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SQL Server 2005 Books Online (September 2007)

Deprecated Database Engine Features in SQL Server 2005

Updated: **1 February 2007**

Deprecated features include features that will not be supported in the next version of SQL Server and features that will not be supported in a future version of SQL Server.

⊟ Features Not Supported in the Next Version of SQL Server

These Database Engine features will not be supported in the next version of SQL Server. We recommend that, as time allows, you replace these features with the replacement item if possible.

Category	Deprecated feature	Replacement
Backup and restore	DUMP statement	BACKUP
Backup and restore	LOAD statement	RESTORE
Backup and restore	BACKUP LOG WITH NO_LOG	None. The transaction log is automatically truncated when the database is using the simple recovery mo... you need to remove the log backup chain from a database, switch to the simple recovery model.
Backup and restore	BACKUP LOG WITH TRUNCATE_ONLY	None. The transaction log is automatically truncated when the database is using the simple recovery mo... you need to remove the log backup chain from a database, switch to the simple recovery model.
Backup and restore	BACKUP TRANSACTION	BACKUP LOG
Backup and restore	BACKUP { DATABASE | LOG } WITH PASSWORD	None.
Backup and restore	BACKUP { DATABASE | LOG } WITH MEDIAPASSWORD	None.
Backup and Restore	RESTORE { DATABASE | LOG } … WITH DBO_ONLY	RESTORE { DATABASE | LOG } … … WITH RESTRICTED_USER
Backup and restore	RESTORE { DATABASE | LOG } WITH PASSWORD	None.
Backup and restore	RESTORE { DATABASE | LOG } WITH MEDIAPASSWORD	None.
Compatibility levels	60 and 65 compatibility levels	None.
Compatibility levels	70 compatibility level	None.
DBCC	DBCC CONCURRENCYVIOLATION	None.
Extended stored procedure programming	**srv_getuserdata** **srv_setuserdata**	Use CLR Integration instead.
Full-text search	**sp_fulltext_service** action values **clean_up**, **connect_timeout**, and **data_timeout** return zero.	None.
Instance options	SET REMOTE_PROC_TRANSACTIONS **sp_configure** '*remote proc trans*'	Use linked servers and distributed queries. **sp_addlinkedserver**
Remote servers	Use of remote servers **sp_addserver** to create remote servers	Use linked servers. **sp_addlinkedserver** to create linked servers
Security	**sp_addalias** **sp_dropalias** **sp_addgroup** **sp_changegroup** **sp_dropgroup** **sp_helpgroup**	Superseded by roles
Security	**SETUSER**	EXECUTE AS
System tables	**syssegments**	None.

⊟ Features Not Supported in a Future Version of SQL Server

These Database Engine features are supported in the next version of SQL Server, but will be removed in a later version. The specific version of SQL Server has not been determined.

Category	Deprecated feature	Replacement
Backup and restore	**sp_helpdevice**	**sys.backup_devices**
Collations	Hindi Lithuanian_Classic SQL_AltDiction_CP1253_CS_AS	None. These collations exist in Microsoft SQL Server 2005, but are not visible through **fn_helpcollations**.
Compatibility level	80 compatibility level	None. For more information about compatibility levels, see sp_dbcmptlevel (Transact-SQL) [http://msdn.microsoft.com/en-/library/ms178653(printer).aspx] .
Data types	**sp_addtype**	CREATE TYPE
Data types	**timestamp** syntax for **rowversion** data type	**rowversion** data type syntax.
Database management	**sp_attach_db** **sp_attach_single_file_db**	CREATE DATABASE statement with the FOR ATTACH option; to rebuild multiple log files, when one or more have a ne... location, use the FOR ATTACH_REBUILD_LOG option.

Database objects	CREATE DEFAULT DROP DEFAULT **sp_bindefault** **sp_unbindefault**	DEFAULT keyword in CREATE/ALTER TABLE.
Database objects	CREATE RULE DROP RULE **sp_bindrule** **sp_unbindrule**	CHECK keyword in CREATE/ALTER TABLE.
Database objects	**sp_renamedb**	MODIFY NAME in ALTER DATABASE.
Database objects	Ability to return result sets from triggers	None.
Database options	**'concat null yields null'** of **sp_dboption**	None.
Database options	**sp_dboption** **sp_resetstatus**	ALTER DATABASE SET { ONLINE | EMERGENCY }
Database options	TORN_PAGE_DETECTION option of ALTER DATABASE	PAGE_VERIFY TORN_PAGE DETECTION option of ALTER DATABASE
DBCC	DBCC DBREINDEX	REBUILD option of ALTER INDEX.
DBCC	DBCC INDEXDEFRAG	REORGANIZE option of ALTER INDEX
DBCC	DBCC SHOWCONTIG	**sys.dm_db_index_physical_stats**
Extended properties	Level0type = 'type' and Level0type = 'USER' to add extended properties to level-1 or level-2 type objects.	Use **Level0type** = 'USER' only to add an extended property directly to a user or role. Use **Level0type** = 'SCHEMA' to add an extended property to level-1 types like TABLE or VIEW, or level-2 types like C or TRIGGER. For more information, see sp_addextendedproperty (Transact-SQL) [http://msdn.microsoft.com/en-us/l /ms180047(printer).aspx] .
Extended stored procedure programming	**srv_alloc** **srv_convert** **srv_describe** **srv_getbindtoken** **srv_got_attention** **srv_message_handler** **srv_paramdata** **srv_paraminfo** **srv_paramlen** **srv_parammaxlen** **srv_paramname** **srv_paramnumber** **srv_paramset** **srv_paramsetoutput** **srv_paramtype** **srv_pfield** **srv_pfieldex** **srv_rpcdb** **srv_rpcname** **srv_rpcnumber** **srv_rpcoptions** **srv_rpcowner** **srv_rpcparams** **srv_senddone** **srv_sendmsg** **srv_sendrow** **srv_setcoldata** **srv_setcollen** **srv_setutype** **srv_willconvert** **srv_wsendmsg**	Use CLR Integration instead.
Extended stored procedure programming	**sp_addextendedproc** **sp_dropextendedproc** **sp_helpextendedproc**	Use CLR Integration instead.
Extended stored procedures	**xp_LoginConfig**	**IsIntegratedSecurityOnly** argument of SERVERPROPERTY
Full-text search	**sp_fulltext_catalog**	CREATE/ALTER/DROP FULLTEXT CATALOG

Full-text search	**sp_fulltext_table** **sp_fulltext_column** **sp_fulltext_database**	CREATE/ALTER/DROP FULLTEXT INDEX ALTER FULLTEXT INDEX
Full-text search	**sp_help_fulltext_tables**[_cursor] **sp_help_fulltext_columns**[_cursor] **sp_help_fulltext_catalogs**[_cursor]	**sys.fulltext_indexes** **sys.fulltext_index_columns** **sys.fulltext_catalogs**
Functions	**fn_get_sql**	**sys.dm_exec_sql_text**
Index options	**sp_indexoption** **fillfactor** = **0**	ALTER INDEX **fillfactor** = **100**
Index options	CREATE INDEX *<index_option>*::= syntax	CREATE INDEX *<relational_index_option>*::= syntax
Instance options	Default setting of **disallow results from triggers** option = 0	Default setting of **disallow results from triggers** option = 1
Locking	**sp_lock**	**sys.syslock_information**
Locking	**syslockinfo**	**sys.syslock_information**
Metadata	DATABASEPROPERTY FILE_ID INDEXKEY_PROPERTY	DATABASEPROPERTYEX FILE_IDEX **sys.index_columns**
Other	DB-Library Embedded SQL for C	Although the SQL Server 2005 Database Engine still supports connections from existing applications using the DB-Lib Embedded SQL APIs, it does not include the files or documentation needed to do programming work on applications t these APIs. A future version of the SQL Server Database Engine will drop support for connections from DB-Library or Embedded SQL applications. Do not use DB-Library or Embedded SQL to develop new applications. Remove any deper on either DB-Library or Embedded SQL when modifying existing applications. Instead of these APIs, use the SQLClien namespace or an API such as OLE DB or ODBC. SQL Server 2005 does not include the DB-Library DLL required to run t applications. To run DB-Library or Embedded SQL applications you must have available the DB-Library DLL from SQL S version 6.5, SQL Server 7.0, or SQL Server 2000.
Query hints	FASTFIRSTROW hint	OPTION (FAST n).
Removable databases	**sp_certify_removable** **sp_create_removable**	sp_detach_db
Removable databases	**sp_dbremove**	DROP DATABASE
Security	**sp_addapprole** **sp_dropapprole**	CREATE APPLICATION ROLE DROP APPLICATION ROLE
Security	**sp_addlogin** **sp_droplogin**	CREATE LOGIN DROP LOGIN
Security	**sp_adduser** **sp_dropuser**	CREATE USER DROP USER
Security	**sp_grantdbaccess** **sp_revokedbaccess**	CREATE USER DROP USER
Security	**sp_addrole** **sp_droprole**	CREATE ROLE DROP ROLE
Security	**sp_approlepassword** **sp_password**	ALTER APPLICATION ROLE ALTER LOGIN
Security	**sp_changeobjectowner**	ALTER SCHEMA or ALTER AUTHORIZATION
Security	**sp_defaultdb** **sp_defaultlanguage**	ALTER LOGIN
Security	**sp_denylogin** **sp_grantlogin** **sp_revokelogin**	ALTER LOGIN DISABLE CREATE LOGIN DROP LOGIN
Security	USER_ID FILE_ID	DATABASE_PRINCIPAL_ID FILE_IDEX
Security	**sp_srvrolepermission** **sp_dbfixedrolepermission**	These stored procedures return information that was correct in SQL Server 2000. The output does not reflect changes permissions hierarchy implemented in SQL Server 2005. For more information, see "Permissions of Fixed Roles" in SQ 2005 Books Online.
SET options	SET ANSI_NULLS SET ANSI_PADDING SET CONCAT_NULL_YIELDS_NULL	None.
SET options	SET OFFSETS	None.
SET options	SET ROWCOUNT for INSERT, UPDATE, and DELETE statements	TOP keyword.

System tables	**sysaltfiles**	Compatibility views. For more information, see <u>Compatibility Views (Transact-SQL)</u> [http://msdn.microsoft.com/en-u /ms187376(printer).aspx] .
	syscacheobjects	
	syscolumns	✏**Important:**
	syscomments	The compatibility views do not expose metadata for features introduced in SQL Server 2005. It is recommended that upgrade your applications to use catalog views. For more information, see <u>Catalog Views (Transact-SQL)</u> [http://msdn.microsoft.com/en-us/library/ms174365(printer).aspx] .
	sysconfigures	
	sysconstraints	
	syscurconfigs	
	sysdatabases	
	sysdepends	
	sysdevices	
	sysfilegroups	
	sysfiles	
	sysforeignkeys	
	sysfulltextcatalogs	
	sysindexes	
	sysindexkeys	
	syslockinfo	
	syslogins	
	sysmembers	
	sysmessages	
	sysobjects	
	sysoledbusers	
	sysopentapes	
	sysperfinfo	
	syspermissions	
	sysprocesses	
	sysprotects	
	sysreferences	
	sysremotelogins	
	sysservers	
	systypes	
	sysusers	
Table hints	Specifying NOLOCK or READUNCOMMITTED in the FROM clause of an UPDATE or DELETE statement when applied to the target table of the statement.	Remove the NOLOCK or READUNCOMMITTED table hints from the FROM clause.
Textpointers	READTEXT, WRITETEXT, UPDATETEXT	None.
Textpointers	'text in row' table option	Use **varchar(max)**, **nvarchar(max)**, and **varbinary(max)** data types. For more information, see <u>sp_tableoption (Transact-SQL)</u> [http://msdn.microsoft.com/en-us/library/ms173530(printer).aspx] .
Textpointers	TEXT, NTEXT and IMAGE data types	Use **varchar(max)**, **nvarchar(max)**, and **varbinary(max)** data types.
Textpointers	TEXTPTR(), TEXTVALID()	None.
Transact-SQL	:: function-calling sequence	Replaced by SELECT *column_list* FROM **sys.fn_function_name()**
Transact-SQL	3-part and 4-part column references in SELECT list	2-part names is the standard-compliant behavior.
Transact-SQL	A string enclosed in quotes used as a column alias for an expression in a SELECT list: '*string_alias*' = *expression*	*expression* [AS] *column_alias* *expression* [AS] **[**_column_alias_**]** *expression* [AS] **"**_column_alias_**"** *expression* [AS] '*column_alias*' *column_alias* = *expression*
Transact-SQL	Stored procedure numbers **sys.numbered_procedures** **sys.numbered_procedure_parameters**	None.
Transact-SQL	*table_name.index_name* syntax in DROP INDEX	*index_name* ON *table_name* syntax in DROP INDEX.
Transact-SQL	UPDATE table1, table2, ... SET syntax	Specifying more than one table in the UPDATE target is nonstandard and ambiguous.

⊟ **Change History**

Release	History
1 February 2007	**Changed content:** • Removed **syslanguages** and **syscharsets** from the table of features not supported in a future version of SQL Server.
17 July 2006	**New content:** • Added **syssegments** to table of features not supported in next version of SQL Server.

Tags:

Community Content

sql 2008 link	Last Edit 6:59 PM by kly3
same topic for SQL Server 2008: http://technet.microsoft.com/en-us/library/ms143729(SQL.100).aspx	

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