

Microsoft SQL Data Warehouse Implementation (70-767)

This MCSA: Business Intelligence training covers data cleansing, ETL, and warehouse implementation with SQL 2016. Learn to implement business intelligence solutions with multidimensional data models, OLAP cubes, and tabular data models. You'll also work with SQL Server Analysis Services (SSAS) and query with MDX and DAX. This SQL skills course prepares you for the 70-768 exam.

[CBT Nuggets course material](#) →

WEEK 1

Microsoft SQL: Designing a Data Warehouse

155 min.

Introducing Data Warehousing	6
Selecting a Storage Subsystem	7
Redundant Array of Independent Disks (RAID) Levels	6
Installing and Configuring SQL Server with SSIS	20
Fact and Dimension Tables	10
Star and Snowflake Schemas	11
Designing Dimension Tables	5
Dimension Table Details	10
Slowly Changing Dimensions (SCD)	5
Designing Fact Tables	9
Introducing SQL Indexes	3
Clustered vs Non-Clustered Indexes	16
Rowstore vs. Columnstore Indexes	13
Introducing Data Partitioning	3
Partition Ranges	4
Implementing Partition Functions and Schemes	13
Implementing a Sliding Partition Window	14

WEEK 2

160 min.

Scale Out Solutions	8
Microsoft SQL: SSIS	
Overview	1
Introducing SSIS	12
Introducing Flows	13
Connection Manager	12

Precedence and Expression Constraints	10
SSIS in Action	11
File Tasks	12
Web Service Tasks	11
Variables	14
Transactions	10
Checkpoints	9
Profiling the Source Data	11
Parallelism	11
Basic Transformations	14

WEEK 3

161 min.

Pivot	10
Aggregations	12
Fuzzy Data Transformations	13
Slowly Changing Dimension (SCD) Data Flows	17
SSIS Merge and Lookups	16
Incremental Loading with T-SQL MERGE	16
Enabling Change Data Capture (CDC)	12
Implementing CDC	14
Debugging and Troubleshooting	10
Securing SSIS Packages	10
Deploying a Package to SSIS	5

Microsoft SQL: Data Quality

Overview	1
Installing Data Quality Services (DQS)	11
Data Quality Knowledge Base (DQKB), Domains, and Attributes	13

WEEK 4

81 min.

DQS Data cleaning	9
DQS Data Flow Tasks in SSIS	10
Handling Duplicates in DQS	12
Installing Master Data Services (MDS)	15
Managing Master Data	13
System Administration, MDS Hierarchies, and Business Rules	12
Importing and Exposing Data in MDS	8
Preparing for the 70-767 Exam	1