ITS

Administering Relational Database on Microsoft Azure Course 28 Hrs

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Azure Cloud & Azure Data Platform
- The Role of the Database Administrator
- Azure Data Platform Roles
- Azure Database Platforms and Options
- SQL Server Compatibility Level
- Azure Preview Features

Plan and Implement Data Platform Resources
- Deploying SQL Server in an Azure VM
- Deploying a Platform as a Service Solution
- Deploying Open Source Databases to Azure MySQL, PostgreSQL, MariaDB

Implement a Secure Environment
- Configure Database Authentication
- Configure Database Authorization
- Implement Security for Data at Rest
- Implement Security for Data in Transit
- Implement Compliance Controls for Sensitive Data

Monitor and Optimize Operational Resources
- Baselines and Performance Monitoring
- Major Causes of Performance Issues
- Configuring Resources for Optimal Performance
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Optimize Query Performance
- Reviewing Query Execution Plans
- Design Considerations for Database Performance
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Automation of Tasks
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- Defining Scheduled Tasks with the SQL Server Agent
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- Automating Azure tasks

Plan and Implement a High Availability and Disaster Recovery Environment
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