Caltech | Center for Technology & Management Education

Designing Infrastructure Solutions on Azure

Powered by simplilearn

Cloud Computing

Caltech | Center for Technology & Management Education

Course Introduction

Powered by simplilearn

About Simplilearn

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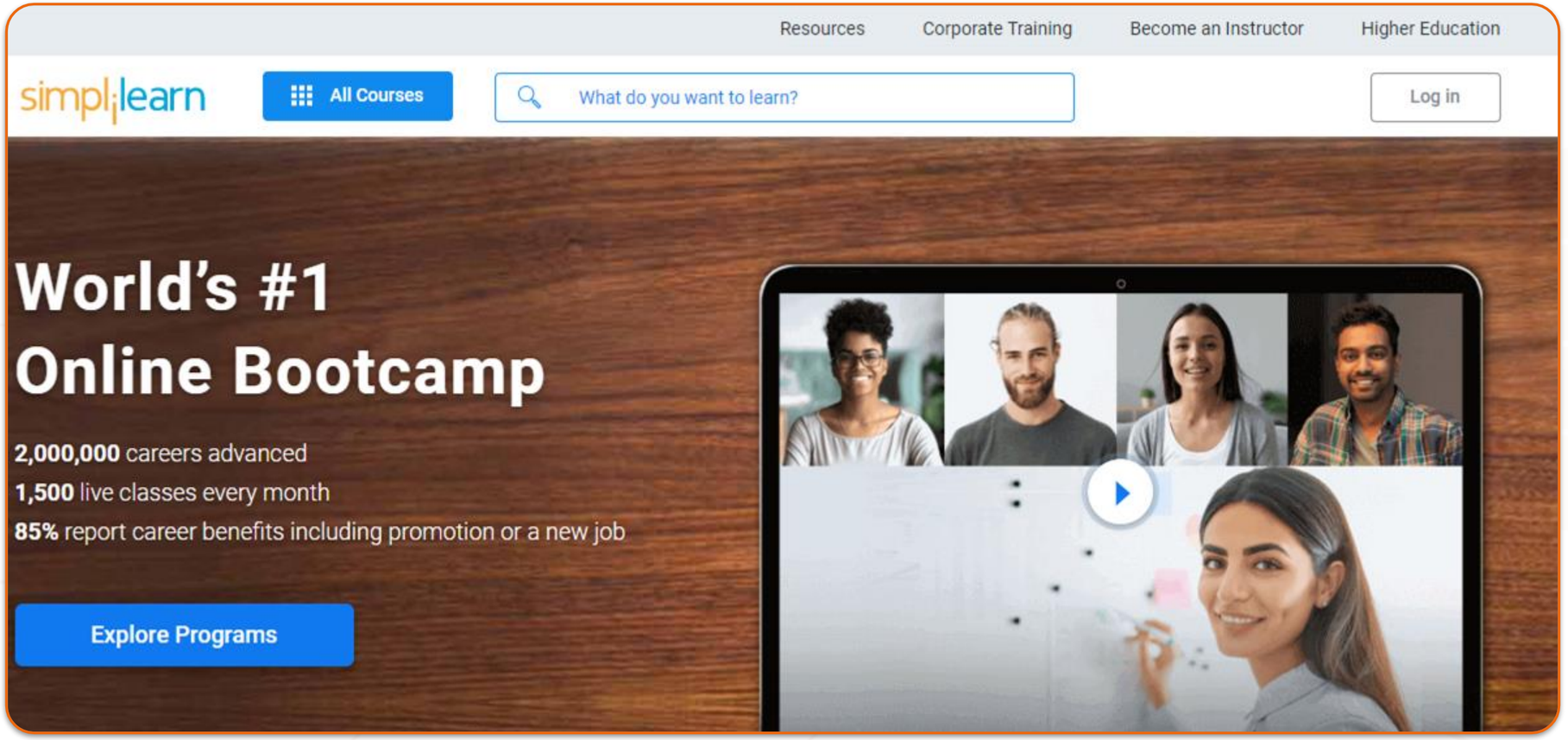
For over a decade now, Simplilearn is focused on digital economy skills.
Now, Simplilearn has become **World's #1 Online Bootcamp.**



Simplilearn

At Simplilearn, we provide:

simplilearn

- Live Virtual Classes

- Self-Paced Learning Content

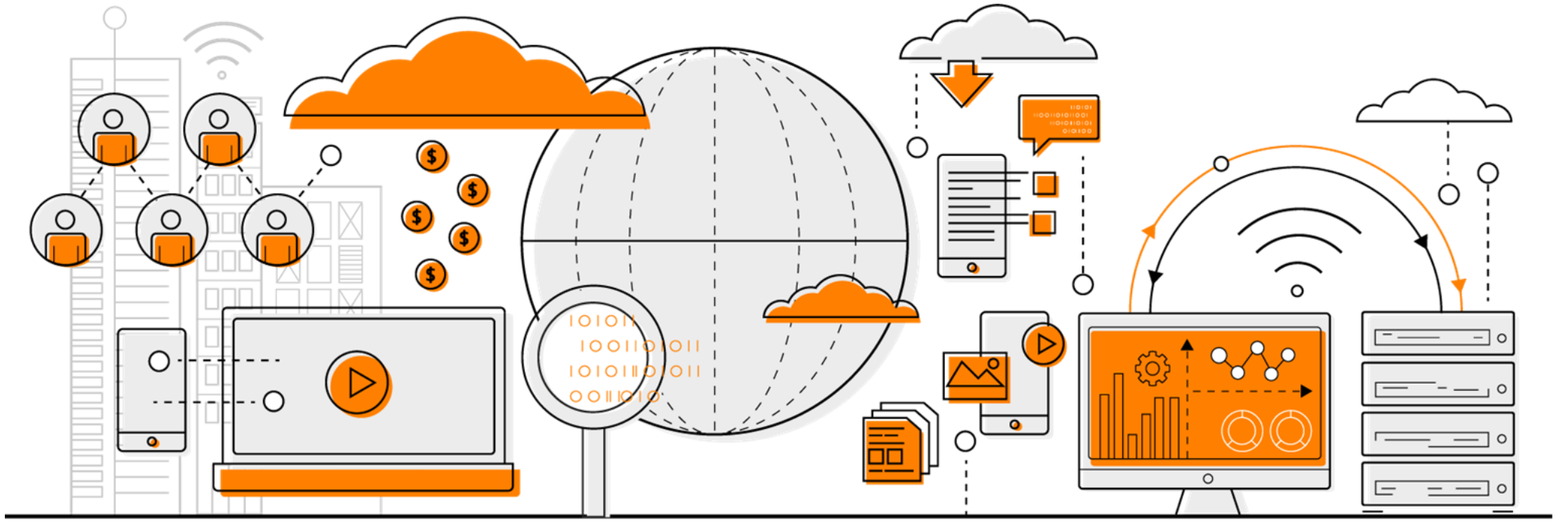
- Interactive Labs

- Real-Time Scenario-Based Projects

Introduction to Cloud Computing

What Is Cloud Computing?

Cloud computing refers to the delivery of services such as computation, storage, and networking through the internet.



It follows a pay-as-you-go approach where users only pay for the resources based on usage.

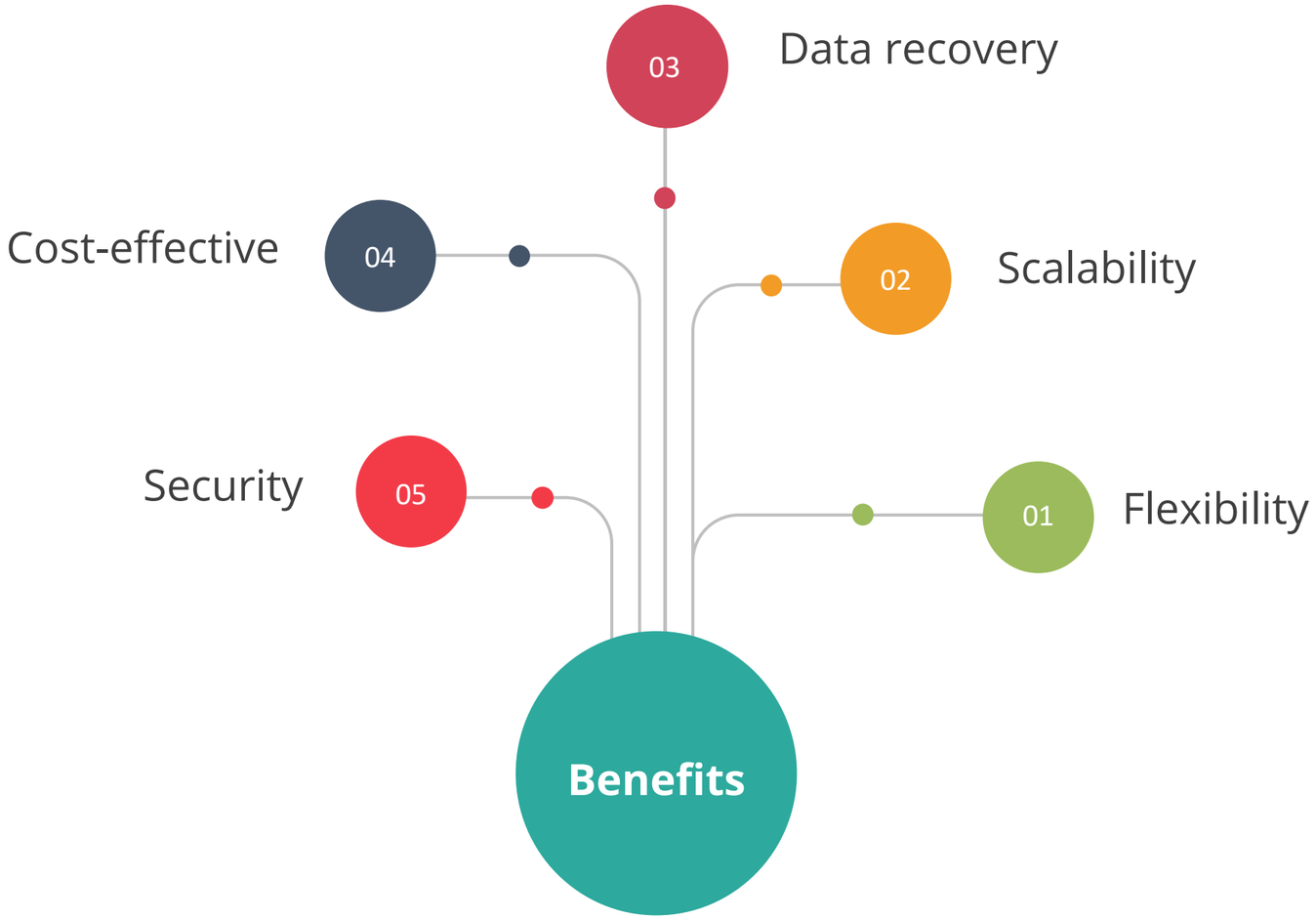
Benefits of Cloud Computing

- Savings
- Efficiency
- Accessibility
- Reliability
- Flexibility
- Security

What Is Microsoft Azure?

Microsoft Azure is one of the market's leading cloud providers, offering over 200 products and cloud services that help users bring creative ideas to life.

Why Microsoft Azure?



Skills Covered

- Role-Based Access Control
- Azure Solutions
- Azure Policy
- Azure Migration

Why This Course?

The Microsoft Azure Solutions Architect Expert AZ 305 course provides an opportunity to prove knowledge of IT operations, including:

- Networking
- Virtualization
- Identity
- Security
- Business continuity
- Disaster recovery
- Data platforms
- Governance

Learning Path

Course Outline

01 Course Introduction

02 Design a Governance Solution

03 Design Authentication Solutions

04 Design Authorization

05 Design a Solution for Logging and Monitoring

Course Outline

06 Design for High Availability

07 Design a Solution for Backup and Recovery

08 Design a Solution for Non-Relational Data

09 Design a Solution for Relational Data

10 Design Data Integration

Course Outline

11 Design a Compute Solution

12 Design an Application Architecture

13 Design a Network Solution

14 Design Migrations

15 Design for Cost Optimization

Course Components

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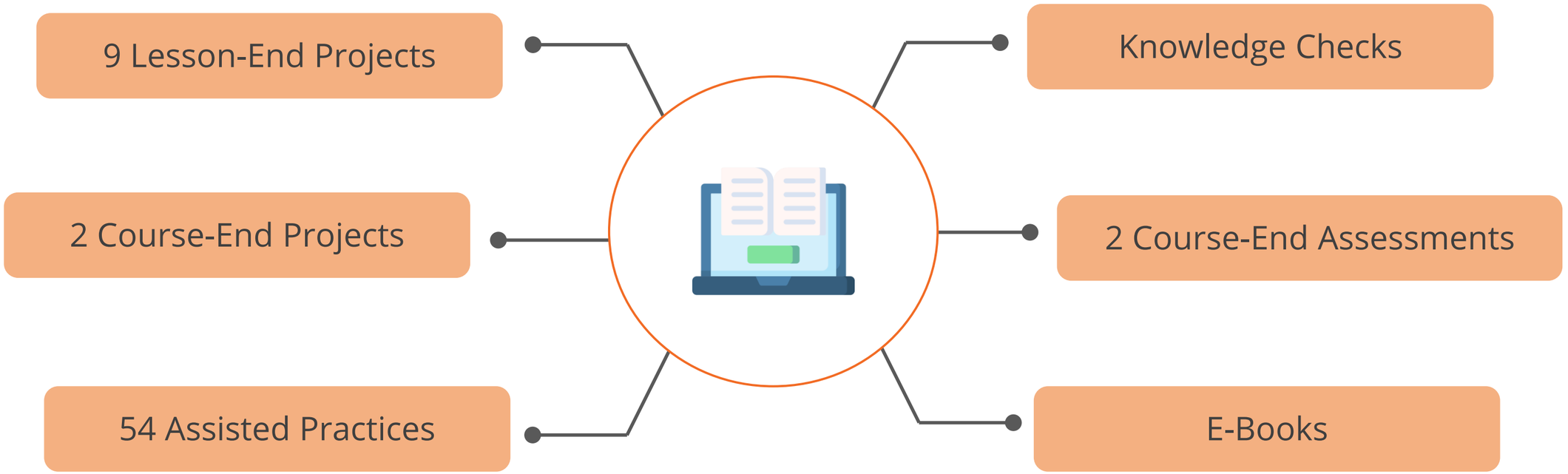
Simplilearn's comprehensive learning platform will provide you with an in-depth understanding of the key concepts with the help of the following course components:



Exam Format

Official Exam Information

Exam name	Exam format	Exam duration	Exam languages
CB CC - Designing Infrastructure Solutions on Azure	60-70 multiple choice questions and case studies	85 minutes	English, Japanese, Chinese (simplified), Korean

The passing score for the certification is 700 out of 1000.

Let’s get started!