



Learn AWS Hub

Learning resources curated and created by the Learn AWS team for Amazon Consumer, Digital, and Other (CDO) developers to migrate, manage, and build services on AWS.

Hello!

Click any entry in the categories below to find learning resources curated and created by the Learn AWS team for Amazon Consumer, Digital, and Other (CDO) developers to migrate, manage, and build services on AWS.

Content Spotlight

What's New

Want to Develop or Lead Training?

If you'd like to develop a training or instructional guide for Learn AWS, [send us a SIm](#) and tell us more about your interest.

LAWS Newsletter

To stay in the loop on the latest AWS-related training and events, [Subscribe](#) to our newsletter!

LAWS Slack Channel

For up-to-date announcements about courses and other AWS learning opportunities, follow us on Slack, [#learn-aws-announce](#).

LAWS Broadcast Channel

Subscribe to our [Broadcast channel](#) to find out about instructional videos, presentations, and playlists that will help you migrate and build services in AWS.

Nebula Broadcast Channel

The [Nebula team](#) is dedicated to accelerating AWS adoption for Amazon CDO. [Check out their Broadcast channel](#) for videos of presentations and workshops for architecting, building, and managing services in AWS.

Learn AWS Guides

Original content developed by the Learn AWS team

AWS Accessibility Guide Series

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AWS Resources

Information and training resources from AWS for both commercial and CDO customers

AWS Ramp-Up Guides

AWS Training & Certification

Well-Architected Labs

Developer Tools

Tools and platforms developed by CDO engineering to make it easier for you to migrate and build services in AWS

Compute Platform Advisor

HEX

Learn AWS Guides

Original content developed by the Learn AWS team

AWS Accessibility Guide Series

[LAWS Playlist: Setting Up AWS Accessibility](#)

This Broadcast playlist curated by the LAWS team includes presentations from DevCon, team trainings, and Engineering Excellence podcasts that provide overviews and deep dives into setting up accessibility between services in the PROD/CORP network and AWS.

[Making My Coral Service AWS Accessible](#)

This guide provides step-by-step instructions for making your Coral PROD/CORP service accessible from AWS.

Related content

- [ECS Coral Service Onboarding](#) (Wiki documentation)
- [Getting Started Guide for Coral](#) (BuilderHub)
- [Making a service native AWS accessible](#) (The Edge video podcast)

[Making My ARest Service AWS Accessible](#)

This guide provides step-by-step instructions for making your ARest PROD/CORP service accessible from AWS.

Related content

- [ARest Overview](#) (Wiki documentation)

[Making My BSF C++ Service AWS Accessible](#)

This guide provides step-by-step instructions for making your Brazil Service Framework C++ PROD/CORP service accessible from AWS.

Related content

- [Brazil Service Framework Overview](#) (Wiki documentation)

[Setting Up Service Accessibility between AWS and PROD/CORP](#)

This guide provides step-by-step instructions for connecting your AWS client to a PROD service using SuperStar and CloudAuth.

Related content

- [DevCon Seattle 2018 - CloudAuth Workshop: Connecting Native AWS to Prod](#) (Broadcast Video)
- [SuperStar Onboarding Guide](#) (Wiki documentation)
- [CloudAuth Onboarding Guide](#) (Wiki documentation)

Getting Started

[Getting Started with AWS Cloud Development Kit \(CDK\)](#)

This guide introduces you to basic CDK and CloudFormation concepts such as Stacks and Constructs through the experience of creating a chatbot. Using CDK, you build a Lambda, place it in a VPC, and enable the Lambda to interact with a demo service via API Gateway.

Related Content

- [CDK Tutorials](#) (BuilderHub)
- [AWS CDK wiki](#) (for external AWS customers)
- [Getting Started with Mote CDK](#) (HighCastle BluePrints)

[Introduction to Conduit](#)

Conduit is an account management solution for AWS accounts for non-AWS personnel only.

Related Content

- [Conduit wiki](#)
- [Conduit information on BuilderHub](#), including FAQ and other links

[The Big Picture of Nebula](#)

An overview of the Nebula program and its goals.

Related Content

- [Nebula wiki](#)
- [Nebula Broadcast Channel](#)

Service Architecture

[Architecting for AWS Compute Platforms](#)

This guide describes the different compute platforms on AWS, and the best practices for service architecture on each of these platforms.

Related Content

- [Compute Platform Advisor Tool](#) for selecting compute platforms based on service use cases.

[Building AWS Lambdas with Step Functions](#)

In this guide, you will learn how to use AWS Step Functions to design and run a serverless workflow that coordinates multiple AWS Lambda functions and other AWS services.

Related Content

- [Lambda Golden Path Architecture Guide](#) (BuilderHub)

[Building Python Lambdas at Amazon](#)

This guide, which includes video demos, shows you how to build Lambdas using Python and Python dependencies such as NumPy and Pandas.

[Improving Your Lambda Step Functions with Map States](#)

Map States let you run a set of states in a sub-state machine once per element of an array provided during runtime, in a way that is similar to the Java `ArrayList.forEach()` method or the JavaScript `array.forEach` method.

[SageMaker: Build, Train, and Deploy a Machine Learning Model](#)

This tutorial is designed to teach you how to build a ML model, train it, and deploy it to production using SageMaker.

Networking

[Getting Started with Allegiance](#)

This guide describes Allegiance and how it can help you connect services in CORP/PROD and AWS.

Related Content

- [Allegiance Onboarding Guide wiki](#)

[Getting Started with VPCs](#)

In this guide, you will learn about Amazon Virtual Private Cloud (Amazon VPC), which enable you to launch AWS resources into a virtual network that you've defined.

Related Content

- [Build an EC2 Application](#) (BuilderHub tutorial)
- [Introduction to VPCs](#) (Broadcast playlist)

Operations

[Foundations of Testing](#)

This guide introduces the four primary types of testing used within CDO, and their importance to the functionality of your service.

Related Content

- [Hydra test platform wiki](#) (BuilderHub)
- [TPS Generator wiki](#) (BuilderHub)
- [Test on Demand \(ToD\) integration test tool wiki](#) (BuilderHub)

[Monitoring and Logging with CloudWatch Workshop](#)

This workshop provides 8 hands-on labs on monitoring your workload using AWS CloudWatch along with other CDO (Consumer/Digital/Other) tools like Carnaval, iGraph, and Wiki Dashboard. Additionally, one lab will focus on logging services by analyzing VPC Flow Logs using CloudWatch Logs Insights.

Related Content

- [CloudWatch documentation](#) (AWS external wiki)

[Securing Lambda Backend Services \(VILT course\)](#) [ⓘ]

Across Amazon, we are constantly striving to be “earth’s most customer-centric company” and we cannot maintain customer trust unless our services are secure. In this intermediate virtual instructor-led course delivered via Adobe Connect, you will learn about the basic AWS building blocks for securing service based on Lambda.

[Well-Architected Security](#)

This guide introduces the pillars of the Well-Architected framework, specifically focusing on the Security pillar.

Related Content

- [AWS Well-Architected Labs](#) [ⓘ]

AWS Resources

Information and training resources from AWS for both commercial and CDO customers

AWS Ramp-Up Guides
<p>AWS Training and Certification has created AWS Ramp-Up Guides to provide a recommended progression for building your knowledge of the AWS Cloud. Each guide features free digital training, classroom courses, videos, whitepapers, certifications, videos, whitepapers, certifications, and more. For more information, please refer to the AWS T&C Ramp-Up Guides wiki.</p> <p>Developer Ramp-Up Guide</p> <p>The Developer Ramp-Up Guide provides a prescriptive path for learners to become proficient at developing, deploying, and modernizing applications on AWS. The guide includes digital and instructor-led training, hands-on labs, workshops, whitepapers, and more. Certification is included in the path to help you determine when to take the exam(s).</p> <p>Operations Ramp-Up Guide</p> <p>The Operations Ramp-Up Guide provides a prescriptive, yet flexible learning progression to gain knowledge of provisioning, monitoring, and secure operation of AWS cloud. The guide supports learners with on-demand and instructor-led training resources. Certification is included in the path to help you determine when to take the exam.</p> <p>Migration Ramp-Up Guide</p> <p>This Migration Ramp-Up Guide features digital training, classroom courses, blog posts, videos, whitepapers, and other information that will help you successfully assess, plan, and migrate your applications and workloads from on-premises to the AWS Cloud.</p> <p>Databases Ramp-Up Guide</p> <p>The Databases Ramp-Up Guide provides a prescriptive, yet flexible learning progression to gain foundational knowledge as well as a deeper knowledge of database design, deployment, migration, management, operations, monitoring, trouble-shooting and security. This expertly curated guide features free digital training, classroom courses, videos, and whitepapers. Certification is included in the path to help you determine when to take the exam</p> <p>Architect Ramp-Up Guide</p> <p>The Architect Ramp-Up Guide provides flexible learning progression to gain knowledge of design considerations when building for AWS cloud. The guide supports learners with on-demand and instructor-led training resources. Certification is included in the path to help you determine when to take the exam.</p> <p>Serverless Ramp-Up Guide</p> <p>The Serverless Ramp-Up Guide provides flexible learning to gain knowledge on developing serverless applications and solutions with AWS cloud. The guide supports learners with on-demand and instructor-led training resources.</p> <p>Containers Ramp-Up Guide</p> <p>The Containers Ramp-Up Guide provides flexible learning to gain knowledge on of AWS Containers for use in deploying applications. The guide supports learners with on-demand and instructor-led training resources.</p>
AWS Training & Certification
<p>AWS Training & Certification (T&C) offers training internally to teams. See the Internal AWS Product Training Wiki for virtual instructor led courses and the Internal AWS T&C Digital Training Library for digital, self-paced courses.</p> <p>A few of the most requested classes are:</p> <ul style="list-style-type: none">AWS Tech EssentialsAWS Cloud Practitioner EssentialsArchitecting on AWSDeveloping on AWSBig Data on AWS <p>See the AWS T&C Internal Class Schedule wiki for more information.</p>
Well-Architected Labs
<p>The Well-Architected framework has been developed to help cloud architects build the most secure, high-performing, resilient, and efficient infrastructure possible for their applications. This framework provides a consistent approach for customers and partners to evaluate architectures, and provides guidance to help implement designs that will scale with your application needs over time.</p> <p>The Well Architected Labs website contains documentation and code in the format of hands-on labs to help you learn, measure, and build using architectural best practices. The labs are categorized into levels, where 100 is introductory, 200/300 is intermediate and 400 is advanced</p>