

Cloud



Caltech | Center for Technology & Management Education

Post Graduate Program in Cloud

Cloud



Caltech

**Center for Technology &
Management Education**

AWS Solution Architect: Associate Level



Course Introduction

What Is Cloud Computing?

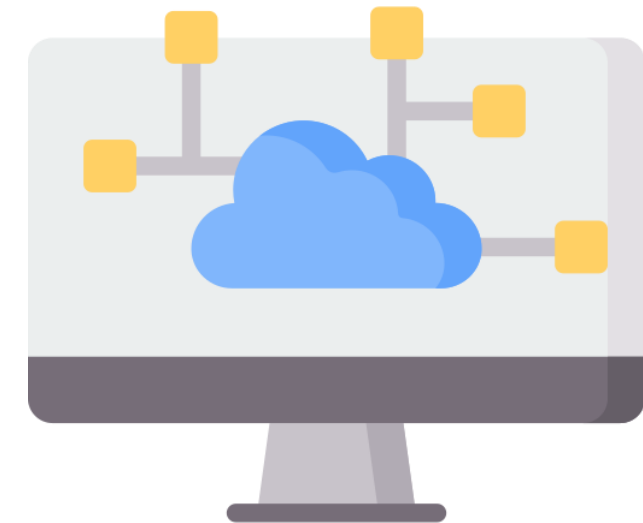
Cloud computing refers to on-demand remote availability of resources such as computing power, data storage, networking, and more, without requiring any direct management of the resources by the user.

More about Cloud Computing:

The companies which provide cloud computing services are called cloud providers.

The services are made accessible to the users over the internet.

The cloud providers ensure large-scale management of the services.



What Is AWS?

Amazon Web Services (AWS) is one of the top cloud providers in the market that offers over 175 on-demand cloud services. The services are extended to individuals, companies, and governments on a pay-per-use payment model.



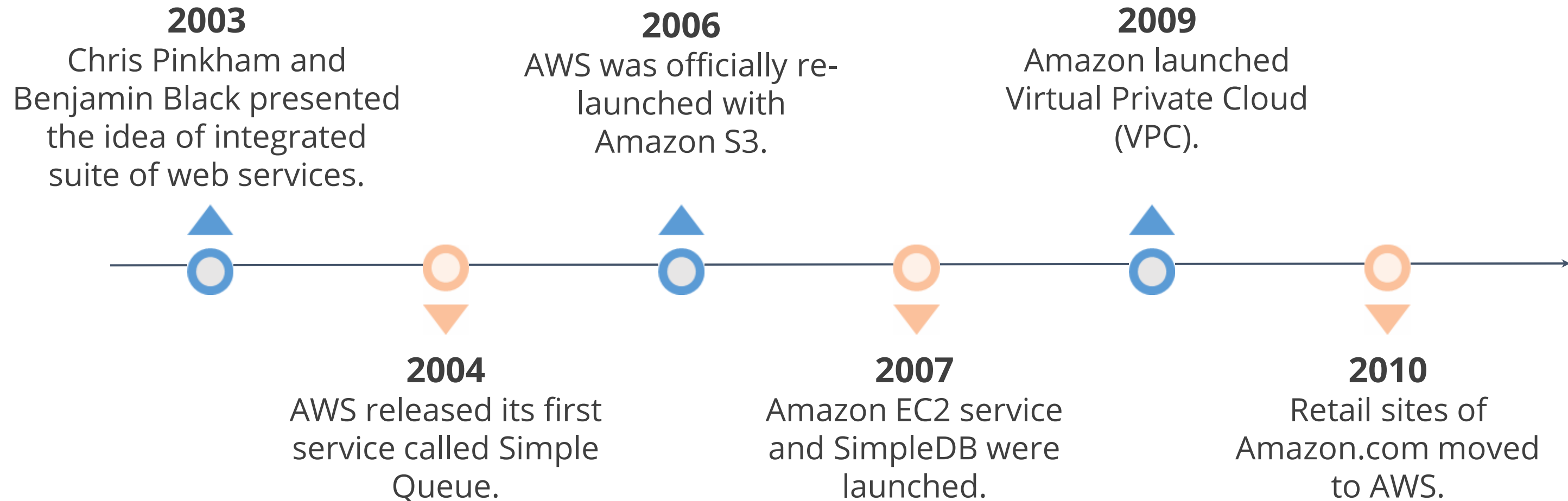
Why AWS?

AWS offers you the following features:

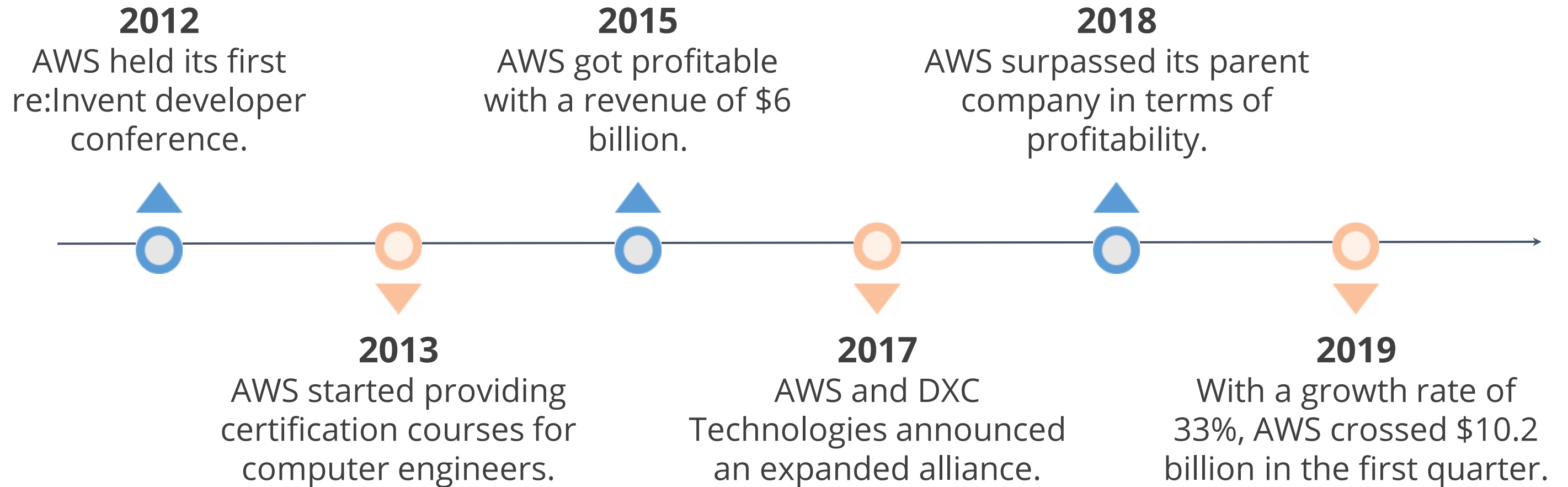


AWS offers a Cloud Platform, powering businesses in 190 countries.

History of AWS



History of AWS



Market Trends

The worldwide Cloud Computing market is expected to reach \$331.2B by 2022.

Salary of AWS Professionals



The take-home salary is nearly \$170,000 with an AWS profile.

Demand for AWS Professionals



20 million jobs are available globally for AWS professionals.

Official Exam Information

Exam name:



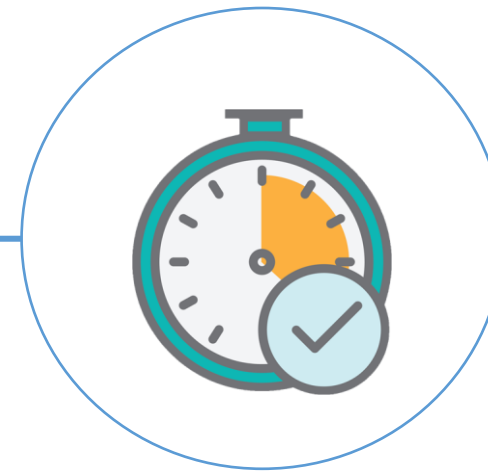
AWS Certified Solutions Architect - Associate (SAA-C02)

Exam Format:



65 multiple choice type questions

Exam duration:



130 minutes

Exam Languages:



English, Japanese, Korean, and Chinese

Official Exam Information

Official exam cost:



150 USD

Practice exam cost:



20 USD

Delivery method:



Testing center or
Proctored exam

Course Objectives

Enhance your knowledge of Amazon Web Services

Design, plan, and scale in the AWS cloud

Architect and deploy robust and secure applications on AWS

Apply AWS architecture principles and best practices to take architectural decisions

Note: Simplilearn's AWS Solutions Architect-Associate Level course is directly aligned with the official AWS Certified Solutions Architect - Associate (SAA-C02) certification.

Course Outline

01

Course Introduction

02

AWS Overview

03

Amazon Storage Services

04

Amazon Virtual Private Cloud

05

Amazon Elastic Compute Cloud

06

Databases on AWS

07

AWS Route53 DNS Services

08

IAM and Security on AWS

09

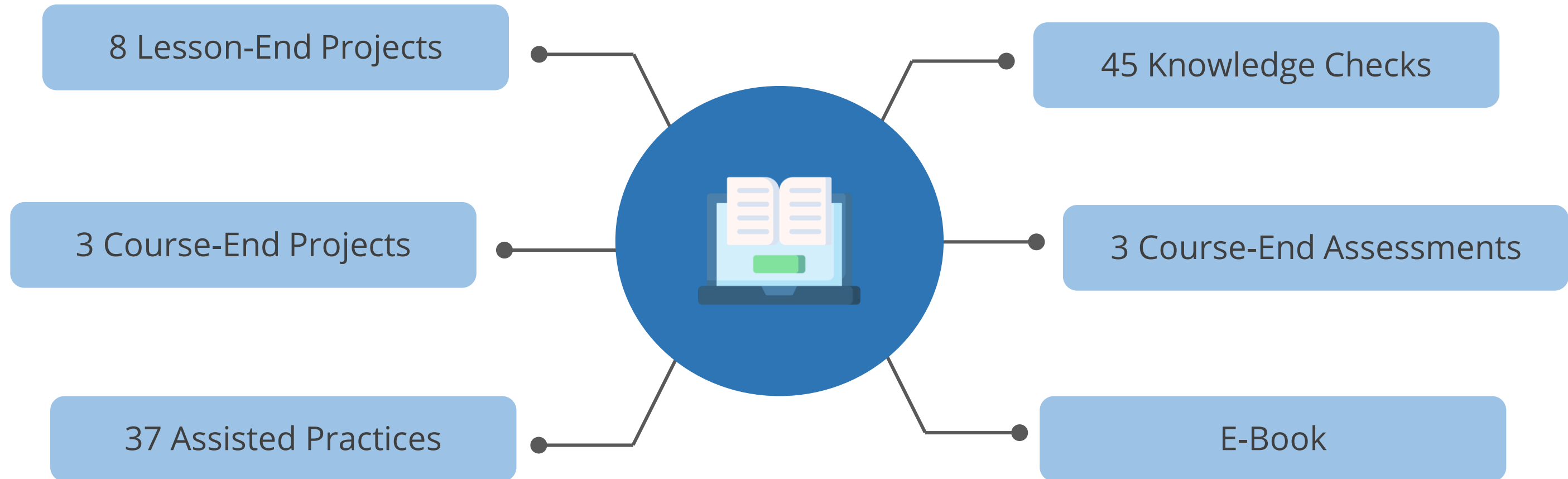
Application and Serverless Services in AWS

10

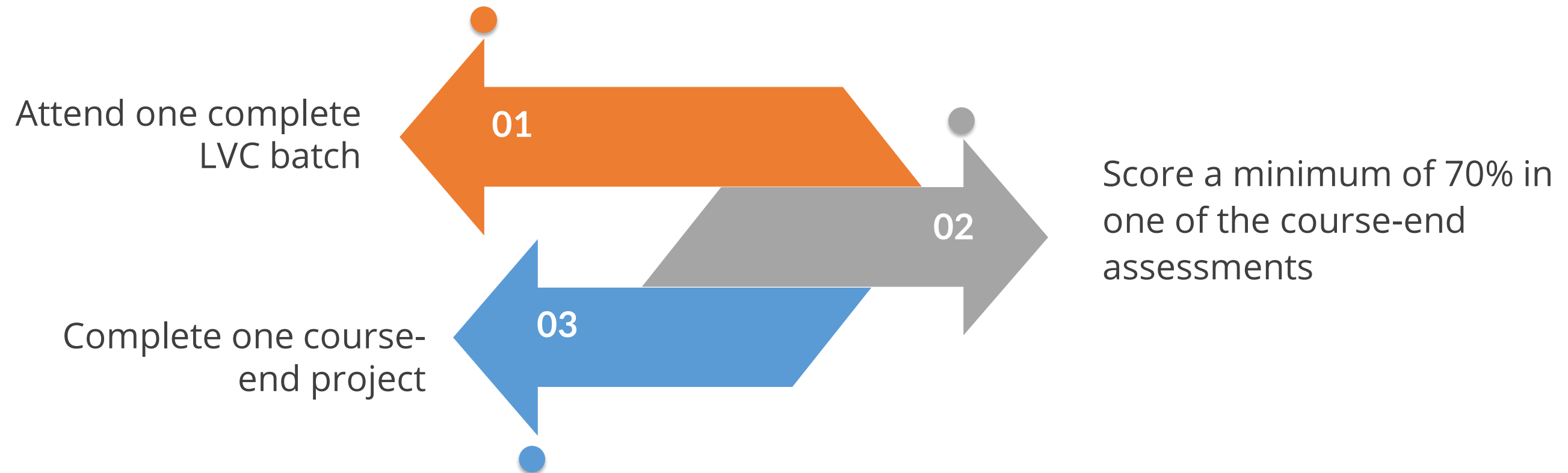
Highly Available and Secure Architecture

Course Components

Simplilearn's comprehensive learning platform will give you an in-depth understanding of the key concepts with the help of the following course components:



Course Completion Criteria



simplilearn

Get Certified. Get Ahead.