, organizations need to innovate and build modern applications faster.<sup>3</sup> To be successful, multiple skilled employees are needed, including:

- Developers who understand and can build modern applications
- Administrators and cloud architects who can design and manage these modern applications
- Data engineers who can build modern data strategies to manage, act on, and react to data to make better decisions, respond faster, and uncover new opportunities
- Senior leaders who are ready to put these applications to use to improve the business

However, organizations are quickly realizing the key challenge disrupting their modernization efforts—a shortage of skilled talent. The reality is that five million cloud jobs are unfilled globally,<sup>4</sup> and 64 percent of decision makers say cloud skills gaps exist across their teams.<sup>5</sup> Without a skilled workforce, by 2026, businesses that don't effectively address the talent and digital skills gap in their organization will constrain revenue growth opportunities by 20 percent.<sup>6</sup> To ensure organizations can meet the demands of accelerated modernization, closing the skills gap with a culture of continuous training is a critical step. Otherwise, organizations risk not meeting their modernization goals.

<sup>2</sup> "IDC State of Global Skills," IDC, October 2022

<sup>3</sup> "Understanding the Value of AWS Training to Organizations," Enterprise Strategy Group (ESG), January 2023

<sup>4</sup> Draup (AI-powered Talent Intelligence Platform), 2022

<sup>5</sup> "Understanding the Value of AWS Training to Organizations," Enterprise Strategy Group (ESG), January 2023

<sup>6</sup> "IDC FutureScape: Worldwide Digital Business Strategies 2023 Predictions," IDC, October 2022

Over the next 24 months, **75%** of organizations plan to increase cloud head count by more than **20%**<sup>6</sup>—now is the time to invest in the skills of your workforce.

## HOW AWS TRAINING ENABLES MODERNIZATION

# Modernize faster with AWS Training

Behind every successful modernization story is a modern agile team. Organizations that keep pace with the acceleration of modernization know that the goalposts never stop moving. While AWS offers the most comprehensive set of capabilities—the broadest and deepest choice of compute and storage, the broadest portfolio of databases, and over 200 services, including serverless, Kubernetes, generative AI, and more—integrating and optimizing all these capabilities can be a challenge for even the most cloud-fluent organizations.

Ultimately, with the right skill set, your workforce can become more efficient and reach digital transformation goals faster. Critical to business success is a culture of continuous learning, where teams can gain the skills to modernize, evolve, and accelerate product and service innovation. Ninety-two percent of decision makers have found that AWS Training significantly improves overall operational efficiency.<sup>7</sup> In fact, 91 percent of organizations report faster project completion with AWS Training and Certification.<sup>7</sup>

AWS recommends the following guidelines when approaching cloud training and development for your workforce:

- Invest in training to develop all talent, not just technical roles
- Build cloud fluency across teams with varying technical capabilities to create a new operating model in response to organizational priorities
- Develop a culture of continuous learning to attract and retain your current teams instead of chasing and competing for a limited number of experienced professionals

<sup>7</sup> DeMattia, A., "Understanding the Value of AWS Training to Organizations," Enterprise Strategy Group (ESG), January 2023



## CASE STUDY

# Absa adopts AWS Skills Guild to accelerate transformation

Absa is one of Africa's largest diversified financial services groups, providing banking, insurance, and wealth management services to global customers.

Absa was built on a diverse array of infrastructure and needed to modernize. It engaged with AWS for an innovative approach to achieve widespread cultural change and embrace a cloud-first mindset.

Absa built the Cloud Incubator, leveraging the AWS Skills Guild model for cloud training. Its intention was to create excitement about the cloud and develop proficiency to build directly in the cloud, shifting its operational mindset to a DevOps model. Providing foundational knowledge, multidisciplinary teams could work together at scale, quickly and efficiently driving business value.

In only 18 months from the launch of the Cloud Incubator, Absa upskilled over 4,500 employees and provided opportunities for more than 400 people to earn an **AWS Certification**. Employees can now experiment and prototype quickly, leading to faster development and resulting in decreased time to value and reduced costs. Upskilling its Corporate Investment Banking team, Absa was able to achieve engineering productivity quickly. The organization was able to spin up new environments to launch new websites, inclusive of templated sites, continuous integration and continuous delivery (CI/CD), and security requirements, in a matter of minutes.



**“We transformed from a model of chasing tickets and building servers to a model of durable teams that can move and pursue value quickly on AWS.”**

Suren Pillay, CTO, Absa

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Training investment results speak for themselves:

Payback in less than 6 months and a **234% ROI** over 3 years, including an **88% increase in cloud innovation** and a **30%–50% increase in app migration rates**.<sup>8</sup>

## HOW AWS TRAINING ENABLES MODERNIZATION

# Train to maximize modernization investment

Certifying and validating employees immediately with AWS Training adds value, increases productivity, and enables organizations to successfully meet customer requirements. AWS Training and Certification equips organizations with the skills to extract the best performance and value from infrastructure to realize positive ROI.

From **AWS Certified Developer – Associate** to **AWS Certified DevOps Engineer – Professional**, AWS Certifications allow you to identify experts across a range of roles and specialties. In fact, leaders say that participation in AWS Training correlates to 28 percent greater cost savings and an ability to bring more products to market.<sup>9</sup>

<sup>8</sup> "The Total Economic Impact Of AWS Training And Certification," Forrester Consulting, commissioned by AWS, May 2022

<sup>9</sup> DeMattia, A., "Understanding the Value of AWS Training to Organizations," Enterprise Strategy Group (ESG), January 2023

## CASE STUDY

# Sky Group upskills workforce to improve time to market

Sky Group (Sky), one of the largest multinational media companies in Europe and the UK, broadcasts to 23 million customers.

Sky was looking to benefit from the scalability and elasticity of AWS and deploy solutions faster but realized teams were lacking the necessary AWS cloud skills. It was seeking a consistent and centralized training approach to develop in-depth cloud expertise across its teams rather than training that was specific to business units.

Sky worked alongside the AWS Training and Certification team to structure its training program and validate skills with AWS. Training included **AWS Certified Solutions Architect – Associate** to design and implement distributed systems and **AWS Certified SysOps Administrator – Associate** to deploy, manage, and operate workloads on AWS. Sky chose AWS Certification courses to drive employee commitment to advancing cloud skills.

Sky teams are now using their AWS skills to deploy services in a more effective, secure way. The organization has seen a significant drop in the number of cloud resource misconfigurations against cybersecurity standards. Certified AWS professionals are performing with more proficiency and confidence. For example, members of the Media Analysis team working on Sky Sports Recap, the real-time highlights application for major live sports events, were certified through this program. The team used machine learning and serverless services from AWS to deliver a production-ready service for highlight generation in less than eight weeks.



“Being able to upskill when going through digital transformation is critical to success.”

Mark Niven, Lead Cloud Architect, Sky

[Read the full story >](#)





## HOW AWS TRAINING ENABLES MODERNIZATION

# Improve recruitment and retention to achieve modernization

Creating a culture of continuous learning helps establish a workplace where employees do better work and are motivated to stay. New recruits are attracted to organizations that are making a concerted effort to enhance employees' careers with new learning and certification opportunities. AWS Training and Certification has seen 92 percent of employers report improved job satisfaction due to training<sup>10</sup> and a 10–35 percent increase in employee retention.<sup>11</sup> Eighty-seven percent of employees remain at organizations that fund AWS Certification exams,<sup>12</sup> helping businesses to retain top talent and avoid a new recruitment process.

For entry-level hires, AWS Training not only sparks new ideas on how to build and run applications, but it also helps achieve faster innovation and higher revenue, while “time to value” is about half the time as expert-level hires.<sup>13</sup> To avoid burnout situations with seasoned staff, continuous learning with AWS can train more of your workforce, helping to balance projects and spread out tasks among employees.<sup>14</sup>

<sup>10</sup> “Cloud Talent Demand and Supply Analysis,” Draup (AI-powered Talent Intelligence Platform), 2022

<sup>11</sup> “The Total Economic Impact Of AWS Training And Certification,” Forrester Consulting, commissioned by AWS, May 2022

<sup>12</sup> “The Total Economic Impact Of AWS Training And Certification,” Forrester Consulting, commissioned by AWS, May 2022

<sup>13</sup> DeMattia, A., “The Value of a ‘Full Stack’ Approach to Cloud Talent Management,” Enterprise Strategy Group (ESG), March 2023

<sup>14</sup> “The Total Economic Impact Of AWS Training And Certification,” Forrester Consulting, commissioned by AWS, May 2022

## CASE STUDY

# LTIMindtree upskills thousands of employees to improve workforce retention

One of India's largest IT services companies, this global technology consulting and digital solutions company assists more than 750 global enterprises in harnessing digital technologies.

Cloud-based transformation projects are continuously accelerating, increasing the demand for human resources certified in cloud operations. Customers are looking to do more with their data and are requesting trained engineers familiar with the **AWS Well-Architected** principles. To harness the full potential of AWS, LTIMindtree set about training its employees with the help of the **AWS Partner Training and Certification** team.

To accommodate employees' busy schedules and work commitments, the AWS Training and Certification team offered a range of course formats. The training plan prescribed three key opportunities and resulted in LTIMindtree enrolling over 4,600 employees in online, self-paced **AWS Skill Builder** courses, virtual and in-person **AWS Training courses for Partners**, and **AWS Certification Exam Readiness** sessions. The training program is contributing to workforce retention and talent management, attracting more business opportunities, and launching new solutions. To attract and upskill fresh graduates, LTIMindtree worked with AWS to develop a new-hire training program.



**“Programs such as AWS Training and Certification are helping us attract and retain employees, because they believe in an organization that continuously helps them upskill.”**

Vijayakumar Pandian, Associate VP, LTIMindtree

[Read the full story >](#)



# Build skills to meet modernization goals

As organizations seek to realize modernization, AWS Training and Certification is key to upskilling your workforce and attracting emerging cloud talent. When teams are equipped with the right skills, cloud investment delivers immediate results, and long-term digital transformation efforts are put in motion. The skills gap is real—continuous cloud training is the solution to meet your modernization goals.

## Choose training that works for your team

Comprehensive cloud skills enablement programs from AWS are designed to help all employees across an organization develop broad cloud fluency, drive innovation, and build modern application development knowledge. The **AWS Learning Needs Analysis** (LNA) is a free data-driven assessment tool that can help you align your training investments with your business goals. Simply ask your employees to answer a few questions and work with AWS experts to generate insights. Once the organization's skills gaps have been identified, a targeted, cost-effective training and certification plan will help address the modernization goals of your business.

[Request a free AWS Learning Needs Analysis ›](#)

## Expert AWS instructors deliver classroom training

AWS Classroom Training brings the classroom learning experience to learners virtually and onsite through a mix of presentations, discussions, and hands-on labs. An expert AWS instructor provides practical, deep technical knowledge with on-the-spot help to answer questions in real time, apply concepts to specific business or technical problems, and help students build skills. AWS private training tailors the delivery to address your organization's specific needs in real time with instructors who focus in-class discussions on your relevant and high-priority topics.

[Discover classroom training courses ›](#)



## Deepen cloud expertise and drive innovation

For organizations around the world, AWS Training and Certification is the key to hiring emerging cloud talent and ensuring that their cloud investment delivers immediate results and meets long-term digital transformation goals.

### Free learning content

AWS Training and Certification has provided millions of people with free cloud skills training—and is on track to train 29 million people globally by 2025.

**AWS Skill Builder** offers free digital training, self-paced courses, and learning plans so you can build the skills you need at a pace that works for you.

- ✓ 600+ free self-paced digital courses
- ✓ Comprehensive learning plans
- ✓ AWS Certification Official Practice Question Sets
- ✓ AWS Cloud Quest: Cloud Practitioner interactive role-playing game

**“Employees who participated in learning with AWS felt increased loyalty towards their organization, higher morale, more engaged, and a sense of ownership, resulting in reduced turnover rates and longer tenure.”<sup>15</sup>**

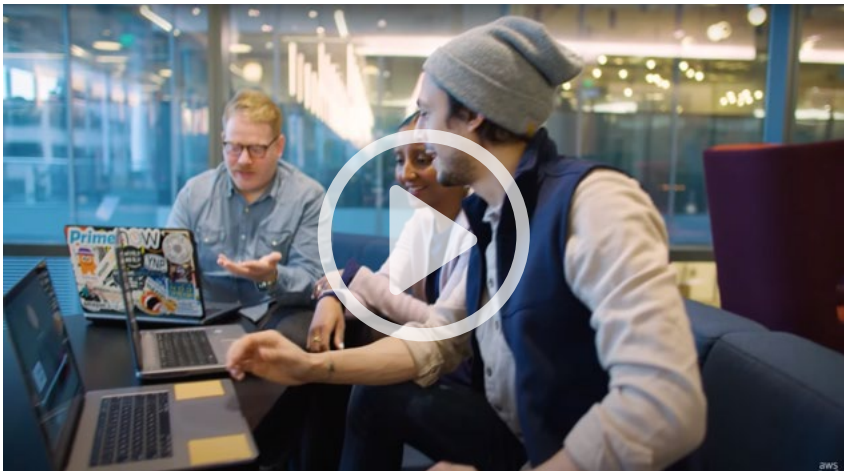
<sup>15</sup>“The Total Economic Impact Of AWS Training And Certification,” Forrester Consulting, commissioned by AWS, May 2022

## AWS Skill Builder Individual subscription

Get even more with an **AWS Skill Builder Individual subscription** by building in-demand cloud skills in an interactive, engaging way. An individual subscription includes everything available for free, plus access to exclusive hands-on labs, enhanced exam prep courses with additional practice materials, AWS Certification Official Practice Exams, role-based gamified learning, and challenges to enhance the learning experience:

- [AWS Builder Labs](#)
- [AWS Cloud Quest](#)
- [AWS Industry Quest](#)
- [AWS Certification Official Practice Exams](#)
- [AWS Exam Prep courses with additional practice materials](#)
- [AWS Jam Journey](#)

## Watch now and learn more about AWS Skill Builder



**"AWS Skill Builder became my go-to resource that helped me learn, validate my AWS skills, and put them into practice. Practice labs, exam readiness courses, and sample exams made my preparation for certification a lot easier—I achieved my Cloud Practitioner and Solutions Architect – Associate certifications in three months!"**

Ntekaniwa Paul, Network and Technical Support Engineer, Beem



## Deliver cloud training at scale

Building cloud skills across organizations is both a necessity to keep up with the pace of technological change and an opportunity to develop people's expertise.

Managers won't be able to hire their way out of this skills gap, making training current employees essential. However, for a variety of reasons, building new cloud skills across a large group is not easy:

- It's not always clear what learning program and content employees should take to close skill gaps
- Employees learn in different ways, so limited modalities can reduce interest and engagement in training
- Learning concepts in class does not always translate to applying them to real-life challenges
- Gaining visibility into skill development across your organization requires detailed reporting and analysis of employees' progress

And while reskilling technical employees is critical, there are benefits to training all employees—from sales, marketing, and finance to HR, to senior leadership, and more. It is best to build cloud fluency across your entire workforce. According to Enterprise Strategy Group, 90% of decision makers agree that having staff that has taken AWS Training has significantly accelerated product and service innovation.<sup>16</sup>

Per Forrester, consulting organizations experienced up to a 17% improvement in win rate for projects and deals because their sellers were better versed in cloud conversations when prospecting and trying to understand client needs.<sup>17</sup>

<sup>16</sup> "Skilling Up Staff with AWS Training Drives AWS Partner Success," ESG, 2021

<sup>17</sup> "The Total Economic Impact Of AWS Training And Certification," Forrester Consulting, commissioned by AWS, May 2022

## AWS Skill Builder Team subscription

An **AWS Skill Builder Team subscription** helps organizations accelerate their cloud transformation by providing diverse learning experiences that meet individual training preferences. Whether your team is just starting their cloud journey or diving into specialized skills, unlock the value of AWS by setting team goals, learning together, and developing hands-on, real-world capabilities. Deepen your team's expertise and create a culture of learning that drives innovation at scale.

An **AWS Skill Builder Team subscription** provides unlimited access to all learning experiences included with an AWS Skill Builder Individual subscription, plus:

- ✓ An administrative dashboard to assign training and track progress
- ✓ Ability to create team challenges to foster shared learning and friendly competition
- ✓ Flexibility to scale and add learners as training needs evolve
- ✓ Comprehensive reporting to gain visibility into training needs and progress across your organization
- ✓ Access through single sign-on (optional)



## SET CONTINUOUS TRAINING IN MOTION

# Courses to accelerate modernization

## Modern compute for any workload

Learn modern to leverage modern. Create more agile applications with modern compute environments. Adopt a managed model for running application compute environments by re-platforming existing applications to a containers-based architecture or a serverless compute environment.

### Amazon EKS Primer (digital)

In this course, you will learn the basics of container management and orchestration for Kubernetes using **Amazon Elastic Kubernetes Service** (Amazon EKS). You will learn how Amazon EKS manages the Kubernetes control plane and parts of the data plane and how Amazon EKS integrates with other AWS services, what the cost considerations are for Amazon EKS, and how to monitor applications running on Amazon EKS clusters.

### Running Containers on Amazon EKS (classroom)

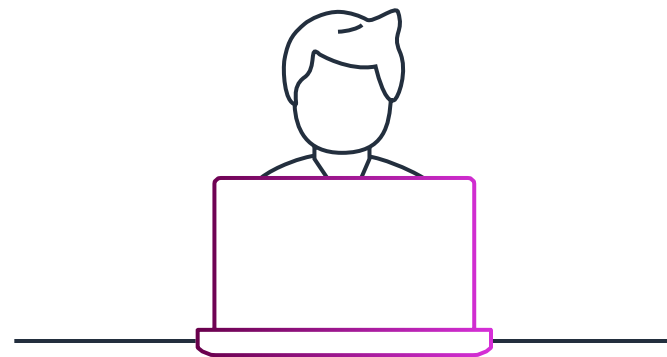
In this course, you will learn container management and orchestration for Kubernetes using Amazon EKS. With AWS, you can avoid installing, operating, and maintaining a Kubernetes control plane. DevOps engineers, systems administrators, and cloud architects will learn how to manage containers with Amazon EKS. Learners will build an Amazon EKS cluster, configure the environment, deploy the cluster, add applications, and more in this three-day intermediate-level course.

## Get AWS Guides to simplify learning

Help guide your team on building modernization skills and knowledge with the AWS Ramp-Up Guides for DevOps and developers. The guides are divided into sections—with a recommended sequence of resources. Free digital training, classroom courses, videos, whitepapers, and certifications are presented in logical order to help your employees on their modernization journey. The prescriptive pathway of learning includes helpful information, such as course lengths and additional resources, to help you and your team make the right training choices for your modernization goals.

### Discover AWS Ramp-Up Guides:

- [Solutions Architect ›](#)
- [Containers ›](#)
- [Developer ›](#)
- [DevOps Engineer ›](#)
- [Serverless ›](#)



## Build skills to meet modernization goals

### Building modern web and mobile applications

Achieve modernization with continuous application upskilling. Help your organization get to market faster by building all-new applications with a modular architecture using serverless technologies like [AWS Lambda](#). Automating software delivery and wrapping applications with APIs allow for modern application development. Reduce the risk through improved resiliency, rapid iteration, and experimentation.

### Architecting Serverless Applications (digital)

This course will get you started on migration considerations and introduces common patterns that you can use as the basis for many serverless applications. You will learn about the different compute and data store services that you need to consider and the trade-offs for each.

### AWS Cloud Quest: Serverless Developer (digital)

The Cloud Quest Serverless Developer role will guide you on using AWS Serverless services to build modern architectures. You will design, build, integrate, and deploy applications using serverless computing, NoSQL databases, secure APIs, messaging, infrastructure automation, and continuous integration and continuous delivery (CI/CD) pipelines.

## Modern DevOps

Continue learning modernization skills with modern DevOps. For faster innovation and improved security, performance, and resilience, developers are embracing modern DevOps for software development. Operations and developers work closely to share tasks like compliance and resilience.

### Getting Started with DevOps on AWS (digital)

The journey toward implementing DevOps on AWS begins here. Using discussions, interactive content, and demonstrations, students will learn about cultural philosophies, practices, and tools used in a DevOps environment.

### DevOps Engineering on AWS (classroom)

This course improves an organization's ability to develop, deliver, and maintain applications and services at high velocity on AWS. Learn about the cultural philosophy of DevOps and how to use a combination of tools and practices. This course is intermediate level and three days in length.

### Automate Application Testing Using AWS CodeBuild (digital)

In this lab, you will use AWS CodeBuild as a part of your continuous integration pipeline to increase speed and efficiency. You will learn how to test your application during development and demonstrate how that testing can integrate with AWS CodeBuild.

# Future-proof your modernization efforts with AWS Training

The opportunity for organizations to transform and innovate has never been greater. To be at the forefront of modernization, embed your organization in a culture of continuous learning with an AWS Training and Certification partnership that can help get you there faster. When your workforce has access to continuous cloud training, you can successfully accelerate modernization, maximize cloud investment, and improve employee recruitment and retention.

Leverage AWS to build a targeted training and certification plan to empower your entire organization and benefit from AWS Training, including comprehensive classroom and digital curriculum to deliver on your modernization application plans.

In today's cloud-enabled world, access the advantage that comes with continuous training from AWS—fill the cloud skills gap, get to market faster, and accomplish your modernization business goals.

[Learn more about modern applications training ›](#)

[Connect with an expert to create a tailored training plan to meet your goals ›](#)