

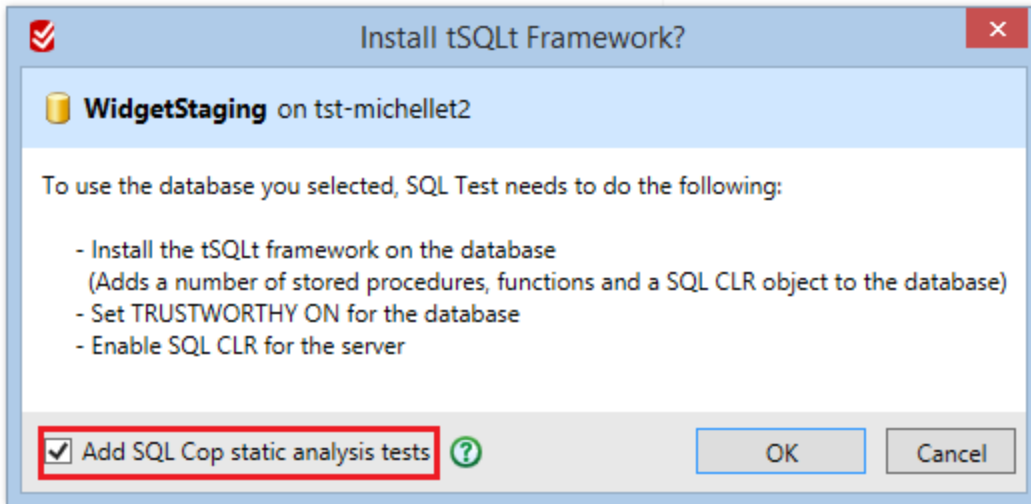
SQL Cop static analysis tests

SQL Test includes a number of static analysis tests you can run to detect issues with your database. For a comprehensive set of over 100 advanced static code analysis rules for SQL, Redgate offers [SQL Code Guard](#).

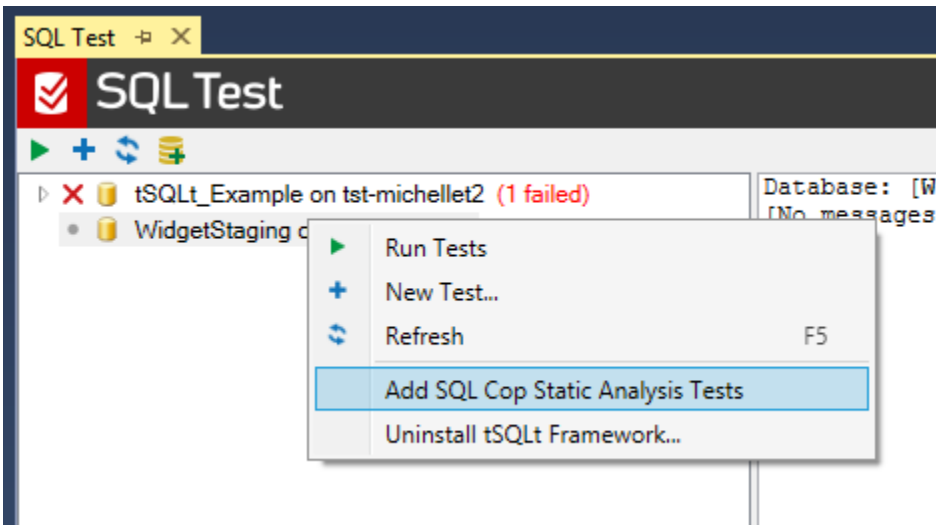
 SQL Cop tests were originally contributed by George Mastros of Less Than Dot and are now [hosted on GitHub](#) under the stewardship of Redgate (see [announcement on SQL Server Central](#)). Issues and pull requests welcome!

Adding the SQL Cop tests

To add the tests, when you add a new database to SQL Test, make sure the **Add SQL Cop static analysis tests** check box is selected:



To add the tests to a database you've already added to SQL Test, in the SQL Test tab right-click the database and click **Add SQL Cop Static Analysis Tests**:



List of tests

The following static analysis tests are included:

- [Ad hoc distributed queries](#)
- [Agent service](#)
- [Auto close](#)
- [Auto create statistics](#)
- [Auto Shrink](#)
- [Auto update statistics](#)
- [Buffer cache hit ratio](#)

- Column collation does not match database default
- Column data types (Numeric vs. Int)
- Column name problems
- Columns of data type text/nText
- Columns with float data type
- Columns with image data type
- Compatibility level
- Database and Log files on the same disk
- Database collation
- Database mail
- Decimal size problem
- Forwarded records
- Fragmented Indexes
- Instant file Initialization
- Login language
- Max degree of parallelism
- Missing foreign key indexes
- Missing foreign keys
- Old backups
- Ole automation procedures
- Orphaned users
- Page life expectancy
- Procedures named SP_
- Procedures that call undocumented procedures
- Procedures using dynamic SQL without sp_executesql
- Procedures with @@Identity
- Procedures With SET ROWCOUNT
- Procedures without SET NOCOUNT ON
- Service account
- SMO and DMO
- Table name problems
- Tables that start with tbl
- Tables without a primary key
- Tables without any data
- UniqueIdentifier with NewId
- Unnamed constraints
- User aliases
- Varchar size problem
- Views with order by
- Wide table
- xp_cmdshell is enabled