Cloud Computing

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PG CC - Microsoft Azure Architect
Design: AZ:304

Cloud Computing

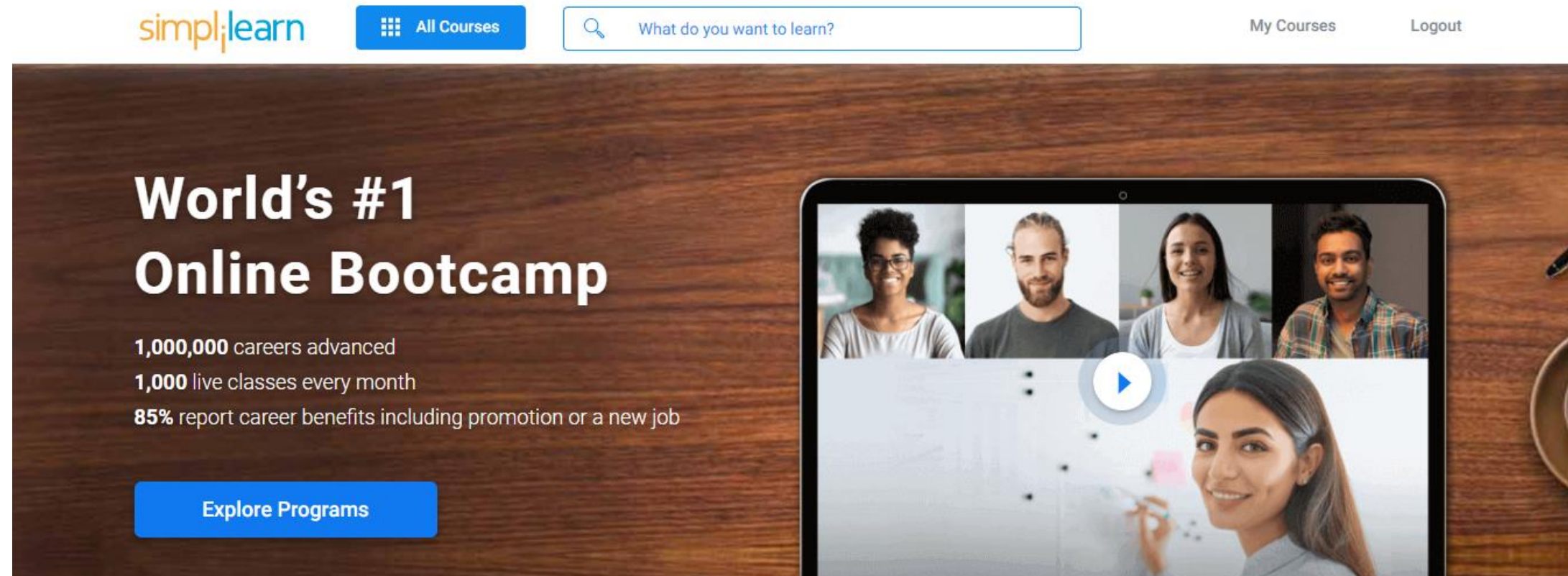**Caltech** | Center for Technology & Management Education

Course Introduction

About Simplilearn

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About Simplilearn

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

Simplilearn

At Simplilearn, we provide:

Live Virtual Classes

Self-Paced Learning Content

Interactive Labs

Scenario-Based Projects

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Prerequisites

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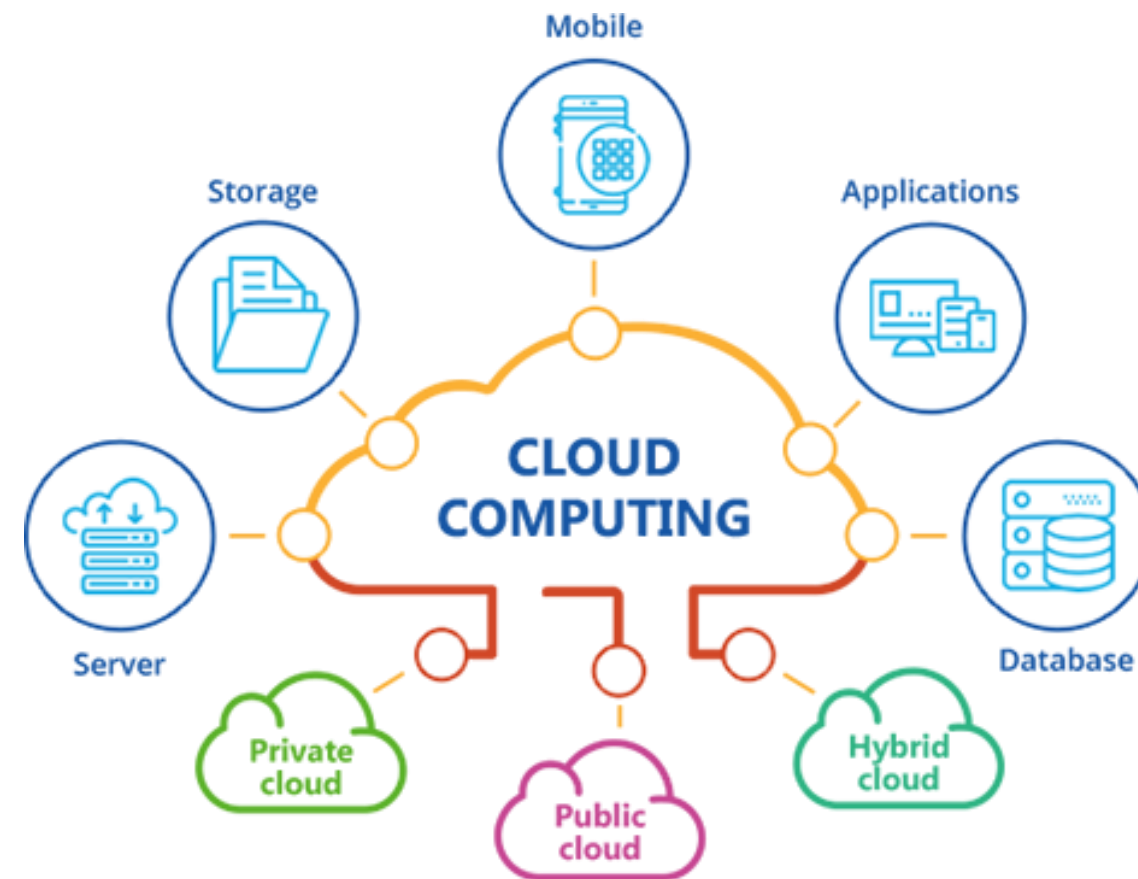
Please ensure completing Microsoft Azure Fundamentals course available under your elective section before starting with the live class.

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Introduction to Cloud Computing

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What Is Cloud Computing?

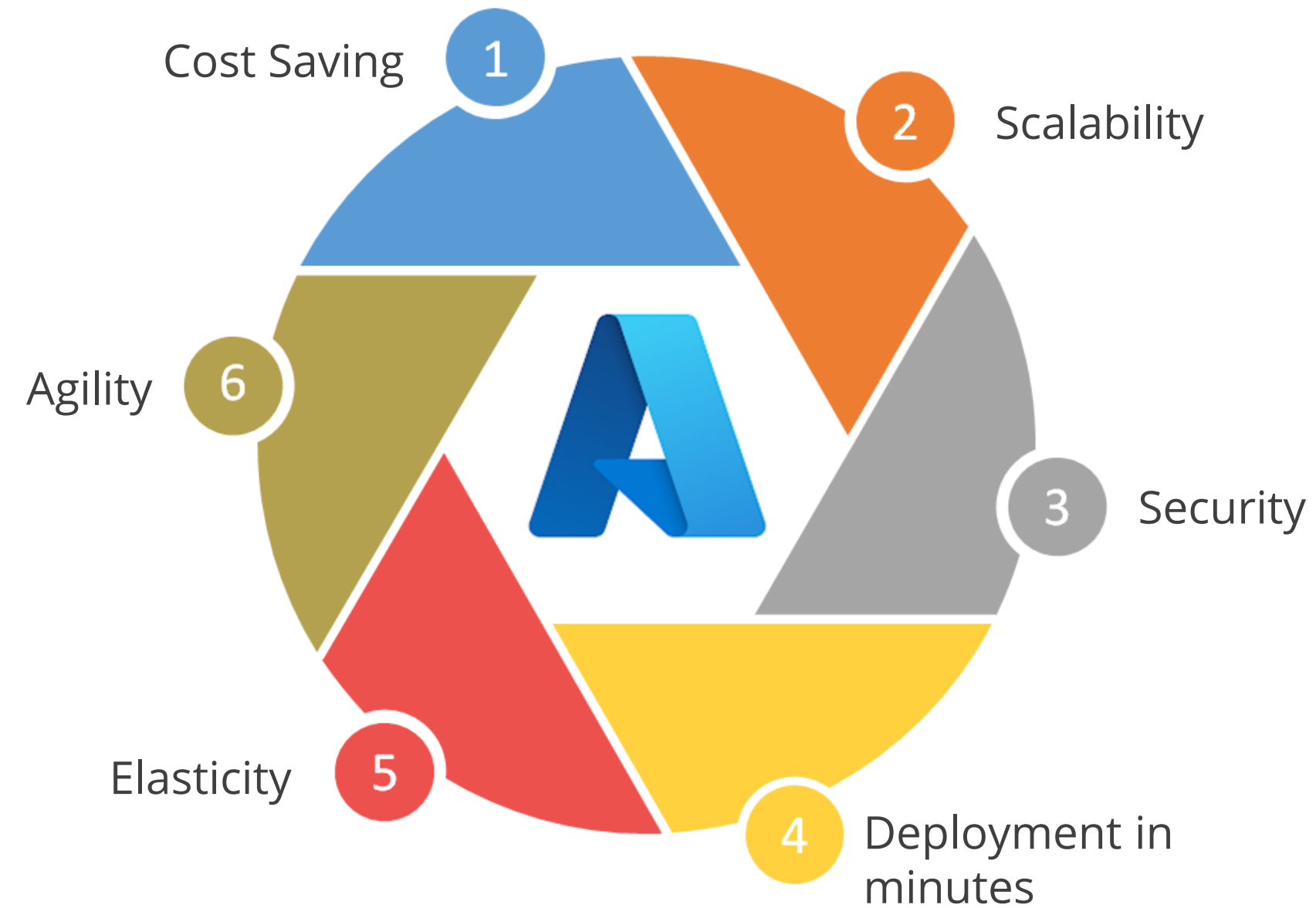Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.

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.

Why Microsoft Azure?

1 Cost Saving
2 Scalability
3 Security
4 Deployment in minutes
5 Elasticity
6 Agility

Skills Covered

Design Monitoring

Design Identity and Security

Design Data Storage

Design Business Continuity

Design Infrastructure

Why this Course?

The Microsoft Azure Architect Design AZ-304 course helps you translate business requirements into secure, scalable, and reliable solutions.

Microsoft

CERTIFICATION EXAM

AZ-304

The course also helps you in advising stakeholders and learning how to build and deploy Microsoft Azure solutions, including storage, networking, computation, and security.

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Learning Path

Course Outline

01   Course Introduction

02   Design a Compute Solution

03   Design a Network Solution

04   Design Migrations

05   Design Authentication

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Course Outline

06   Design Authorization

07   Design Governance

08   Design a Solution for Databases

09   Select an Appropriate Storage Account

10   Design Data Integration

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Course Outline

11 Design a Solution for Logging and Monitoring

12 Design a Solution for Backup and Recovery

13 Design for High Availability

14 Design for Cost Optimization

15 Design an Application Architecture
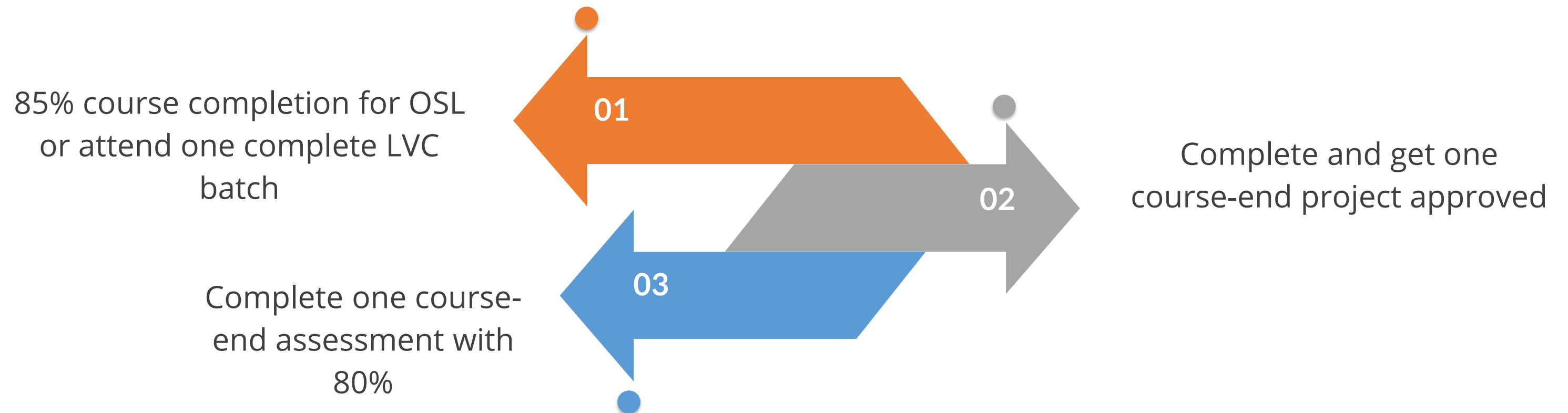
16 Design Security for Applications

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:

9 Lesson-End Projects

80 Knowledge Checks

1 Course-End Projects

2 Course-End Assessments

50+ Assisted and Unassisted Practices

E-Book

Course Completion Criteria

85% course completion for OSL or attend one complete LVC batch

01

Complete and get one course-end project approved

02

Complete one course-end assessment with 80%

03

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Career Benefits for an Azure Architect

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Career Benefits of an Azure Architect

- Flexible career option with career growth

- Higher salaries and better recognition in the market

- Progressive career development

- Better integration with .NET platform

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Market Trends

The worldwide Cloud Computing market is expected to to grow from USD 371.4 billion in 2020 to USD 832.1 billion by 2025.

Salary of Azure Professionals

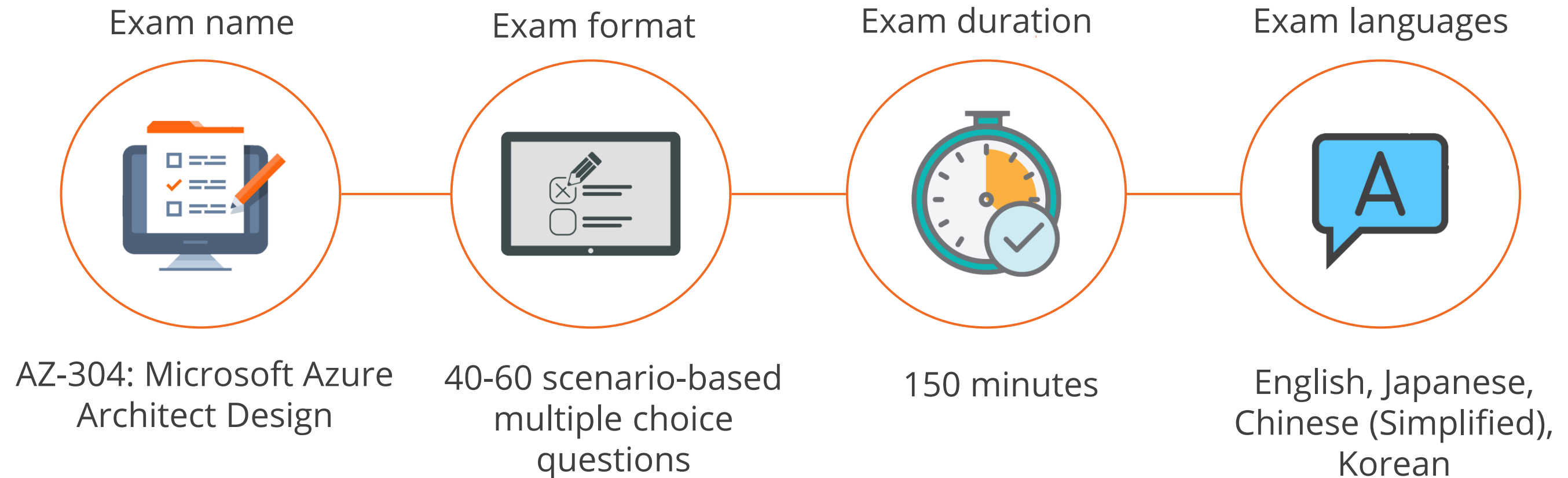The take-home salary is nearly $125,993 for an Azure profile.

Demand for Azure Professionals

25 million jobs are available globally for Azure professionals.

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Exam Format

Official Exam Information

Exam name

AZ-304: Microsoft Azure Architect Design

Exam format

40-60 scenario-based multiple choice questions

Exam duration

150 minutes

Exam languages

English, Japanese, Chinese (Simplified), Korean

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

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Let's get started!