Microsoft Azure (AZ-900)

25 – 29 October 2027
Lyon (France)



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Introduction

The Microsoft Azure AZ-900 certification provides a structured foundation in cloud computing concepts and core Azure services. This program is designed to build a clear understanding of cloud models, service types, security principles, pricing structures, and resource management within the Azure environment. It does not require deep technical expertise, yet it establishes the knowledge base necessary for informed participation in cloud-driven initiatives.

The course is relevant for executives, department managers, IT professionals, project leaders, operations specialists, and decision-makers involved in digital infrastructure planning. It also supports organizations seeking to modernize their technology environments, improve operational efficiency, and strengthen data protection practices.

The practical value of Microsoft Azure AZ-900 lies in enabling participants to understand cloud terminology, evaluate digital transformation strategies, and contribute effectively to cloud adoption decisions within their organizations.

Course Objectives

The Microsoft Azure AZ-900 preparation program enables participants to:

- Understand fundamental cloud computing concepts.
- Identify different cloud service models and deployment types.
- Recognize core Azure services for compute, storage, and networking.
- Understand security, compliance, and data protection principles.
- Analyze pricing models and cost management strategies.
- Explore Azure resource management tools.
- Support digital transformation initiatives with informed insights.
- Apply theoretical knowledge to practical business scenarios.
- Evaluate organizational cloud readiness.
- Prepare systematically for the AZ-900 certification exam.



Course Outlines

Day One: Cloud Computing Foundations

- Definition and characteristics of cloud computing.
- Public, private, and hybrid cloud models.
- Comparison between traditional infrastructure and cloud environments.
- Scalability and elasticity principles.
- Consumption-based pricing concepts.
- Scenario-based model selection exercise.

Day Two: Core Azure Services

- Compute services and virtual machines.
- Storage services and data management options.
- Networking fundamentals in Azure.
- Identity and access management concepts.
- Backup and disaster recovery fundamentals.
- Guided exploration of service categories.

Day Three: Security and Compliance

- Cloud security principles and shared responsibility model.
- Identity protection and access control.
- Data protection mechanisms.
- Compliance standards and governance.
- Monitoring and management tools.
- Case study on securing a cloud environment.

Day Four: Cost Management and Resource Optimization

- Understanding the Azure pricing structure.
- Cost monitoring and budgeting tools.
- Resource optimization strategies.
- Subscription management.
- Usage reporting and analysis.
- Practical budgeting workshop.



Day Five: Comprehensive Review and Exam Preparation

- Structured review of cloud fundamentals.
- Practice questions aligned with AZ-900 exam objectives.
- Case-based discussions.
- Knowledge gap assessment.
- Simulated certification exam.
- Personal development roadmap for advanced certifications.

Why Attend This Course? Wins & Losses!

- Builds a strong foundation in cloud computing.
- Supports informed technology decision-making.
- Enhances understanding of Azure service capabilities.
- Improves cost visibility and optimization.
- Strengthens awareness of cloud security principles.
- Reduces risks associated with digital transformation.
- Enhances professional credibility through certification.
- Provides a pathway toward advanced cloud certifications.

Conclusion

The Microsoft Azure AZ-900 certification serves as a structured entry point into cloud computing and Azure services. The preparation program offers a comprehensive understanding of foundational cloud concepts, security frameworks, pricing structures, and operational management tools.

By studying core service categories, governance principles, and cost management strategies, participants develop the confidence to engage in cloud strategy discussions and support digital transformation initiatives. The combination of conceptual learning and applied practice ensures readiness for certification assessment while strengthening practical awareness.

Investing in Microsoft Azure AZ-900 knowledge extends beyond exam preparation. It establishes a foundational perspective on cloud infrastructure, enhances strategic alignment between technology and business goals, and supports sustainable digital growth in modern organizations.

