

Comparison tables testing the efficiency of **Access Upsizing Wizard 2007**, **SQL Server Migration Assistant 2008** with **MUST**.

Below are two tables comparing certain features that we have decided are essential in order to achieve the most efficient migration. The first table includes features that are focused mainly on the way that these four tools handle data in the upsizing process. The second table focuses on queries, how each tool compares on translating the queries from Access to SQL Server and also contains a percentage of successful conversion of queries. Zoom in (**Ctrl+Scroll**) to view these comparisons.

Data				
Feature	Access Upsizing Wizard 2007	SQL Server Migration Assistant 2008 for Access V4.0	MUST	MUST+SQL
Supports SQL Server 2000	✓		✓	✓
Supports SQL Server 2005/Express	✓	✓	✓	✓
Supports SQL Server 2008/Express		✓	✓	✓
Migrates multiple databases		✓	✓	✓
Handles field names with spaces or difficult characters		✓	✓	✓
Adds TIMESTAMP columns	✓	✓	✓	✓
Normalises attachment data, extract/upload attachment data			✓	✓
Normalises multivalued data into new tables			✓	✓
Avoids illegal indexing on memo fields and hyperlinks		✓	✓	✓
Converts field validation	Limited Support	Limited Support	✓	✓
Converts table validation	Limited Support	Limited Support	✓	✓
Removes duplicate indexes			✓	✓
Fixes bad date data when mapping to DATETIME		✓	✓	✓
Adds BOOLEAN field defaults when required	✓	✓	✓	✓
Removes duplicate primary keys indexes	✓	✓	✓	✓
Fixes bad data with null in required field			✓	✓
Supports Migration of tables to multiple Schemas			✓	✓
Supports new SQL 2008 DATE data type			✓	✓
Adds auditing fields if required			✓	✓
Provides reverse engineering			✓	✓
Option to generate auditing databases			✓	✓
Handles Unique Index Ignore Null Indexes			✓	✓
Option to block zero-length field checking			✓	✓
Builds database roles and schema security			✓	✓
Converts replicated databases, removing replication fields			✓	✓
Generates TSQL Migration Scripts			✓	✓
Empty/Re-Migrate Commissioning Of Data			✓	✓
Adds missing foreign key indexing			✓	✓
Mechanism to removes inefficient indexes			✓	✓
Warns of cycles in relationships			✓	✓
Fixes relationships on differing field sizes			✓	✓
Adds missing primary keys to tables			✓	✓
Replaces tables with linked tables in linked front-end applications				✓
Supports autonumber with Random settings			✓	✓
Handles random autonumber functions			✓	✓
Uses block transfer mode to assist in identifying corruptions in data			✓	✓

Queries				
Feature	Access Upsizing Wizard 2007	SQL Server Migration Assistant 2008 for Access V4.0	MUST	MUST+SQL
Translates to Views		✓		✓
Handles missing tables in SQL Translation		✓		✓
Translates Append, Insert, Update, MakeTable Queries				✓
Translates Crosstab Queries to PIVOT				✓
Translates to Stored Procedures				✓
Translates SQL into schemas				✓
Identifies and creates TSQL stub functions for custom VBA functions				✓
Translates Access functions into SQL Functions				✓
Generates support library for complex Access functions				✓
Translates SQL standard calculated fields based on calculated fields				✓
Calculates blocks of depended queries to be translated				✓
Translates DOMAIN functions into sub-queries				✓
Replaces existing Queries with Linked Views and Stored Procedure Calls				✓
Benchmark example on independently developed database containing 109 queries, these are not untypical results		20% Conversion		89% Conversion

If you would like to test these features for yourself simply download our test database,

<http://www.upsizing.co.uk/downloads/testdatabase.zip>