

# TECHNOLOGY



## Designing Applications and Architectures in AWS

(Aligned with AWS Solution Architect Associate Certification)

## Course Introduction



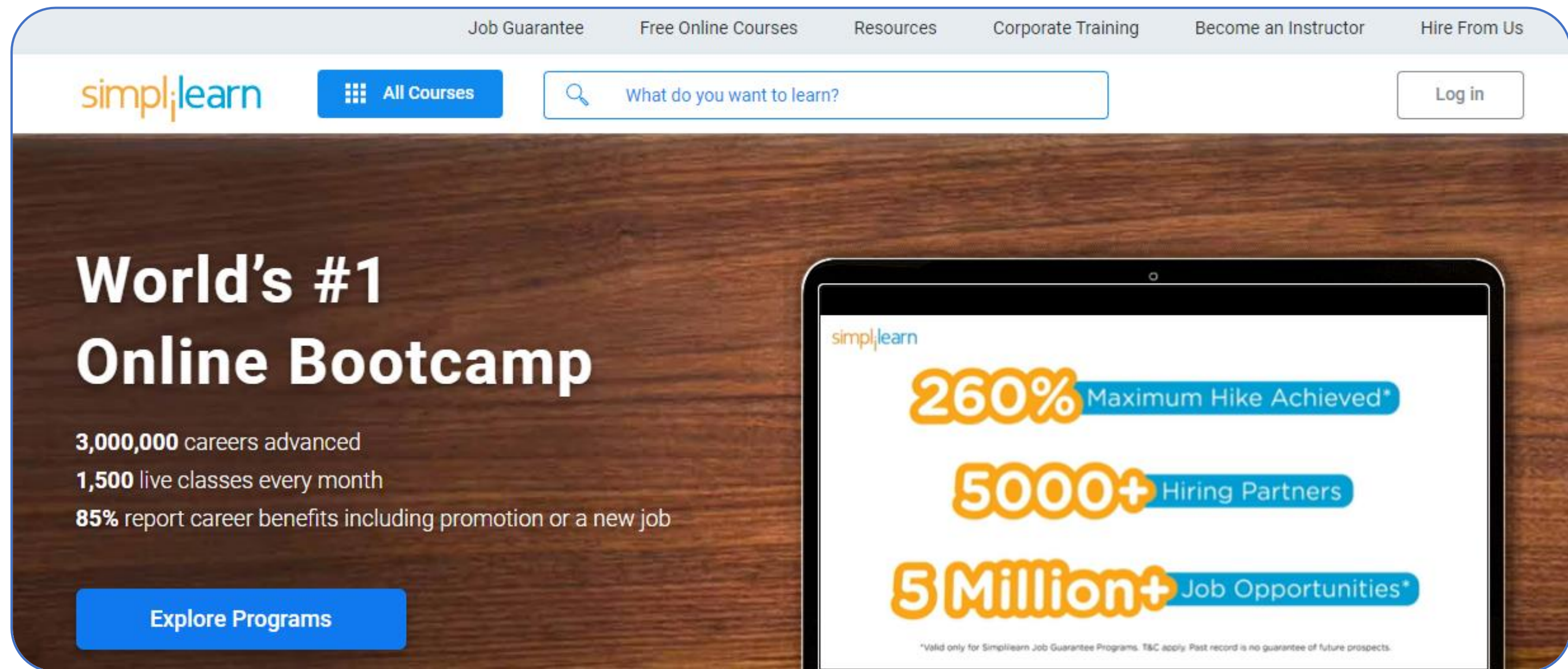


# TECHNOLOGY

## About Simplilearn

# About Simplilearn

For over a decade, Simplilearn has focused on providing skills essential for digital transformation. Today, Simplilearn has become the **World's #1 Online Bootcamp**.



The image is a screenshot of the Simplilearn website homepage. The top navigation bar includes links for 'Job Guarantee', 'Free Online Courses', 'Resources', 'Corporate Training', 'Become an Instructor', and 'Hire From Us'. Below this is the Simplilearn logo, a grid icon, and a button labeled 'All Courses'. A search bar with the placeholder text 'What do you want to learn?' and a 'Log in' button are also present. The main content area features a large wooden-textured background with the headline 'World's #1 Online Bootcamp'. Below the headline, three statistics are listed: '3,000,000 careers advanced', '1,500 live classes every month', and '85% report career benefits including promotion or a new job'. A blue button labeled 'Explore Programs' is positioned at the bottom left. On the right side, a tablet displays a graphic with three statistics: '260% Maximum Hike Achieved\*', '5000+ Hiring Partners', and '5 Million+ Job Opportunities\*'. A small disclaimer at the bottom of the tablet screen reads: '\*Valid only for Simplilearn Job Guarantee Programs. T&C apply. Past record is no guarantee of future prospects.'

Job Guarantee   Free Online Courses   Resources   Corporate Training   Become an Instructor   Hire From Us

simplilearn   All Courses   What do you want to learn?   Log in

## World's #1 Online Bootcamp

3,000,000 careers advanced  
1,500 live classes every month  
85% report career benefits including promotion or a new job

Explore Programs

simplilearn

260% Maximum Hike Achieved\*

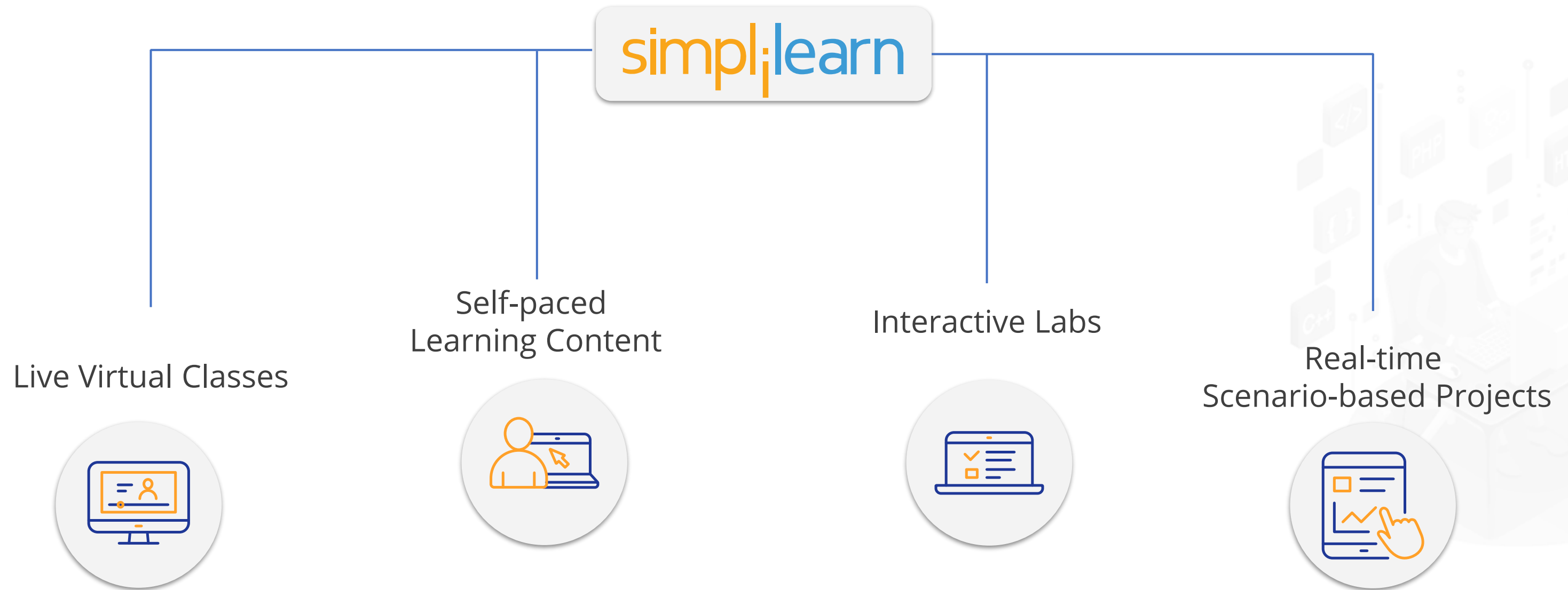
5000+ Hiring Partners

5 Million+ Job Opportunities\*

\*Valid only for Simplilearn Job Guarantee Programs. T&C apply. Past record is no guarantee of future prospects.

# Simplilearn Offerings

At Simplilearn, we provide:



# TECHNOLOGY

## Introduction to AWS



# What Is Cloud Computing?

Cloud computing is an on-demand remote availability of resources, such as computing power, data storage, and networking, without direct user management.



- Companies that provide these services are called cloud providers.
- Services are accessible to users over the Internet.
- Cloud providers ensure large-scale management of these services.

# What Is AWS?

Amazon Web Services (AWS) is a leading cloud provider, offering over 200 on-demand cloud services. These services are extended to individuals, companies, and governments based on a pay-per-use model.





# Why AWS?

AWS offers the following features:



AWS powers businesses in 190 countries with its cloud platform.

# AWS: History

**2003**

Chris Pinkham and Benjamin Black proposed the concept of an integrated suite of web services.

**2006**

AWS was officially relaunched with Amazon S3.

**2009**

Amazon launched the Virtual Private Cloud (VPC).

**2004**

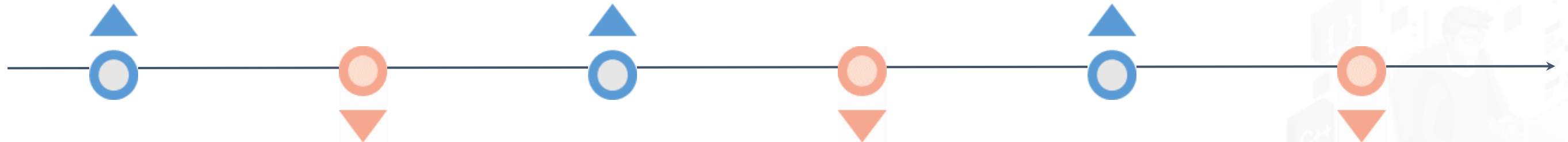
AWS released its first service, Simple Queue.

**2007**

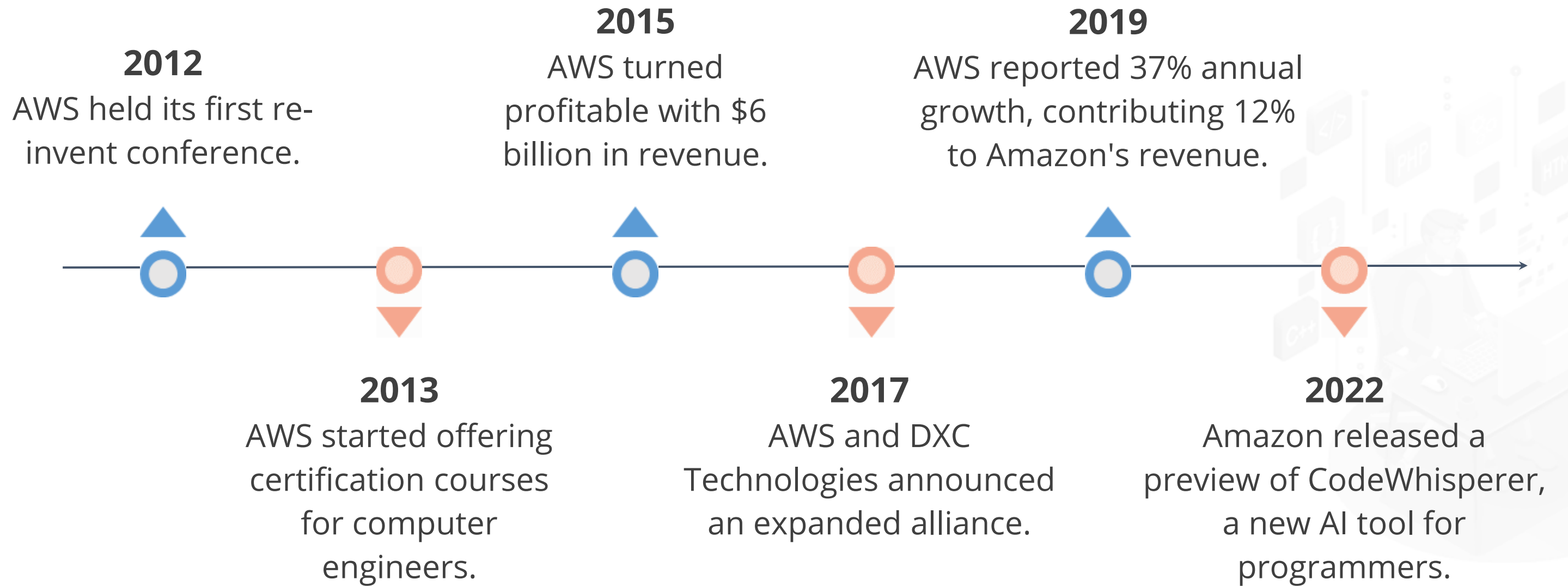
Amazon EC2 and SimpleDB were launched.

**2010**

Amazon.com's retail sites transitioned to AWS.



# AWS: History





# Market Trends

The global cloud computing market is projected to reach \$757.14 billion by 2024.

## AWS professionals' salary



The average salary for an AWS profile is nearly \$160,000.

## Demand for AWS professionals



60% of cloud computing jobs require AWS-related skills.

Source: Statista, Global knowledge, LinkedIn

# Skills Covered

Virtual Private Cloud (VPC)

AWS Security and IAM

AWS Storage Services

Container Service

# Why This Course?



This AWS Solution Architect course offers the opportunity to:

- Design solutions using AWS services that meet current and future business needs
- Create secure, resilient, high-performing, and cost-optimized architectures
- Review and improve existing solutions



# TECHNOLOGY

## Learning Path

# Course Outline

01

Course Introduction

02

AWS Core Concepts

03

Compute and Related Features

04

Storage Services

05

VPC, Networking, and Content Delivery



# Course Outline

06

Databases

07

Security and IAM

08

Serverless and Application Services

09

Monitoring and Automation

10

Container Service

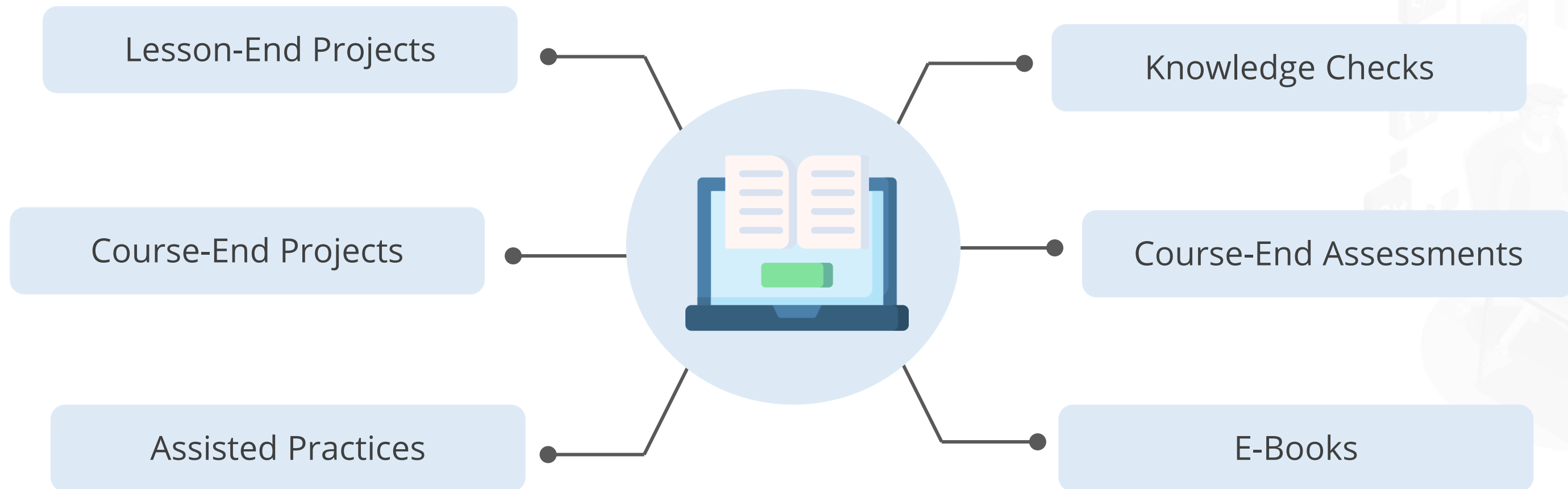




## Course Components

# 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:



## Exam Format



# Official Exam Information

Exam name:



AWS Certified Solutions  
Architect - Associate  
(SAA-C03)

Exam format:



65 multiple choice  
and multiple  
response questions

Exam duration:



130 minutes

Exam languages:



English, French, German,  
Italian, Japanese,  
Korean, Portuguese, and  
Simplified Chinese

# Official Exam Information

Official exam cost:



150 USD

Practice exam cost:



20 USD

Delivery method:



Testing center or  
online proctored  
exam



**Let's get started!**