



## Welcome to AWS Fundamentals: Going Cloud-Native

- ✓ **Video:** Welcome to AWS Fundamentals: Going Cloud-Native  
2 min
- ✓ **Reading:** Course Welcome Notes  
5 min
- ✓ **Video:** Meet the Instructors  
1 min
- ✓ **Discussion Prompt:** Introduce Yourself  
5 min

## Overview of AWS

- ✓ **Video:** AWS Overview  
4 min
- ✓ **Reading:** AWS Overview Notes  
10 min
- ✓ **Video:** AWS Infrastructure Part 1  
5 min
- ✓ **Video:** AWS Infrastructure Part 2  
2 min
- ✓ **Reading:** AWS Infrastructure Notes  
5 min
- ✓ **Quiz:** AWS Infrastructure Quiz  
4 questions

## Compute

- ✓ **Video:** What is our Sample App?  
2 min
- ✓ **Video:** Introduction to Compute Services on AWS  
2 min



# Compute Services Notes

Building and running your application starts with compute, whether you are building enterprise, cloud-native, or mobile applications; or running massive clusters to sequence the human genome.

AWS offers a comprehensive portfolio of compute services that allow you to develop, deploy, run, and scale your applications and workloads in the world's most powerful, secure, and innovative compute cloud.

Details about the full range of AWS compute services can be found [here](#).

Later in this module, you will learn about both Amazon Elastic Compute Cloud (Amazon EC2) and Amazon Lightsail. See those sections for more details.

Both serverless computing and container services are beyond the scope of this class. We will cover these topics in subsequent courses, but the following descriptions provide an introduction to some of the key services for serverless computing and containers.

## AWS Lambda

AWS Lambda lets you run code without provisioning or managing servers. You pay only for the compute time you consume--there is no charge when your code isn't running. Additional information about Lambda can be found at: <https://aws.amazon.com/lambda>

## AWS Container Services

Amazon Elastic Container Service (Amazon ECS) is a