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# AZURE DATABASE ADMINISTRATOR ASSOCIATE



Access to Interview Opportunities with Top Companies



Industry-Relevant Curriculum Designed and Taught by Industry Experts



Hands on Project and Industry Specific Tools



Dedicated CareerSupport and Interview Preparation



Post Graduate Certificatefrom Great Lakes Executive Learning



In the rapidly evolving landscape of the IT industry, choosing to undertake an Azure course holds numerous advantages for professionals and organizations alike. As one of the foremost cloud service providers globally, Azure has gained widespread recognition and is a preferred choice for businesses seeking robust cloud solutions. The integration of Azure with Microsoft technologies enhances its appeal, especially in environments heavily reliant on Windows Server, Active Directory, and .NET. A key strength of Azure lies in its diverse range of services, spanning computing, networking, databases, analytics, machine learning, and more. Professionals embarking on Azure training can build a versatile skill set applicable to a wide array of IT scenarios. Notably, Azure's strong focus on hybrid cloud solutions caters to organizations operating both on-premises and in the cloud, providing flexibility and scalability. In conclusion, opting for an Azure course presents an opportunity to acquire skills aligned with a leading cloud platform, empowering professionals to navigate the dynamic IT landscape with confidence and contributing to organizational success in an increasingly digital world.





The Program helps you do grow and bloom in Industry and developed by best-in-class industry experts. It offers a blend of online learning with live and recorded lectures along with access to dedicated career support and rewarding job opportunities.

grow your professional network.

#### DEDICATED PROGRAM SUPPORT

Access dedicated support on your learning journey and resolve for all your queries with help from a dedicated Program Manager.

#### LEARN ONLINE ANYTIME, ANYWHERE

Learn from live masterclasses by top industry leaders and online lab sessions every week, along with 100+ hours of learning content.

#### WEEKLY ONLINE MENTORSHIP FROM EXPERTS

Get assistance on projects and reinforce the concepts you learn through weekly mentorship sessions.

#### NETWORK WITH LIKE-MINDED PEERS

Interact with peers from diverse backgrounds and



A fresh graduate or a working professional looking to up-skill and build a career.



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# LEARNING PLAN

## AZURE DATABASE ADMINISTRATOR ASSOCIATE

### 1. Plan and Implement Data Platform Resources

1.1 Evaluate and recommend Azure data services based on requirements.

1.2 Configure firewall rules for Azure SQL resources.

1.3 Configure authentication in Azure SQL.

1.4 Configure secure endpoints for Azure SQL.

1.5 Manage Azure Key Vault.

### 2. Implement a Secure Environment

2.1 Configure database authentication by using platform and database tools.

2.2 Configure database authorization by using platform and database tools.

2.3 Implement Azure AD-based security.

2.4 Configure security for data at rest.

2.5 Configure security for data in transit.

## **3. Monitor and Optimize Operational Resources**

3.1 Monitor and troubleshoot SQL Server

performance.

3.2 Monitor and troubleshoot Azure SQL Database

performance.

3.3 Monitor and troubleshoot Managed Instance

performance.

3.4 Optimize query performance.

3.5 Automate tasks with PowerShell for Azure SQL.

## **4. Optimize Query Performance**

4.1 Review query plans.

4.2 Evaluate indexes.

4.3 Evaluate and implement locking and blocking.

4.4 Monitor and trace queries.

4.5 Collect performance data.

## **5. Plan and Implement High Availability and Disaster Recovery**

5.1 Implement high availability solutions.

5.2 Implement Azure SQL Database automated backups.

5.3 Implement database replication.

5.4 Implement Always On availability groups.

5.5 Implement Auto-failover groups.

5.6 Implement Azure Site Recovery.

## **6. Plan and Implement a Backup and Restore Strategy**

6.1 Perform backup and restore operations.

6.2 Perform online and offline database restores.

6.3 Create a long-term backup retention policy.

6.4 Configure Azure Backup.

## **7. Manage and Monitor Databases**

7.1 Manage database statistics.

7.2 Monitor the performance of queries.

7.3 Monitor and troubleshoot SQL Server.

7.4 Monitor and troubleshoot Azure SQL Database.

7.5 Monitor and troubleshoot Managed Instance.



## READY TO ADVANCE YOUR CAREER?

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