

Modernization Skills Tracker

Track your growth as you
gain modernization skills



Modern Never Stops with Continuous Cloud Skills Training from AWS

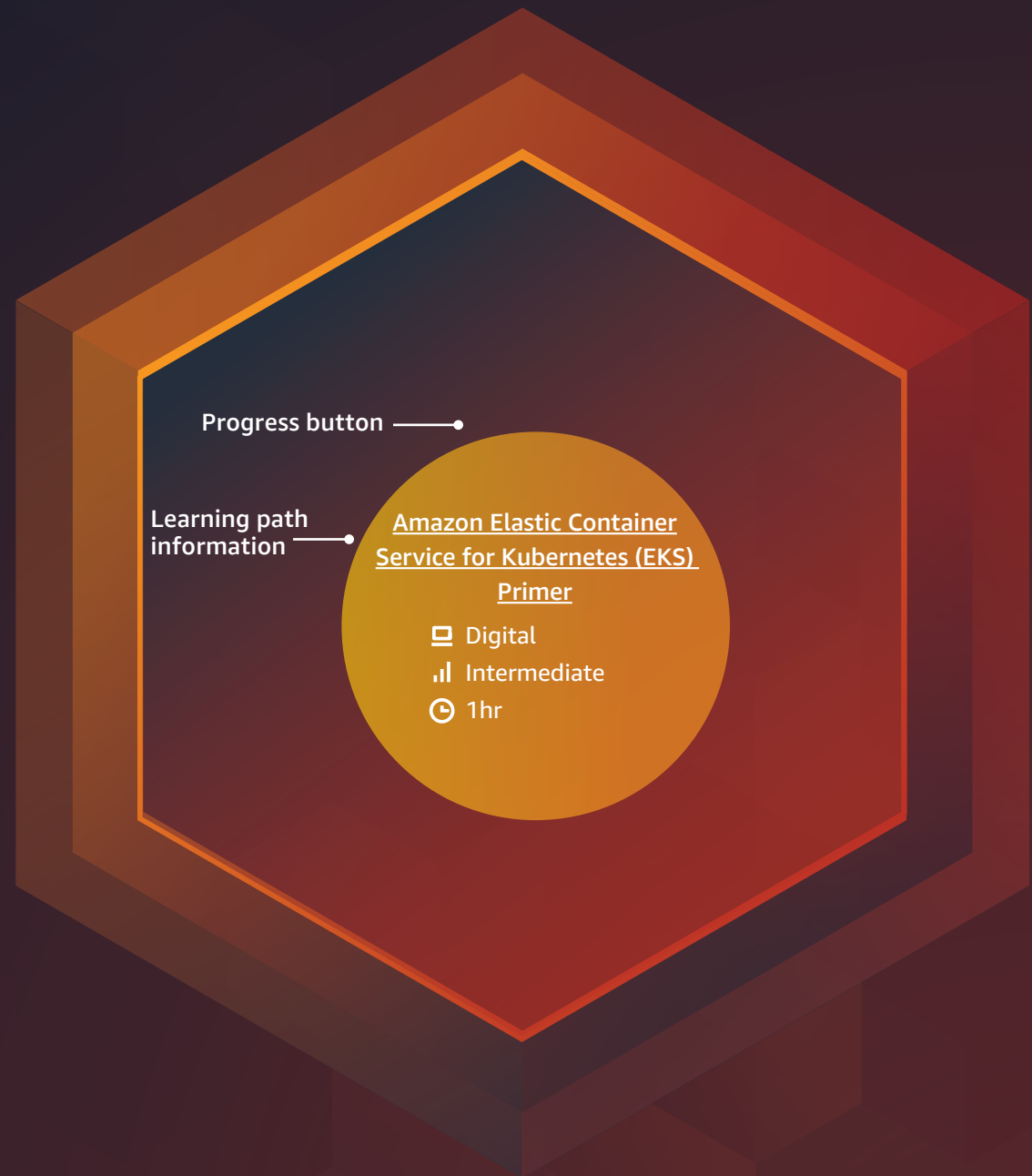
Modernization creates better customer experiences and brings huge business advantage. Gain the competitive skillset advantage and become a modern builder in the cloud. The AWS Modernization Skills Tracker is a comprehensive training guide to help you build skills and monitor your growth. Empower yourself with a wide range of digital and live courses from AWS Training and Certification.

Learn the best practices Amazon trusts to train its own application developers. Create robust, reliable, secure, and scalable applications to demonstrate your ability to meet faster response times. With continuous training from AWS, embrace the modern mindset, and move forward fearlessly to unleash innovation.



How to Use This Skills Tracker

Look for symbols and icons on the course chart for information about course lengths, training methods (digital, virtual instructor-led, or classroom), and which specific skills you'll learn. Mark your progress on the map by checking the status buttons to indicate which courses are completed, in progress, or not yet started. Click course tiles to learn more about the training. Your modernization journey begins now.



Use the course chart to track your journey and skills gained



Explore AWS Training and Certification Courses in More Detail



Amazon Elastic Container Service (ECS) Primer

[Sign up or start the course »](#)

About this course

Go beyond the basic concepts and benefits of containerization. Learn about the implementation of containers on AWS using ECS and complementary services, such as the Amazon Elastic Container Registry (ECR). You will also learn about common microservices scenarios.



Skills learned

- ✓ Describe the challenges of scaling microservices architectures to the enterprise level
- ✓ Define ECS concepts, such as cluster, task, task definition, and services
- ✓ Describe the importance of scheduling to container-based workloads

 Digital

 Intermediate

 30 mins

Running Containers on Amazon Elastic Kubernetes Service (Amazon EKS)

[Sign up or start the course »](#)


About this course

Learn container management and orchestration for Kubernetes using Amazon EKS. With Amazon EKS, run Kubernetes on AWS without needing to install, operate, and maintain your own Kubernetes control plane.




Skills learned

- ✓ Build an Amazon EKS cluster
- ✓ Manage container images using Amazon Container Registry (ECR)
- ✓ Automate application deployment

 Classroom

 Intermediate

 3 days

Amazon Elastic Container Service for Kubernetes (EKS) Primer

[Sign up or start the course »](#)

About this course

Discover the basics of Amazon Elastic Kubernetes Service (EKS). Learn the implementation of containers on AWS using EKS and complementary services. Acquire the skills to explain the challenges of scaling microservice architectures at the enterprise level.



Skills learned

- ✓ Describe the basic concepts and terminology of Kubernetes
- ✓ Configure EKS to manage the Kubernetes management infrastructure

 Digital

 Intermediate

 1 hr

Deep Dive on Container Security

[Sign up or start the course »](#)




About this course

Containers present a unique middle ground between full instance management and pure services. Learn how to maintain the confidentiality, integrity, and availability of your architecture.



Skills learned

- ✓ Achieve segregation
- ✓ Organize namespaces
- ✓ Manage money
- ✓ Control access

 Digital
 Advanced
 30 mins

Deep Dive on AWS Fargate: Building Serverless Containers at Scale

[Sign up or start the course »](#)




About this course

Manage scale for your modern applications with this essential course on launching large-scale containerized workloads with AWS Fargate. AWS experts will review key AWS Fargate topics and show you how to get the most out of your container deployment and management strategy.



Skills learned

- ✓ Manage large-scale containerized workloads
- ✓ Get the most out of your management strategy

 Digital
 Advanced
 40 mins

AWS Lambda Foundations

[Sign up or start the course »](#)




About this course

Build your modern applications knowledge with an introduction to AWS Lambda. Explore the basics, learn about configuration, and connect AWS Lambda to other AWS services. You will also learn about the factors that impact performance and how serverless development and deployment practices differ from those in traditional deployment environments.



Skills learned

- ✓ Basic configurations to other AWS services
- ✓ Serverless development
- ✓ Serverless development practices

 Digital
 Fundamental
 2 hr

Amazon API Gateway for Serverless Applications

[Sign up or start the course »](#)




About this course

Focus on the fundamentals of Amazon API Gateway in this introduction. Then, learn how to create APIs and deploy them. This course also covers the many options for managing and metering access to your APIs, as well as key integration tips for connecting APIs to AWS Lambda.



Skills learned

- ✓ Amazon API Gateway
- ✓ Create and deploy APIs
- ✓ API integration

 Digital
 Fundamental
 1.15 hrs

Amazon DynamoDB for Serverless Architectures

[Sign up or start the course »](#)




About this course

This hands-on comprehensive introduction to Amazon DynamoDB will help you learn its core components, how to set up and access them, and how to leverage them for serverless applications. Explore several other important features of DynamoDB, review best practices, and get an in-depth comparison between this NoSQL service and other SQL solutions.



Skills learned

- ✓ Amazon DynamoDB
- ✓ Build serverless architecture using DynamoDB
- ✓ Differentiate SQL from NoSQL database systems
- ✓ Migrate from existing RDMS to Amazon DynamoDB
- ✓ Monitor performance

 Digital
 Fundamental
 2 hrs

Architecting Serverless Solutions

[Sign up or start the course »](#)

About this course

Start thinking serverless as you accelerate your modernization journey. This course provides a complete approach to AWS managed services, including AWS Lambda and Amazon API Gateway. Learn how to leverage event-driven patterns to power scalable, secure, and serverless modern applications. Then, create your own proof-of-concept serverless architecture that you'll use for management, testing, auditing, and deployment—all without downtime.



Skills learned

- ✓ Event-driven architectures
- ✓ Serverless application architectures
- ✓ Scaling serverless architectures
- ✓ Secure and monitor serverless applications
- ✓ Serverless deployments

 Digital

 Intermediate

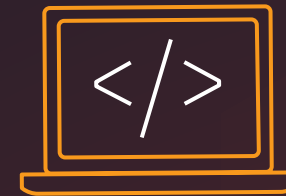
 3 hrs

Advanced Developing on AWS

[Sign up or start the course »](#)


About this course


This course uses a real-world scenario—taking a legacy, on-premises, monolithic application and refactoring it into a serverless microservices architecture—to help you learn advanced developing skills on AWS.




Skills learned

- ✓ Learn how to architect for a cloud-native environment
- ✓ Deconstruct on-premises, legacy applications
- ✓ Repackage legacy application into cloud-based architectures

 Classroom

 Advanced

 3 days

Getting Started with DevOps on AWS

[Sign up or start the course »](#)




About this course

Begin your journey toward implementing DevOps on AWS. Learn about DevOps culture, principles, and tools. Explain how to create and control a continuous integration and continuous delivery (CI/CD) pipeline by using AWS DevOps tools.



Skills learned

- ✓ Describe the DevOps methodologies of culture, practices, and tools
- ✓ Describe Amazon's transformation to DevOps
- ✓ Categorize and describe key AWS DevOps services

 Digital
 Fundamental
 3 hrs

AWS Cloud Development Kit Primer

[Sign up or start the course »](#)

About this course

In this introduction to AWS Cloud Development Kit (AWS CDK) for developers, learn how to model, provision, modify, and delete cloud application resources using familiar programming languages.



Skills learned

- ✓ State the purpose of AWS Cloud Development Kit
- ✓ Explain the core components of AWS CDK
- ✓ Describe the key concepts used with AWS CDK
- ✓ Design constructs for AWS CDK

 Digital

 Intermediate

 1.5 hrs

DevOps Engineering on AWS

[Sign up or start the course »](#)


About this course

Learn about DevOps engineering directly from the experts at AWS. In this instructor-led virtual classroom, explore key tools, best practices, and the cultural philosophies of DevOps. You'll also gain the knowledge you need to develop, deliver, and maintain modern applications and services at high velocity on AWS.




Skills learned

- ✓ Continuous integration (CI)
- ✓ Continuous delivery (CD)
- ✓ Microservices
- ✓ Infrastructure as code
- ✓ Monitoring and logging
- ✓ Communication

 Classroom/Virtual

 Advanced

 3 days

Build and Deploy APIs with a Serverless CI/CD

[Sign up or start the course »](#)

About this course

Learn how to build an API engine and manage a CI/CD pipeline straight from the AWS experts. AWS IoT Architects will guide you through the process of simplifying your DevOps processes using serverless methods. Understand how APIs are currently managed with traditional methods, then learn real-world best practices, as well as how serverless application methods (SAM) streamline your operations.



Skills learned

- ✓ Simplify DevOps processes
- ✓ Serverless application methods (SAM)

 Digital

 Intermediate

 45 mins

Advanced Testing Practices Using AWS DevOps Tools

[Sign up or start the course »](#)

About this course

Learn how to integrate testing and security into continuous integration (CI), continuous delivery (CD), and continuous deployment (CD) pipelines. Discover how to implement advanced testing practices in various phases of the application lifecycle to deliver application updates in a safer and more reliable manner.




Skills learned

- ✓ Explain the benefits of automating testing in CI/CD pipelines
- ✓ Describe methods to promote application changes to code repositories and explain the process of pull requests
- ✓ Use static code analysis to identify security or code issues

 Digital training

 Advanced

 2.5 hrs

Validate Your Modernization Development Skills

Gain industry-recognized credentials that validate your hard-earned skills. With an AWS certification, demonstrate to business leaders and colleagues your ability to deliver business value with modern applications. Your AWS certified credential will let the world know you have the skills to build applications that have the potential to be faster to market, more reliable, less expensive, and more innovative.

AWS Certified Developer - Associate »

AWS Certified DevOps Engineer - Professional »



Access Relevant Courses with AWS Ramp-Up Guides

Fast-track your cloud success and build modernization skills and knowledge with AWS Ramp-Up Guides. Each expertly curated guide follows a recommended sequence of resources. Discover free digital training, classroom courses, videos, whitepapers, and certifications. Follow the logical order of each section to build skills for a specific cloud role or specific cloud domain. Course lengths and levels are also included to help you make the right learning choices to meet your modernization goals.

[Discover the AWS Developer Ramp-Up Guide »](#)

[Discover the AWS Containers Ramp-Up Guide »](#)

[Discover the AWS Serverless Ramp-Up Guide »](#)

Start Your Journey with AWS Training and Certification

Modern never stops and neither should you. Continuously learn, build, and innovate with new cloud skills. Map your modernization training progress as you become a modern builder in the cloud. Access the experts at AWS who have experience delivering innovation to some of the most successful businesses in the world.

Through online videos, digital curricula, hands-on courses, and instructor-led virtual classrooms, gain the competitive skillset advantage. Move forward, fearlessly—learn to build modern and help modernize your organization with AWS Training and Certification.

Start your journey now »

