

SQL AZURE

Complete Practical & Real-time Training



A Unit of SequelGate Innovative Technologies Pvt. Ltd.

→ ISO Certified Training Institute

→ Microsoft Certified Partner

Training Highlights

- ✓ 24x7 LIVE Server Access
- ✓ Interview Preparation and Guidance
- ✓ Session wise Material and Practice Labs
- ✓ Complete Practical and Real-time Scenarios
- ✓ Session wise Notes & Certification Material
- ✓ Resume Preparation & Placements Assistance
- ✓ Mock Interview and Course Completion Certificate

About Trainer:

Mr. Sai Phanindra Tholeti is a Database Consultant working for his own company - *SequelGate Innovative Technologies Pvt. Ltd.* With more than 11 years of expertise and passion for SQL Server, Administration (SQL DBA) and Business Intelligence (MSBI) - Mr. Sai provides Data Hosting, Business Consulting to Corporate Clients. All his training sessions are completely **practical, real-time** and highly **interactive**. Complete profile at <http://www.linkedin.com/in/saiphanindra>

Pre-requisites for this SQL Azure Course:

This is a starter course, no pre-requisites required.

All Training Sessions are Completely Practical & Real-time

Chapter 1: Design a hybrid SQL Server solution

- Design a Disaster Recovery topology for a hybrid deployment, design a data storage architecture, design a security architecture, design a data load strategy, design a data synchronization strategy
- Implement SQL Server on Azure Virtual Machines (VMs)
- Provision SQL Server on an Azure VM, configure firewall rules, configure and optimize storage, migrate an on-premises database to Microsoft Azure, configure and optimize VM sizes by workload

Chapter 2: Design a hybrid SQL Server solution

- Design a database solution on Azure SQL database and SQL Server in Azure
- Design a solution architecture, design a Geo/DR topology, design a security architecture, design a data load strategy, determine the appropriate service tier, determine the appropriate deployment scenario, determine IaaS vs PaaS, determine application access in Azure

Chapter 3: Implement Azure SQL Database

- Provision Azure SQL Database, configure firewall rules, configure Active Geo-Replication, migrate an on-premises database to SQL Database, configure for scale and performance
- Design and implement MySQL and PostgreSQL database solutions in Azure
- Design security, design a data load strategy, determine the appropriate service tier, provision databases and servers, configure firewall rules, migrate to Azure, configure for scale and performance

Chapter 4: Design and implement SQL Server Database security

- Configure firewalls; manage logins, users, and roles; assign permissions; configure auditing; configure Transparent Database Encryption (TDE); configure row-level security; configure data encryption; configure data masking; configure Always Encrypted
- Design and implement Azure SQL Database security
- Configure firewalls; manage logins, users, and roles; assign permissions; configure auditing; configure row-level security; configure data encryption; configure data masking; configure Always Encrypted, configure Automatic Threat Detection

Chapter 5: Design and implement High Availability Solutions

- Design a high-availability solution topology, design a high-availability solution for SQL on Azure VMs, implement high-availability solutions
- Design and implement scalable solutions
- Design a scale-out solution, implement multi-master scenarios with database replication, implement elastic scale for Azure SQL Database
- Design and implement Azure SQL Database data recovery
- Implement self-service restore, copy and export databases, implement long-term retention backups

Chapter 6: Monitor and troubleshoot SQL Server VMs on Azure

- Monitor database and instance activity, monitor by using DMVs and DMFs, monitor performance and scalability
- Monitor and troubleshoot SQL Database
- Monitor and troubleshoot SQL Database, monitor database activity, monitor by using DMVs and DMFs, monitor performance and scalability
- Automate and manage database implementations on Azure
- Automate and manage SQL Server on Azure VMs, automate and manage Azure SQL Database, configure automation and runbooks

Chapter 7: Real-time Project Database and Remote Cloud Access

Chapter 8: Interview FAQs and Certification Guidance for Microsoft Exam: 70-473

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