



MICROSOFT TRAINING

DP-300: Administering Microsoft Azure SQL Solutions — Practice Questions

Prepare for DP-300 by mastering Azure SQL database administration. Ace the exam and manage secure, high-performance cloud data solutions.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This specialized practice questions course for Microsoft's DP-300 certification, "Administering Microsoft Azure SQL Solutions," is meticulously designed to solidify your understanding and readiness for the official exam. It focuses on the core skills required to administer SQL Server databases, both on-premises and within Azure Data Services, including Azure SQL Database, Azure SQL Managed Instance, and SQL Server on Azure Virtual Machines. Through a comprehensive set of practice questions and scenario-based challenges, you will reinforce your expertise in planning and implementing data platform resources, securing environments, monitoring and optimizing operational performance, optimizing query performance, automating tasks, and implementing high availability and disaster recovery solutions. By engaging with these targeted practice questions, you will not only gain confidence in tackling the DP-300 exam but also deepen your practical knowledge of administering robust and scalable data solutions in the Microsoft Azure ecosystem. This course is an invaluable resource for database professionals seeking to validate their skills and advance their careers in cloud-native data management, ensuring you are well-prepared to design, implement, and manage secure and performant Azure SQL environments.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	DP-300

COURSE CURRICULUM

01 Module 1: Practice Questions on Planning and Implementing Data Platform Resources

- Deploying and configuring Azure SQL Database and Azure SQL Managed Instance
- Configuring SQL Server on Azure Virtual Machines
- Planning for capacity and scalability of data platforms
- Implementing migration strategies for SQL workloads to Azure

02 Module 2: Practice Questions on Implementing a Secure Environment

- Configuring authentication and authorization for Azure SQL resources
- Implementing data encryption (TDE, Always Encrypted, Row-Level Security)
- Managing network security for Azure SQL deployments (Firewalls, VNets, Private Endpoints)
- Implementing auditing and data masking for compliance

03 Module 3: Practice Questions on Monitoring and Optimizing Operational Resources

- Monitoring database activity and performance using Azure Monitor and SQL Insights
- Identifying and resolving performance bottlenecks in Azure SQL
- Configuring and analyzing performance baselines
- Managing resource governance for Azure SQL Database and Managed Instance

04 Module 4: Practice Questions on Optimizing Query Performance

- Analyzing and optimizing query plans in Azure SQL
- Implementing effective indexing strategies
- Troubleshooting performance issues related to specific queries
- Utilizing Query Store for performance monitoring and tuning

Module 5: Practice Questions on Performing Automation of Tasks

- 05**
- Automating database maintenance tasks (backups, index rebuilds, integrity checks)
 - Configuring and managing SQL Agent Jobs (on Azure SQL Managed Instance, SQL Server on VMs)
 - Implementing Azure Automation for SQL workloads (Runbooks, Webhooks)
 - Utilizing PowerShell and Azure CLI for database administration
- 06** **Module 6: Practice Questions on Planning and Implementing High Availability and Disaster Recovery (HADR)**
- Implementing backup and restore strategies for Azure SQL Database and Managed Instance
 - Configuring failover groups and geo-replication for Azure SQL Database
 - Implementing Always On Availability Groups for SQL Server on Azure VMs
 - Planning for business continuity and disaster recovery scenarios for Azure SQL

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Database Administrator**
- > **Cloud Data Engineer (Azure SQL Specialist)**
- > **Database Solutions Architect**

FREQUENTLY ASKED QUESTIONS

Q: How does this "Practice Questions" course specifically prepare me for the official DP-300 certification exam?

This course is engineered to mirror the structure and complexity of the actual DP-300 exam. It provides scenario-based and multiple-choice questions across all official exam objectives, allowing you to identify knowledge gaps, familiarize yourself with question types, and improve your time management under simulated exam conditions. Each question comes with detailed explanations for correct and incorrect answers, reinforcing your understanding of Azure SQL administration concepts.

Q: What foundational knowledge or experience is recommended before enrolling in this DP-300 Practice Questions course?

While this course focuses on practice questions, it assumes you have a foundational understanding of SQL Server administration concepts and basic familiarity with Azure services. Prior experience with T-SQL, database security, performance tuning, and database backup/restore operations is highly beneficial. It's recommended to have either completed a DP-300 preparatory course or possess equivalent hands-on experience with Azure SQL solutions before diving into these practice questions.

Q: Beyond passing the exam, how will mastering the concepts covered in these DP-300 practice questions enhance my real-world job performance as an Azure database professional?

The practice questions are designed to cover critical, real-world administration scenarios for Azure SQL Database, Azure SQL Managed Instance, and SQL Server on Azure VMs. By working through these, you'll gain deeper insights into best practices for security, performance optimization, high availability, and automation within Azure. This practical understanding will enable you to confidently troubleshoot issues, implement robust solutions, and make informed architectural decisions, ultimately making you a more effective and sought-after Azure database administrator.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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