



GENESIS32 – Choosing SQL Express 2005 or MSDE 2000

APPLICATIONS NOTE

December 2007

Description: Introduction to new Microsoft SQL Express 2005 – the latest free logging database and successor to MSDE 2000.

OS Requirement: Win 2000 Pro/Server, XP Pro, Server 2003

General Requirement: General database knowledge

Introduction

SQL 2005 and SQL Express 2005 are the newest versions of SQL Server and MSDE, respectively. ICONICS GENESIS32 version 9 is fully compatible with both of these versions just as it has been with SQL 2000 and MSDE 2000 in prior versions. The content of this document is simply to compare the freely distributed versions, MSDE 2000 and SQL Express 2005.

Below is a link to the feature comparison of SQL Express 2005 versus the other versions of SQL 2005:
<http://www.microsoft.com/sql/prodinfo/features/compare-features.mspx>

GENESIS32 v8 SP1 and Prior Releases

GENESIS32 v8 SP1 release and those releases prior to it have not been officially tested with SQL 2005 or SQL Express 2005. ICONICS does not support the use of any of our Configurator databases being stored on SQL 2005 or SQL Express 2005 in those previous versions.

In v8 SP1 and releases prior, ICONICS will support the products that connect to databases for data mining and reporting such as the DB OPC Server, ReportWorX, and BridgeWorX when customers want to connect to SQL2005 and SQL Express.

Please refer to the following Application Note if you would like more information on choosing a version of SQL Server:
BizViz - Choosing the Correct Edition of MS SQL Server.

Table 1 shows the major differences between MSDE 2000 and SQL Express 2005. For more information on how these two products differ, please refer to the Microsoft documentations listed above.

Table 1 - Major Differences between MSDE 2000 and SQL Express 2005

	SQL Server Express 2005	MSDE 2000
GUI Tools	Available	None
Database size limit	4 GB	2 GB
Throttle	None	Enforced 5 concurrent workloads
Max # of Processors	1 CPU	2 CPU
Max RAM	1 GB	2 GB
SQL Agent	No	Yes
Integration with Visual Studio	Deep integration	Basic integration
Operating Systems	Windows 2000 SP4, Windows XP SP1, and Windows 2003	Windows 98, Windows ME, Windows XP, Windows NT4, and Windows 2003
CLR Support	Yes	No
User Instance	Yes	No
DTS runtime	Yes, available in separate download	Yes
MDAC Requirement	None, which means easier deployment	Yes
Installation	MSI only – easy to service	MSI and MSM – MSM is hard to service
Replication	Subscriber Replication for Transaction, Merge, and Snapshot	Merge/Snapshots publication supported in addition to replication subscription