

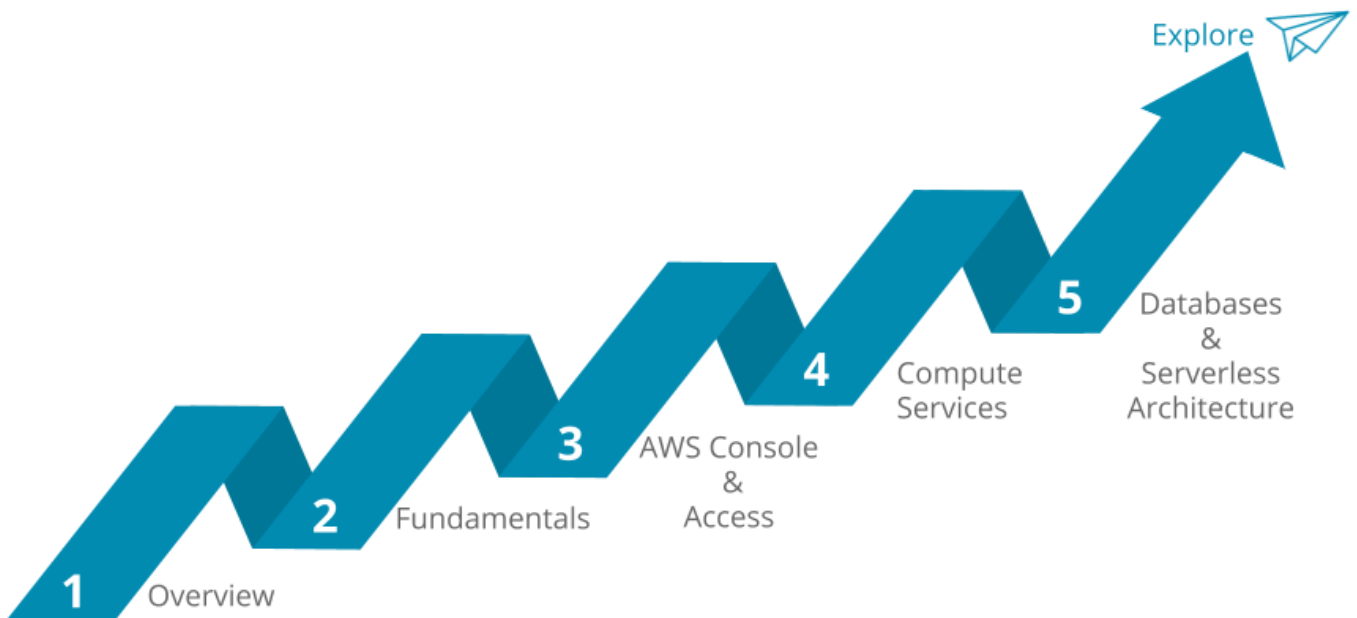
Course Outline

In this lesson, you will:

- Create an EC2 instance
- Automatically provision that instance
- Configure a security group to allow incoming HTTP connections
- Connect your EC2 instance with your existing S3 bucket, via IAM roles and policies

In future lessons, you will:

- Create databases
- Program a serverless function



Lesson Outline

This lesson covers launching an EC2 instance, configuring automatic provisioning via an init script, creating security groups (i.e. a firewall) to allow incoming HTTP connections, and connecting the EC2 instance with an S3 bucket via an IAM role.

Learning Objectives

In this lesson, you will:

- Create an IAM role for an EC2 instance
- Configure a read-only inline IAM policy to access an S3 bucket
- Launch a Linux virtual machine (EC2 instance)
- Create a security group to allow HTTP access on port 80

- Attach an Elastic IP address to an EC2 instance
- Create an init script to install the NGINX webserver on your instance
- Terminate an EC2 instance
- Update the init script to replace the default NGINX webpage with content from your s3 bucket
- Launch a new EC2 instance that automatically pulls your custom webpage from S3