AWS Builder Labs help you learn cloud skills, hands-on with practice in the AWS Management Console. Explore Builder Labs in-person at the Summit Sydney.

Please note the list may change.

.NET workloads on Amazon ECS and AWS Fargate
.NET Workloads on AWS Lambda
Accessing Internet from Lambda in a VPC
Amazon DynamoDB - Monitoring
Amazon DynamoDB Capacity Sizing
Amazon DynamoDB CRUD Activities Using the AWS CLI and SDK
Amazon DynamoDB Scans, Queries, and Indexes
Amazon DynamoDB Streams and TTL
Amazon DynamoDB: Building a Serverless Web Application
Amazon Elastic Compute Cloud (EC2) Observability - Monitoring and Troubleshooting
Amazon Elastic File System (EFS) Performance
Amazon VPC Networking Basics
Analyze Big Data with Hadoop
Application Front End
Applied Machine Learning: Building Models for an Amazon Use Case
Auditing Your Security with AWS Trusted Advisor
Automate Application Testing Using AWS CodeBuild
Automate Deployment Testing and Continuous Monitoring With AWS Tools
Automated Video Editing with YOU as the Star!
Automating AWS Services with Scripting and the AWS CLI
AWS Cloud Development Kit
AWS Lab Tutorials - Flow Logs
AWS Network Firewall for Ingress/Egress Traffic
AWS Network Firewall Fundamentals
AWS Storage Gateway: S3 File Gateway Setup, Configuration, and Monitoring
AWS Tools for Windows PowerShell: Getting Started
Becoming a 10X Developer Using Amazon CodeWhisperer
Benchmarking Amazon EBS Volumes
Build a Dynamic Conversational Bot - Part 1
Build a Dynamic Conversational Bot - Part 2
Build a Multi-language Notification system with Amazon Translate and Amazon Pinpoint
Build a question-answering bot using generative AI

Build a Serverless Architecture with Amazon Simple Notification Service, Amazon Simple Queue Service, and AWS Lambda
Build a Serverless Text-to-Speech Application with Amazon Polly
Build and Deploy a Containerized Application with Amazon Elastic Container Service
Build Custom Reports of AWS Well-Architected Reviews
Build, Secure and Monitor Networks on AWS
Building a Live Video Channel with MediaLive, MediaPackage and CloudFront
Building a Media Sharing Website - Part 1: Media Upload
Building a Serverless API
Building and Deploying Containers Using Amazon Elastic Container Service
Building BI Dashboards with Amazon QuickSight
Building Event-Driven Applications with Amazon EventBridge
Building Search into your Applications with Amazon CloudSearch
Building Serverless Applications with an Event-Driven Architecture
Building VPC, S3, EC2, and RDS Products with AWS Service Catalog
Building with Amazon DynamoDB Tables
Building Your First Amazon Virtual Private Cloud (VPC)
Building your first quantum circuit with Amazon Braket
Caching Static Files with Amazon CloudFront
Capital Guessing Game
Clipping and stitching video using AWS Elemental MediaConvert
Collecting and Analyzing Logs with Amazon CloudWatch Logs Insights
Commit a Bugfix
Comparing VPC Peering and Transit Gateway
Configure Network Access Control Lists and Security Groups in Amazon VPC
Configure Routing and Internet in Amazon VPC
Configuring and Deploying Amazon VPC for a 3-tier Web App
Controlling the Network
Converting a video library for streaming using AWS Elemental MediaConvert
Create a Static Website with Amazon S3
Create accessible streaming video with AWS Elemental MediaConvert
Create and Configure Amazon Virtual Private Cloud
Creating an Amazon Virtual Private Cloud (VPC) with AWS CloudFormation
Custom Lenses using the AWS Well-Architected Tool
Deploy an End-to-End IoT Application
Deploying a LAMP application with Amazon Lightsail
Deploying a Static Website using AWS Cloud Development Kit

Deploying Your First AWS Lambda Container
Developing Serverless Applications with AWS Step Functions
Discovering Applications to Migrate by Using AWS Application Discovery Service
EC2 Instance Rightsizing
Effortless relational scalability with Aurora Serverless v2
Elastic Cloud Compute (Amazon EC2) - Automate Your Infrastructure
EMR File System Client-side Encryption Using AWS KMS-managed Keys
Event Driven Architecture with Amazon API Gateway, Amazon EventBridge and AWS Lambda
Evolution of a website: Going from single server to serverless
Explore the AWS Management Console
Exploring Amazon S3 Data Access Techniques
Exploring Google Ngrams with Amazon EMR and Hive
Filtering and blocking web incursions with AWS WAF
Getting Started with Amazon Comprehend: Custom Entity Recognizer
Getting Started with Amazon Textract: Process Documents with Synchronous and Asynchronous Operations
Getting Started with DevOps on AWS
Hands-on with AWS SAM
Hosting WordPress Using Amazon S3
How to Speed Up Your AWS Lambda Functions
Hybrid Storage and Data Migration with AWS Storage Gateway File Gateway
Image Insertion and Input Switching with AWS Elemental MediaLive
Implementing Multi-Region Backup with Amazon S3 Cross-Region Replication
Input switching with AWS Elemental MediaLive
Integrating Amazon DynamoDB
Integrating Amazon SQS
Introduction to Amazon API Gateway
Introduction to Amazon Aurora
Introduction to Amazon CloudFront
Introduction to Amazon DynamoDB
Introduction to Amazon EC2
Introduction to Amazon EC2 Auto Scaling
Introduction to Amazon Elastic Block Store (Amazon EBS)
Introduction to Amazon Elastic Container Registry
Introduction to Amazon Elastic File System (EFS)
Introduction to Amazon ElastiCache

Introduction to Amazon ElastiCache with Windows Server
Introduction to Amazon Redshift
Introduction to Amazon Relational Database Service (RDS) - SQL Server
Introduction to Amazon Relational Database Service (RDS) (Linux)
Introduction to Amazon Relational Database Service (RDS) (Windows)
Introduction to Amazon Simple Storage Service (S3)
Introduction to Amazon Virtual Private Cloud (VPC)
Introduction to AWS CloudFormation
Introduction to AWS CloudFormation Designer
Introduction to AWS CodeDeploy
Introduction to AWS Database Migration Service
Introduction to AWS Device Farm
Introduction to AWS Identity and Access Management (IAM)
Introduction to AWS Internet of Things (IoT)
Introduction to AWS Key Management Service
Introduction to AWS Lambda
IoT Command and Control
IoT Edge Computing: AWS IoT Greengrass
Lab - Building and Deploying a Containerized Application with Amazon Elastic Kubernetes Service (Amazon EKS)
Launching Amazon EC2 Instances
Launching and Managing a Web Application with AWS CloudFormation
Live Video Workflow with Captions
Machine Learning: Model Deployment Using Blue/Green Method
Maintaining High Availability with Auto Scaling
Managing Access at Scale with Amazon S3 Access Points
Managing Access to Amazon S3 Resources with Amazon VPC Endpoints
Managing IoT Sensor Data with Amazon ElastiCache for Redis
Media services: Use AWS AI services to automate captioning & subtitling
Migrate a monolith web application to AWS using Application Migration Service (MGN)
Migrate multiple servers with Cloud Migration Factory on AWS
Migrating an on premises NFS share to the AWS cloud
Migrating On-Premises NFS Using AWS DataSync and AWS Storage Gateway
Migrating RDS MySQL to Aurora with Read Replica
Migrating to AWS: Lift and Shift to Serverless
Migrating web application to Cloud using AWS Elastic Beanstalk
Monitoring a Live Streaming Workflow with Amazon CloudWatch

Moving to API Gateway
Moving to Lambda
My Bucket, My Rules
Optimize slow databases with Amazon Aurora
Performing a Basic Audit of your AWS Environment
Policy Creation Challenge
Python Challenge Lab
Resolve VPC routing conflicts
Rogue Permissions Challenge
Role Assumption Challenge
S3 for Application Storage
Saving segments of a live show using AWS Elemental MediaPackage
Scale Your Security Vulnerability Testing with Amazon Inspector
Securing the Endpoint
Securing VPC Resources with Security Groups
Security Monitoring
Serverless Architectures using Amazon CloudWatch Events and Scheduled Events with AWS Lambda
Serverless Architectures with Amazon DynamoDB and Amazon Kinesis Streams with AWS Lambda
Serverless Web Apps using Amazon DynamoDB - Part 1
Serverless Web Apps using Amazon DynamoDB - Part 2
Serverless Web Apps using Amazon DynamoDB - Part 3
Stock Replenishment App
Stream live video with AWS Media Services
Streaming Dynamic Content using Amazon CloudFront
THREAT HUNTING WITH AWS NETWORK FIREWALL
Traffic Monitoring and Packet Analysis
Troubleshooting - IAM Access Issues
Troubleshooting API Gateway with Lambda Proxy Integration
Troubleshooting connectivity using EC2 Serial Console
Troubleshooting Network Connectivity in a Peered VPC
Troubleshooting Serverless Applications
Troubleshooting Website Reachability behind a Load Balancer
Understand Classless Inter-Domain Routing (CIDR) for Amazon VPC
Update Security Groups Automatically Using AWS Lambda

Using Amazon Elastic File System (EFS) with AWS Lambda: Persistent Storage for Serverless Applications
Using Amazon RDS for Applications
Using Amazon Simple Storage Service (Amazon S3) event notifications and batch operations
Using AWS Lambda with Amazon CloudWatch and SNS to Implement a Slack Chat Bot
Using Data Encryption in AWS
Using Launch Templates to Update or Rightsize an Amazon EC2 Instance
Using Open Data with Amazon S3
Using the AWS CLI for Automation
Using the AWS CLI to Manage Well-Architected Reviews
Using the CloudFormation for Automation
Video on Demand with AWS Elemental MediaConvert
Walkthrough of the AWS Well-Architected Tool
Work with the IPv4 addresses for an Amazon EC2 instance
Working with Amazon Aurora Databases
Working with Amazon CloudFront for Dynamic Content Acceleration
Working with Amazon Elastic Container Service
Working with Amazon RDS Databases
Working with Amazon Redshift
Working with Amazon Redshift clusters
Working with Amazon VPC Network Access Analyzer
Working with AWS CodeCommit
Working with AWS CodeCommit on Windows
Working with Elastic Load Balancing
Write a Unit Test
Zero Trust Architecture for Service-To-Service Workloads