



CU2 Global Pty Ltd
The Global Data Conversion Experts

2SQL® - Automating Access to SQL Conversion

Fast, reliable data and software modernization

“CU2 Global’s proven 2SQL® Automated Microsoft Access to SQL Server conversion and migration software offers a cost-effective, rapid pathway for all Microsoft Access Applications to become SQL Server compliant, either on premise or in the cloud.”

How is your organization placed?

Is your organization under pressure to upgrade to a more modern, flexible software environment?

Your research tells you it’s essential to migrate to the powerful Microsoft SQL Server platform, but you have stockpiled a large number of applications in the legacy Microsoft Access platform.

You now face the labour-intensive process of identifying applications that are important enough to be upgraded, attempting to use various tools, and inevitably conducting a manual conversion process.

Now you can use 2SQL® to automate the move from Access to SQL Server, at a fraction of the time and cost of undertaking conversion projects manually.

The Growing Need for Software and Data Modernization

Microsoft Access is the world’s most popular, flexible database development platform, but it has a number of well-known limitations.

- Data that resides in older versions of Microsoft Access do not comply with the increasing number of third party, regulatory, or internal IT data compliance policies.
- Data that resides in Microsoft Access is not supported in Microsoft’s Azure Cloud solutions.
- IT managers and Microsoft itself acknowledge that older versions of Access impose considerable risks in corporate environments where data security and integrity, scalability, data collaboration and performance are critical.

To overcome these limitations, Microsoft has made a strategic move to base Microsoft Access 2013 on the powerful SQL Server platform.

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Why are organizations migrating to SQL Server?

The table below outlines the benefits of converting and migrating from MS Access to SQL Server.

<u>Limitations of MS Access</u>	<u>Benefits of SQL Server</u>
Pre-2013 versions of Access use decentralised desktop technology.	SQL Server ensures that mission-critical data can be securely controlled in a centralised location, professionally managed by the IT Department.
MS Access applications outgrow both file size limits and numbers of concurrent users.	SQL Server has almost unlimited scalability
Applications created in pre-2013 versions of MS Access are severely compromised in terms of robustness and performance.	SQL Server offers a quantum leap in application and network performance over non-SQL Server versions of Access.
Older versions of Access cannot be integrated with Business Intelligence tools.	The centralised SQL Server platform is designed for enterprise-wide data collaboration across large numbers of concurrent users, opening the door to a wealth of Business Intelligence and Reporting Tools.

For detailed information about the features and benefits of SQL Server please refer to the White Paper entitled "ConvertU2 White Paper - Converting Access to SQL Server".

2SQL[®] Automation delivers Profound Value!



Microsoft Access uses client-side processing and SQL Server requires server-side processing. Unlike the Microsoft Access Upsizing Wizard and SSMA tools, the 2SQL[®] technology manages both sides of the conversion equation, making it the only true two-tier client/server technology on the market.

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The table below outlines the benefits of using the 2SQL[®] Automated Process versus Manual Conversion.

<u>Benefits</u>	<u>How it Works</u>
Reduced time and expense of migration	By achieving at least 95% conversion completion, the 2SQL [®] automated solution can shorten project timelines and cost by a minimum of 80% and 60% respectively over manual conversion programs.
Reduced need for tactical expertise and resources	The 2SQL [®] automated electronic identification and rectification of literally thousands of conversion issues eliminates human error and removes the huge challenge of finding and documenting issues for manual conversion.
No need for user retraining	No re-training is required post-conversion. The Access User Interface remains while the processing logic is moved to SQL Server.
No re-engineering required	2SQL [®] removes the need to re-engineer unwieldy, inefficient Access applications.

2SQL[®] uses a proprietary methodology for converting and migrating Microsoft Access Applications to SQL Server. All facets of this methodology are comprehensively discussed in our suite of technical documents.

Important 2SQL[®] Features

- 2SQL[®] efficiently automates the migration of Access databases from versions as early as 2.0, to target Access environments of 2007, 2010 or 2013, and SQL Server versions 2008R2 and 2012.
- 2SQL[®] is a Microsoft.NET application with a very simple, intuitive user interface. Other than Microsoft Access and SQL Server, it does not depend on any other application to operate.
- 2SQL[®] is completely self-auditing. It produces Audit and Alert logs reporting on all conversion issues automatically rectified by 2SQL[®] together with a list of issues that still require manual services as part of the small “clean-up” process.
- 2SQL[®] has a built-in Conversion Estimation Module that allows users to evaluate the 2SQL[®] Value Proposition compared to manually performing the tasks of a conversion project.

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The 2SQL® Program Suite

MSO Inspector

MSO Inspector audits your Microsoft Access and Microsoft Excel population. The Inspector detects, opens and scans every Microsoft Access database and Microsoft Excel file across an organization's network drives and logs key statistical information for subsequent analysis and action.

Detective

Detective is the Access database conversion task estimator. The Detective delivers a full scan of each selected Microsoft Access application in 'passive', non-conversion mode, generating a detailed list of every conversion issue and their occurrences. The user can cost a manual conversion project by keying in their own time and cost factors, which can subsequently be compared with the 2SQL® automated process.

Genie

Genie efficiently automates the conversion of all issues reported by the Detective, reducing timelines from hours to minutes and weeks to days, compared to performing the conversion project manually. The Genie requires a paid software license provisioned with a customized activation key.

For more about the 2SQL® program suite, please refer to the document "2SQL® Functionality Overview".

The Business Case for 2SQL®

The MSO Inspector and Detective provide you with the analysis and business case information for automating your data and software conversion programs versus manual conversion or redevelopment.

CU2 Global offers pricing levels graded into one of four categories of complexity. A list price is quoted based on the number of applications to be converted which fall into each of the groups below:

- **Low conversion complexity**
- **Medium conversion complexity**
- **High conversion complexity**
- **Very High conversion complexity**

Third party finance is available for approved purchasers and **Site Licences** can be negotiated.

"Clean-up" costs comprise the relatively small amount of minor conversion work left post-automated **conversion**, to address issues such as some administrative functions or the conversion issues not handled by the 2SQL® software. As a guide, 2SQL® typically converts between 95% and 100% of conversion issues depending on the complexity of the Microsoft Access Application being converted.

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