

Microsoft MCSE: Data Management and Analytics

This expert MCSE: Data Management and Analytics training covers how to design, develop, query and manage SQL databases, deploy SQL in Azure, configure SQL servers, and perform database maintenance. This data analytics training is ideal for experienced database professionals aiming to advance in data management and analytics.

[CBT Nuggets course material](#) →

WEEK 1

Microsoft SQL Server 2012: Designing Database Solutions (70-465) 158 min.

Supplemental File	1
Introduction to 70-465: Designing Database Solutions for Microsoft SQL Server 2012	8
Designing a Database Server Infrastructure	18
Planning for Consolidation	20
Designing SQL Server Instances	20
Logical Database Design	34
Physical Database Design	31
Designing Backup & Recovery	26

WEEK 2

156 min.

Designing Tables	21
Designing BLOB Storage and Full-Text Search	30
Designing Views and Stored Procedures	26
Designing Concurrency & Transactions	26
Designing Multi-Server Automation	16
Designing Instance Security	17
Designing Database Security	20

WEEK 3

156 min.

Designing Policy-based Management	17
Designing a Maintenance Strategy	19
Designing for High Availability	26
Designing for Replication	24
Monitoring Server Health	14

Tuning Query Performance 12

Microsoft SQL Server 2014: Designing Database Solutions (70-465)

Overview 1

Introduction to SQL Server 2014 70-465: Azure Updates 7

Introduction to Cloud Solutions and Microsoft Azure 15

Microsoft Azure and SQL Server: IaaS 20

WEEK 4

167 min.

Microsoft Azure and SQL Server: PaaS 18

Microsoft Azure and SQL Server: STaaS 20

Microsoft MCSA SQL Server 2016 (70-762)

Overview 1

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Introducing SQL Server 2016 6

SQL Server 2016 Certifications 7

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Getting Started with 70-762 13

Designing Tables 8

Normalizing Tables 9

Implementing Tables 22

Designing Indexes 7

Implementing Indexes 22

Designing Views 6

Implementing Views 21

WEEK 5

165 min.

Designing Constraints 6

Implementing Constraints 27

Designing Columnstore Indexes 4

Implementing Columnstore Indexes 19

Designing Stored Procedures 7

Implementing Stored Procedures 26

Designing Triggers 7

Implementing Triggers 24

Designing User-Defined Functions 7

Implementing User-Defined Functions 19

Implementing Transactions 19

WEEK 6

155 min.

Managing Isolation Levels 18

Resource Locks 8

Optimizing Concurrency 18

Implementing Memory-Optimized Tables 14

Implementing Natively Compiled Stored Procedures 18

Optimizing Statistics and Indexes 21

Analyze and Troubleshoot Query Plans 21

Managing SQL Server Performance 19

Monitoring SQL Server Performance 18

WEEK 7

12 min.

Azure SQL Database 8

Good Luck!

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