

Microsoft Certified: Azure Database Administrator Associate (DP-300)

This intermediate Azure Database Administrator Associate training prepares database administrators to take the DP-300 exam, which is the one exam required to earn the Microsoft Certified: Azure Database Administrator Associate certification. While some of the components of maintaining databases and connections in the cloud might be familiar—such as SQL fundamentals, implementing data platform resources, and T-SQL—knowing how to combine them all sets a database administrator apart.

[CBT Nuggets course material](#) →

WEEK 1

Deploy SQL Resources Using Manual Methods 172 min.

Deploy Azure SQL Resources Manually	1
Azure SQL IaaS Deployment	19
Single Azure SQL Database Deployments	12
Elastic Pool Deployments	8
Azure SQL Managed Instance Deployments	22
Summarizing Azure SQL Manual Deployments	1

Evaluate SQL Database Deployment Options in Azure

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vCore and DTU Pricing Models	16
vCore Service Tiers	10
vCore Compute Tiers	7
PaaS Backups and HADR	8
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Configure Azure SQL for Scale and Performance

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Configure Azure SQL DBs for Scale	7
Configure Azure SQL Managed Instances for Scale	7
Automate Azure SQL Database Scaling	22

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165 min.

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Understand Read Scale-Out	7

Migrate SQL Server Databases to Azure

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Understanding Your Options	17
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Migrate to an Azure SQL VM - Online	9
Migrate to an Azure SQL Database - Offline	22
Migrate to an Azure SQL Database - Online	16

Configure SQL Server and Azure SQL Authentication

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Understand SQL Security Architecture	11
Create SQL Logins	15

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156 min.

Create SQL Database Users (and More!)	13
Implement Azure SQL Authentication Using Azure AD	12

Configure SQL Server Authorization

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Fixed Server Roles Explored	11
Deploying Custom Server Roles	9

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Custom Database Roles Explored	9
Configuring Object Access	10

Encrypt SQL Data at Rest

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Object-Level Encryption	12
Dynamic Data Masking	10
Transparent Data Encryption	9

Deploy SQL Always Encrypted in Local and Azure Environments

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Implement Always Encrypted On-Premises	12

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163 min.

Register Your App in Azure	6
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Implement Compliance Controls for Sensitive Data

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Data Discovery and Classification	9
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Deploy with Transparent Data Encryption	14
Enable TDE After Deployment	11
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Monitor SQL Server Activity and Performance

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Creating a Baseline with Perfmon	14

WEEK 5

160 min.

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Monitoring CPU Load	4
Monitoring Memory Load	5
SSMS Performance Dashboard and Reports	9
Tracing with Extended Events	13

Implement Performance-Related Database Maintenance Tasks

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Identify and Troubleshoot Database Performance Issues

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Review Query Store Reports	14
Identify Blocking Sessions	11
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Implementing Index Maintenance Tasks

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WEEK 6

157 min.

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Finding Missing Indexes	9
Removing Underutilized Indexes	8

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Automate SQL Workflows Using Azure Logic Apps

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Create the SQL Workflow 9

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Automate Management and Deployment of Azure SQL Resources

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WEEK 7

Configure SQL Server Failover Groups

151 min.

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How Failover Clusters Work 10

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Create the Failover Cluster 9

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WEEK 8

151 min.

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WEEK 9

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