

Cloud  
Computing

**Caltech**

Center for Technology &  
Management Education

## Post Graduate Program in Cloud Computing

# Cloud Computing

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**Center for Technology &  
Management Education**

**PG CC - Microsoft Azure Architect  
Technologies: AZ:303**

# Cloud Computing

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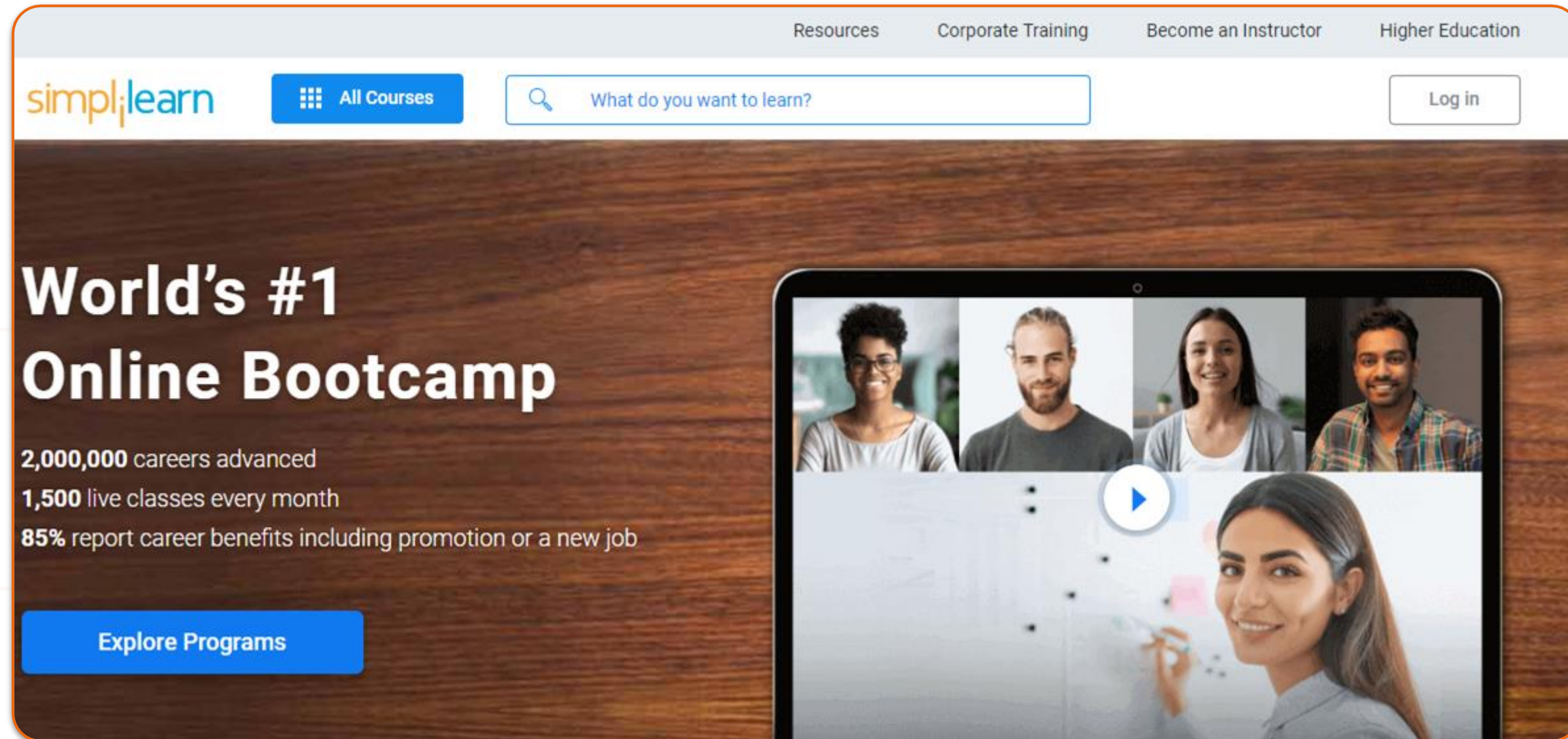
## Course Introduction

# About Simplilearn



# About Simplilearn

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

A screenshot of the Simplilearn website homepage. The header features the Simplilearn logo, a grid icon for 'All Courses', a search bar with the placeholder text 'What do you want to learn?', and a 'Log in' button. Navigation links for 'Resources', 'Corporate Training', 'Become an Instructor', and 'Higher Education' are in the top right. The main hero section has a dark wood background. On the left, it says 'World's #1 Online Bootcamp' in large white text, followed by statistics: '2,000,000 careers advanced', '1,500 live classes every month', and '85% report career benefits including promotion or a new job'. A blue 'Explore Programs' button is at the bottom left. On the right, a tablet displays a video of four people in a meeting, with a play button overlay. Below the tablet, a woman is shown pointing at a whiteboard.

Resources Corporate Training Become an Instructor Higher Education

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

## World's #1 Online Bootcamp

2,000,000 careers advanced  
1,500 live classes every month  
85% report career benefits including promotion or a new job

Explore Programs

# Simplilearn

At Simplilearn, we provide:

simplilearn

Live Virtual Classes



Self-Paced  
Learning Content



Interactive Labs



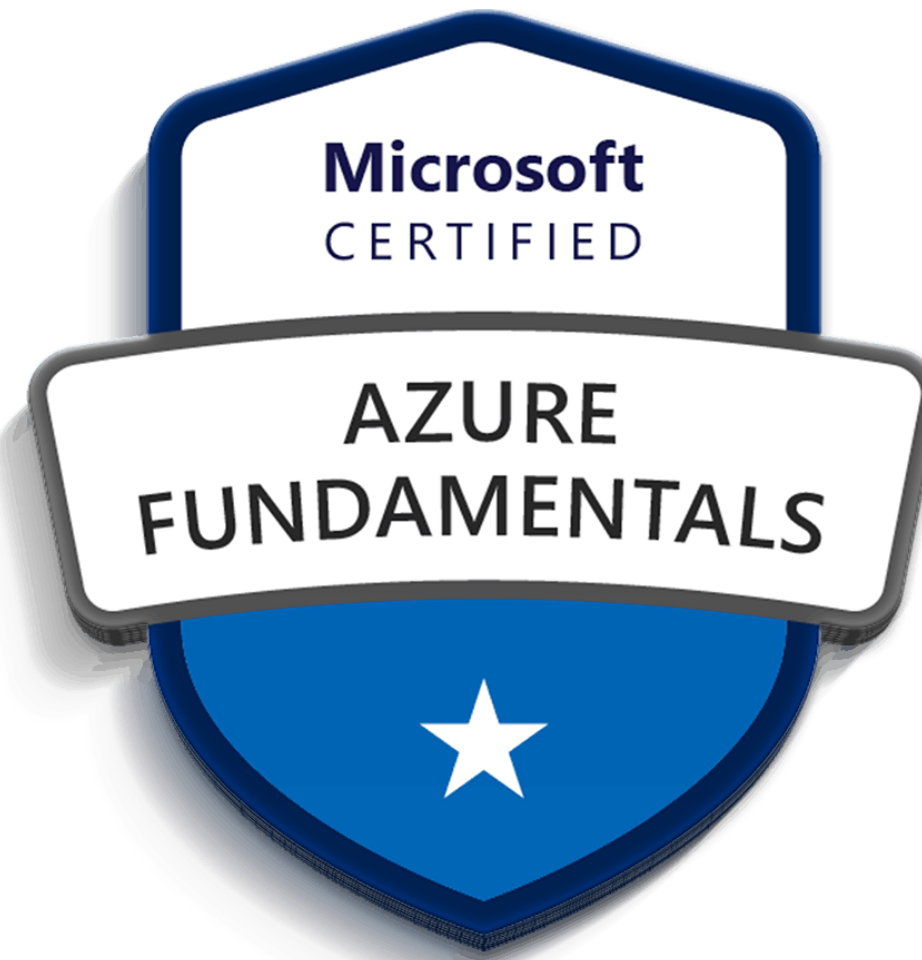
Real-Time  
Scenario-Based Projects



# Prerequisites

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Please ensure completing Microsoft Azure Fundamentals course available under your elective section before starting with the live class.

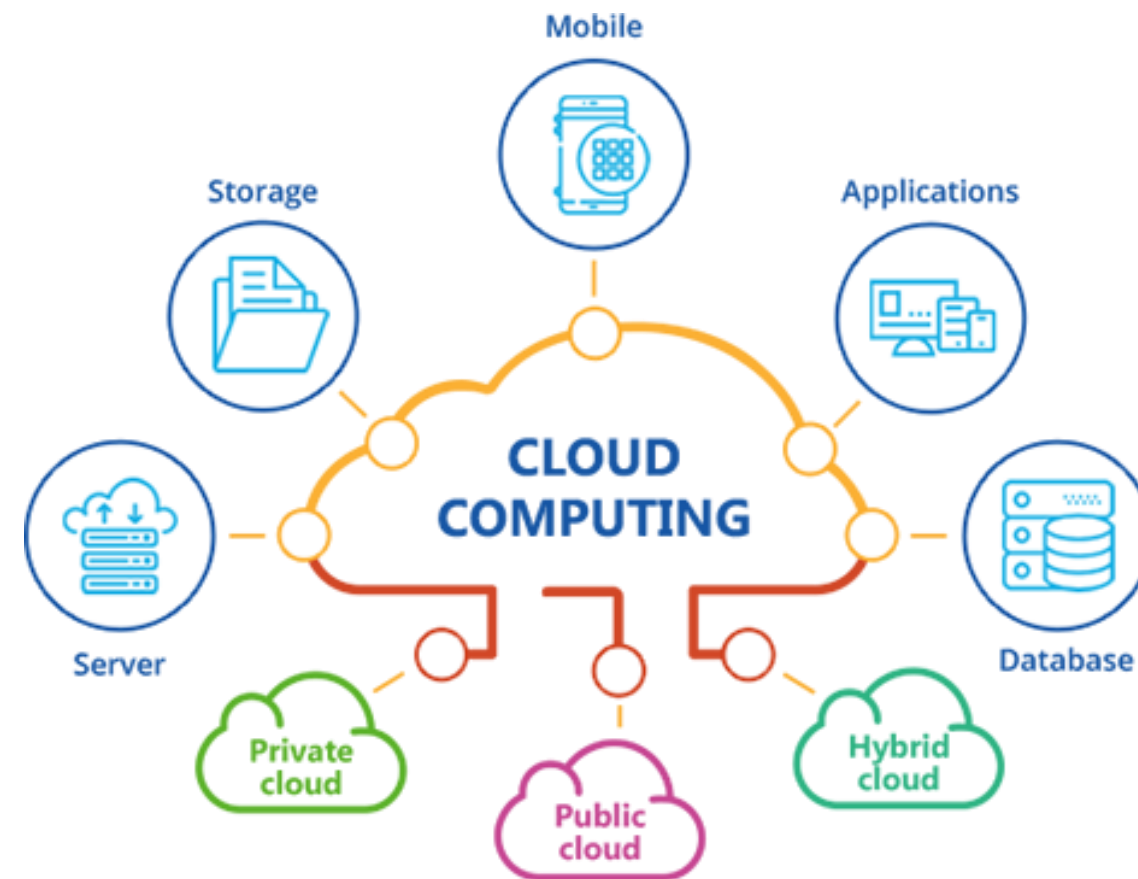




# Introduction to Cloud Computing

# What Is Cloud Computing?

Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.



Some major technology service offerings by cloud providers are: compute, network, storage, and database.

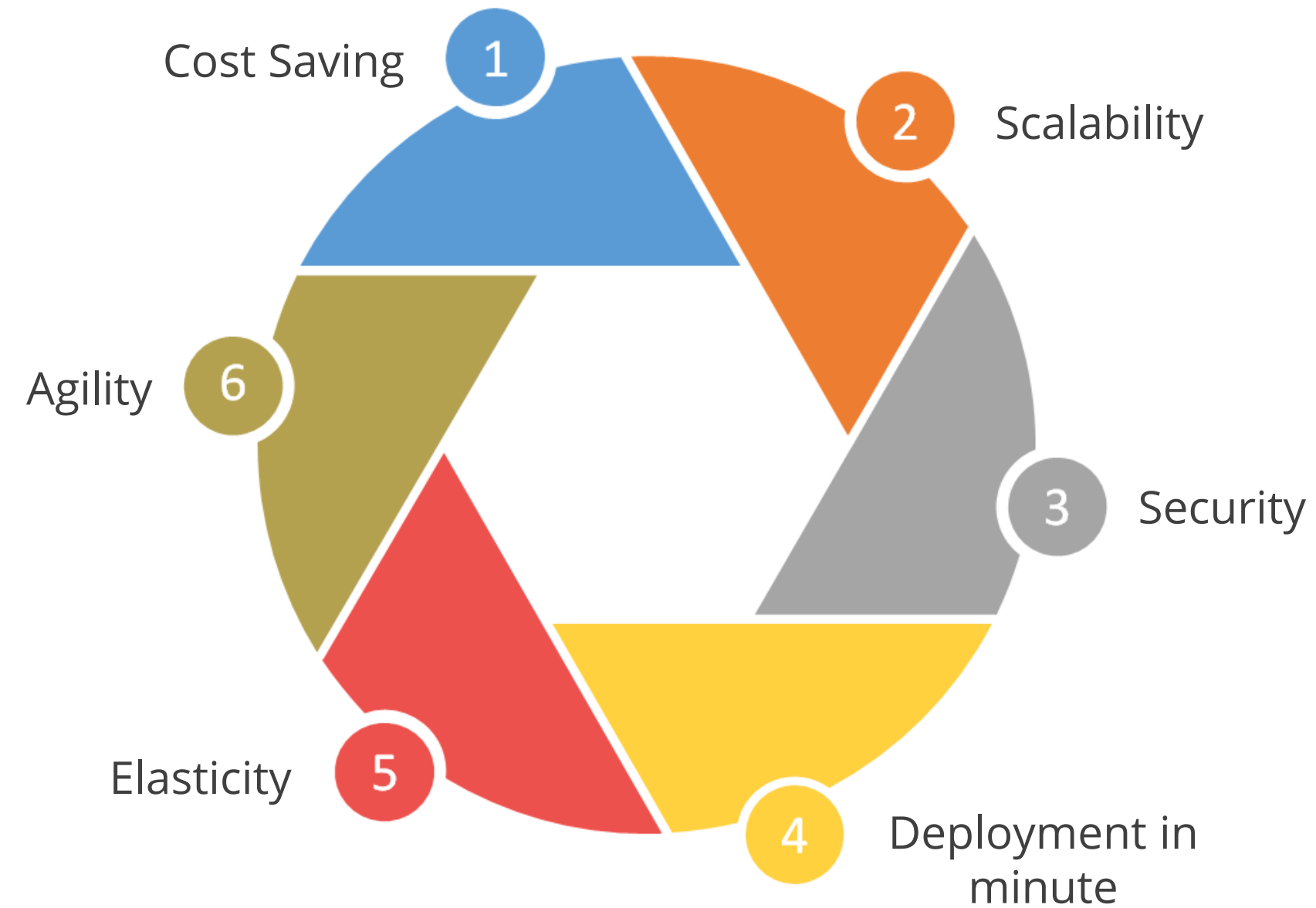
# What Is Microsoft Azure?

Microsoft Azure is one of the top cloud providers in the market that includes more than 200 products and cloud services that can assist you in bringing innovative ideas to life.



# Microsoft Azure

# Why Microsoft Azure?



# Skills Covered

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**Azure Monitoring**

**Resource Management and  
Azure Security**

**Data Platforms  
Management**

**Application Solution**

# Why this Course?

The Microsoft Azure Architect Technologies AZ-303 course helps you learn how to build and deploy Microsoft Azure solutions, including storage, networking, computation, and security.



The course also helps you in advising stakeholders and translating business requirements into secure, scalable, and reliable cloud solutions.



# Learning Path

# Course Outline

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- 01 Course Introduction
- 02 Implement Azure Active Directory
- 03 Implement and Manage Hybrid Identities
- 04 Implement Virtual Networking
- 05 Implement VMs for Windows and Linux

# Course Outline

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- 06 Implement Load Balancing and Network Security
- 07 Implement Storage Accounts
- 08 Implement NoSQL Databases
- 09 Implement Azure SQL Databases
- 10 Automate Deployment and Configuration of Resources

# Course Outline

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11

Implement and Manage Azure Governance Solutions

12

Implement an Application Infrastructure

13

Implement Container-Based Applications

14

Manage Security for Applications

15

Manage Workloads in Azure

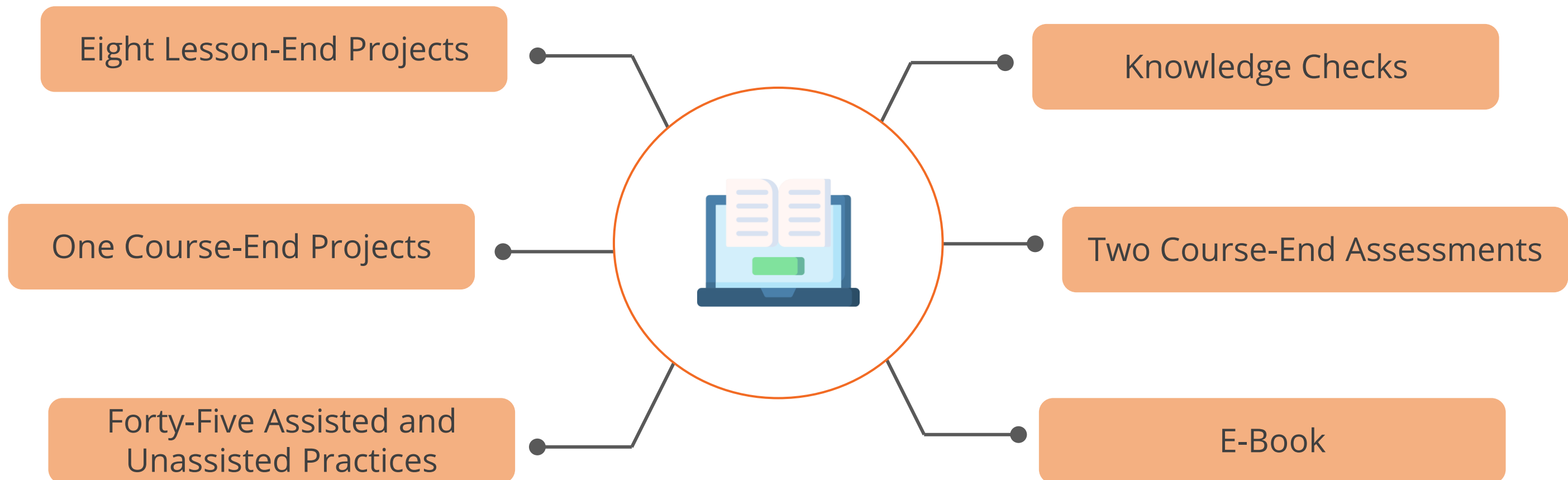
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Implement Cloud Infrastructure Monitoring

# Course Components

# Course Components

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:

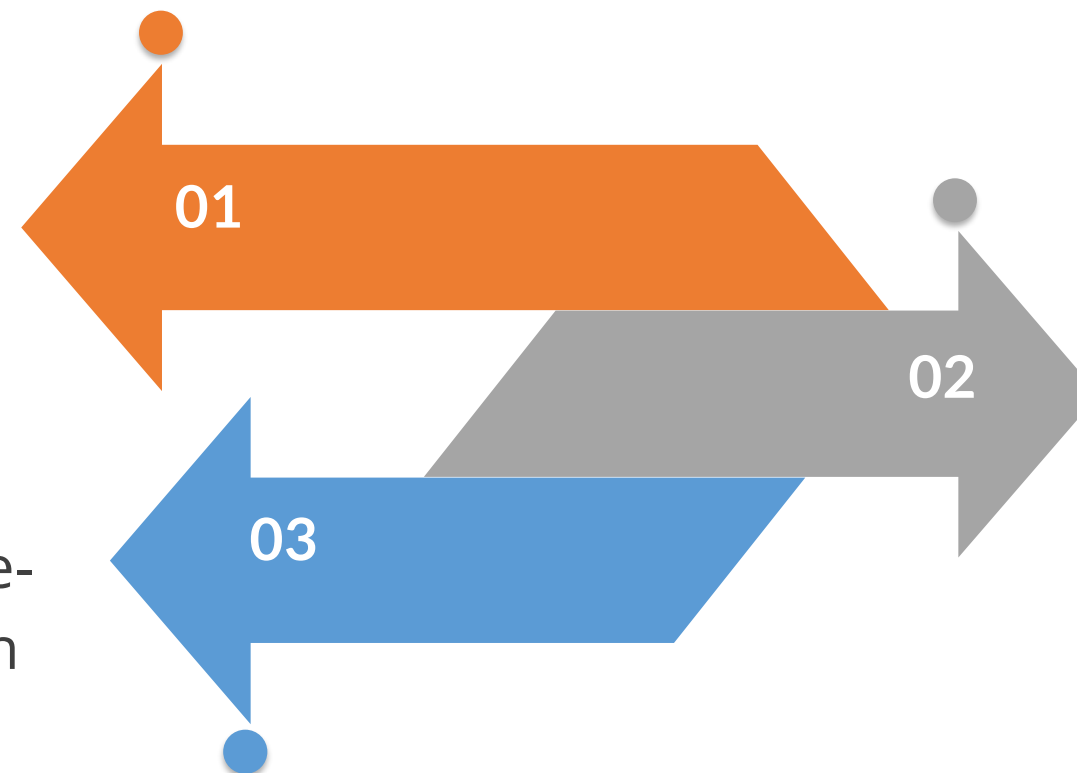




# Course Completion Criteria

85% course completion percentage  
for online self learning (OSL) or  
attend one complete live virtual  
class (LVC) batch

Complete one course-  
end assessment with  
80%



Complete and get one  
course-end project approved

# Career Benefits for an Azure Architect

# Career Benefits of an Azure Architect



- Flexible career option with career growth
- Awarding salary and becoming a valuable asset
- Structured learning with fast learning process and security offerings

# Market Trends

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

## Salary of Azure Professionals



The take-home salary is nearly \$125,993 for an Azure profile.

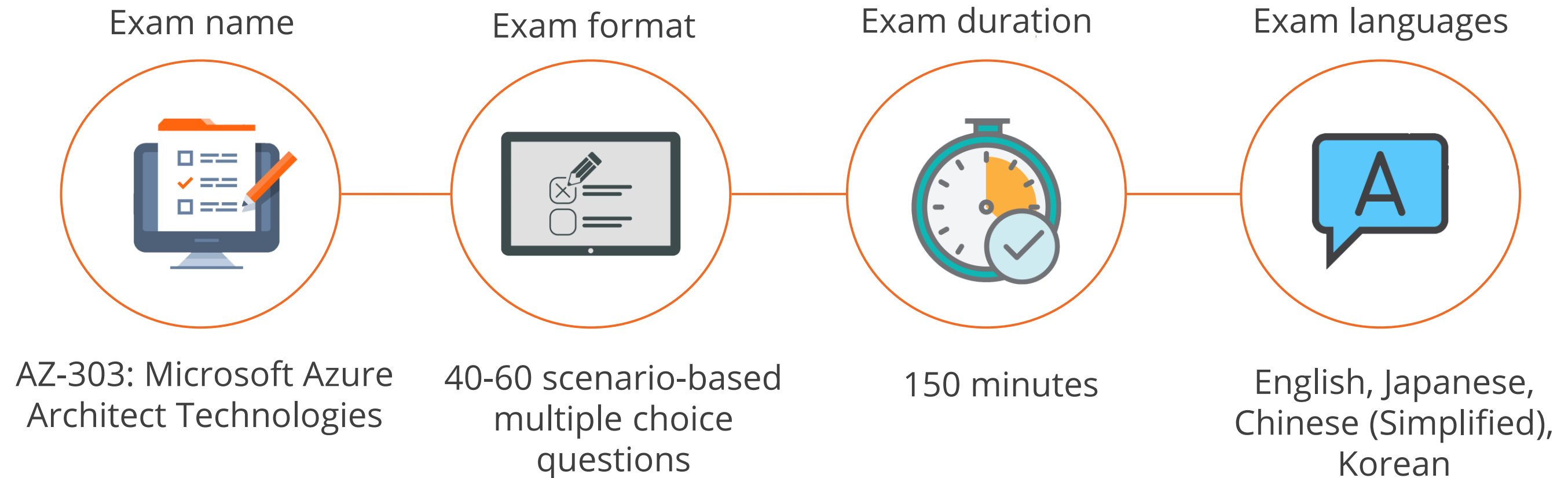
## Demand for Azure Professionals



25 million jobs are available globally for Azure professionals.

# Exam Format

# Official Exam Information



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





**Let's get started**