



T-SQL static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your T-SQL code

All rules 80

🔓 Vulnerability ①

 Bug (16)

 Security Hotspot 4

Code Smell 59

Tags

Search by name...

Deprecated features should not be used

 Code Smell

Multiline blocks should be enclosed in BEGIN...END blocks

 Code Smell

Two branches in a conditional structure should not have exactly the same implementation

 Code Smell

"LIKE" clauses should not start with wildcard characters

 Code Smell

Column names should be used in an "ORDER BY" clause

 Code Smell

Queries should not join too many tables

 Code Smell

Function and procedure names should comply with a naming convention

 Code Smell

Columns to be read with a "SELECT" statement should be clearly defined

 Code Smell

"CASE" expressions should not have too many "WHEN" clauses

 Code Smell

Sections of code should not be commented out

 Code Smell

Unused procedure and function parameters should be removed

Deprecated features should not be used

Analyze your code

 Code Smell Major obsolete

Deprecated language features are those that have been retained temporarily for backward compatibility, but which will eventually be removed from the language. In effect, deprecation announces a grace period to allow the smooth transition from the old features to the new ones. In that period, no use of the deprecated features should be added to the code, and all existing uses should be gradually removed.

The following features are deprecated or (depending on your version) already removed from TSQL:

Instead of	Use
WRITETEXT, UPDATETEXT, READTEXT	VARCHAR
GROUP BY ALL	UNION or a derived table
FASTFIRSTROW	FAST n
SETUSER	EXECUTE AS
CREATE RULE	CHECK constraints
PASSWORD, MEDIAPASSWORD in BACKUP or RESTORE	use access control on the directory or WITH RESTRICTED_USER for RESTORE
DBCC DBREINDEX	ALTER INDEX REBUILD
DBCC INDEXDEFRAG	ALTER INDEX DEFRAG
DBCC SHOWCONTIG	sys.dm_db_index_physical_stats
DBCC CONCURRENCYVIOLATION	no replacement
SET ROWCOUNT	TOP (n)
SET REMOTE_PROC_TRANSACTIONS	distributed queries that reference linked servers (sp_addlinkedserver)
RAISERROR @Errno @ErrMsg	the RAISERROR syntax using parentheses
DROP INDEX with two-part name	Move table (and database) to an ON clause
String literals as column aliases	Remove the quotes around the alias. Use square brackets if escaping is necessary
Numbered procedures	Replace with un-numbered procedures
System stored procedure	no replacement
fn_virtualservernodes	sys.dm_os_cluster_nodes
fn_servershardddrives	sys.dm_io_cluster_shared_drives
GRANT / DENY / REVOKE ALL	List the specific permissions
TORN_PAGE_DETECTION	checksum
TAPE	DISK or URL
Table hint without WITH	WITH(hint)

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