

Cloud Fundamentals Resources

Do not limit yourself to this list of resources, this is just a list for you to get started.
If you do labs, make sure you check the costs and clean the resources after.

Understand AWS Architecturing

- [This is my architecture videos](#)
- [AWS Solutions](#)

General Fundamentals

- [Well Architected Framework](#)
- [Well Architected Framework - Blog Post explanation](#)
- [**Well Architected Framework Whitepaper**](#) - Important !
- [Well Architected Labs](#)
- [AWS Global Infrastructure](#)
- [IP Range Addressing CIDR](#)
- [Getting Started with Amazon VPC](#)
- [AWS Baseline - Workshops foundations](#)
- [AWS Awesome Workshops](#)

Cost Management

- [Well Architected Framework Cost Optimization Pillar - Labs](#)
- [Cloud Cost Management](#)
- [Beginning with Cost Management on AWS](#)
- [Best practices for AWS Budgets \(Alarms, limits\)](#)
- [Getting Started with AWS Budgets](#)
- [Monitor your free tier usage - Blog](#)

Security

- [Best practices for Identity and Access Management](#)
- [Some Security AWS best practices](#)
- [Well Architected Framework Security Pillar - Labs](#)
- [Using Amazon Cognito for serverless consumer apps](#) - Lab
- [Adding Security into Devops](#) - Lab
- [Securing Serverless Applications - Lab](#)
- [Secrets Manager - Lab](#)
- [Security best practices for S3](#)
- [Security with AWS Lambda whitepaper](#)
- [AWS Cloud Security](#)

Compute

- [AWS Compute](#)

- [EC2 AutoScaling Getting Started](#)
- [AWS Lambda getting started](#)
- [EC2 SPOT workshop](#)

Storage and Databases

- [Simple Queue Service Getting Started](#)
- [S3 getting Started](#)
- Covid-19 [Data Analytics Workshop - Visualization with Quickisht - Lab](#)
- [Serverless Data Lake Workshop](#)
- [Data Analytics Workshop - Beginners](#)
- [Amazon DynamoDB - Labs](#)
- [Building serverless Application with RDS Aurora Serverless - Lab](#)

Modern Application and Serverless

- [Build a modern Application in python - Complete Workshop](#)
- [Build a Modern Application with Serverless - Video youtube](#)
- [Building an Event Driven Architecture on AWS - Workshops](#)
- [CI / CD - Devops for Serverless Applications](#)
- [Operations in CI / CD](#)
- [Amazon ECS with AWS Fargate Getting Started](#)
- [Amazon ECS with Fargate - Workshop](#)
- [Amazon ECS with EC2 Getting Started](#)
- [Amazon EKS \(Kubernetes\) Workshop](#)
- [Control access to API gateway using Cognito user pool - Documentation](#)
- [Using Serverless Backend to quickly iterate on web apps - Blog Post](#)
- [Getting Started with Amazon EventBridge](#)
- [Serverless Image Processing - Lab](#)
- [AppSync \(GraphQL managed service\) - Workshop](#)
- [Orchestrate Lambdas and Serverless with Step Functions - Workshops](#)

Tooling / Development / Others

- [Make AWS Diagrams \(Icons and Tools\)](#)
- [AWS Command Line Interface](#)
- [AWS Software Development Kit](#)
- [AWS Cloudformation \(Infrastructure as Code\)](#)
- [AWS Cloudformation Beginner- Workshop](#)
- [AWS Cloudformation Workshop](#)
- [AWS Cloud Development Kit \(CDK\) - Workshop](#)
- [Management tool - Workshop](#)
- [Example of SDK documentation in Javascript](#)

AI / ML / Media / Analytics

- [Customer Chatbot with Lex - Workshops](#)
- [Live Streaming with Amazon Interactive Video Service](#)
- [Personalize your recommendation system](#) - Workshop
- [Amazon Athena Workshop](#)