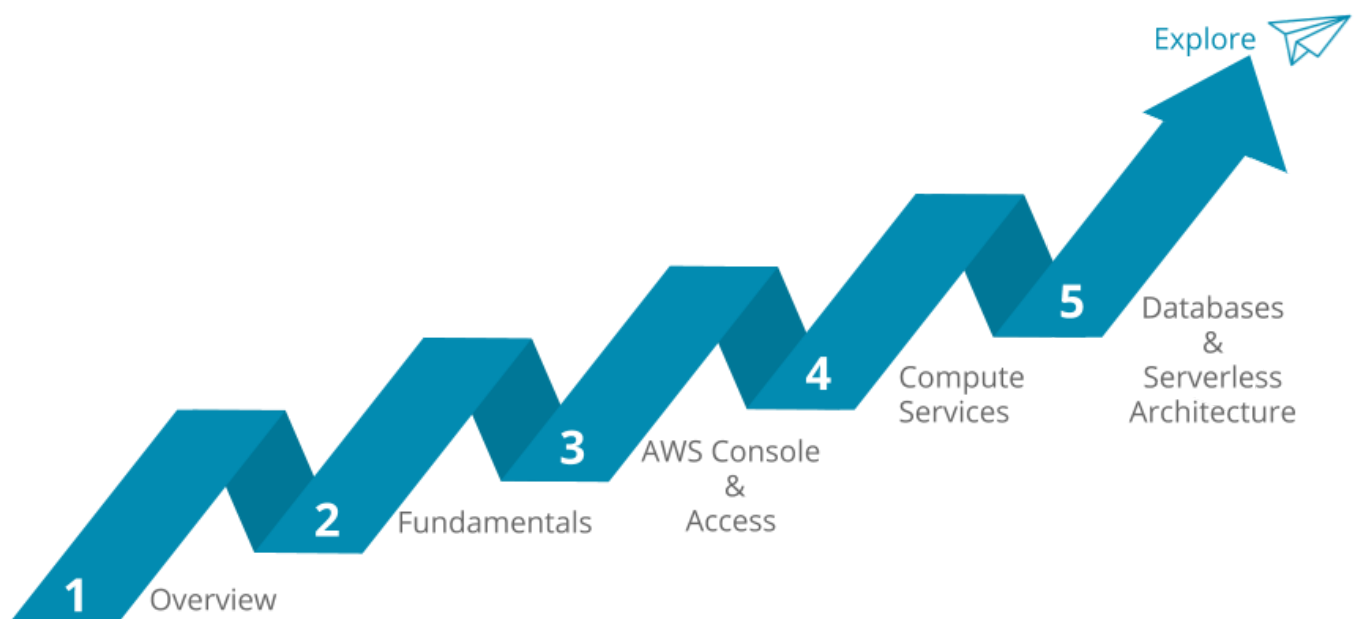


Course Outline

In previous lessons, you:

- Learned about cloud computing
- Launched a virtual machine on your local computer
- Created IAM users and policies
- Uploaded objects to an S3 bucket
- Launched EC2 instances
- Configured an IAM role
- Provisioned an EC2 instance via an init script



Lesson Outline

In this lesson, we will build a complete serverless solution that won't require service management from our side at all. A **Lambda Function** will serve as our backend. The Lambda Function will store data in an **ElastiCache Redis** database. We will connect the Lambda with a serverless frontend called **API Gateway**.

We will also learn how to test the Lambda Function from the console, and how to test the API gateway integration with a tool called **Postman**.

Learning Objectives

In this lesson, you will:

- Create an ElastiCache Redis server
- Create a Lambda Function from the AWS Console

- Program a Lambda Function with code from a pre-existing zip file
- Test a Lambda Function from the console
- Create an API Gateway
- Connect to an API gateway from the Lambda as a trigger
- Trigger the Lambda Function from API Gateway, using a tool called Postman