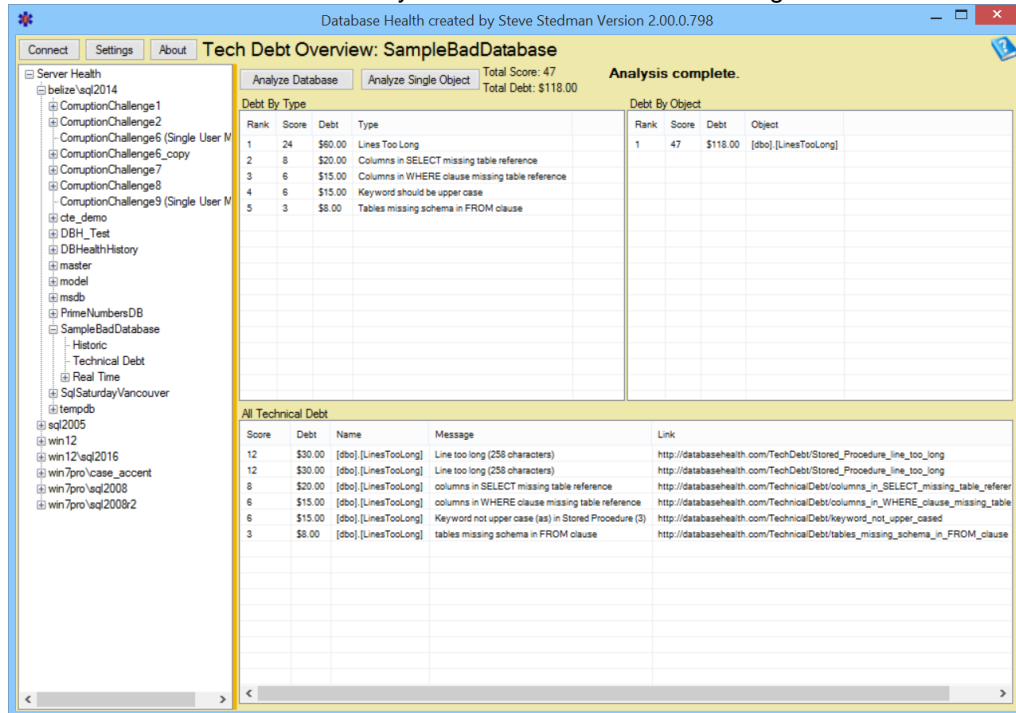


Technical Debt Overview

The technical debt overview analyzes the technical debt on a single database.



Database Health created by Steve Stedman Version 2.00.0.798

Connect Settings About Tech Debt Overview: SampleBadDatabase

Analyze Database Analyze Single Object Total Score: 47 Total Debt: \$118.00 Analysis complete.

Debt By Type				Debt By Object			
Rank	Score	Debt	Type	Rank	Score	Debt	Object
1	24	\$60.00	Lines Too Long	1	47	\$118.00	[dbo].[LinesTooLong]
2	8	\$20.00	Columns in SELECT missing table reference				
3	6	\$15.00	Columns in WHERE clause missing table reference				
4	6	\$15.00	Keyword should be upper case				
5	3	\$8.00	Tables missing schema in FROM clause				

Score	Debt	Name	Message	Link
12	\$30.00	[dbo].[LinesTooLong]	Line too long (258 characters)	http://databasehealth.com/TechDebt/Stored_Procedure_line_too_long
12	\$30.00	[dbo].[LinesTooLong]	Line too long (258 characters)	http://databasehealth.com/TechDebt/Stored_Procedure_line_too_long
8	\$20.00	[dbo].[LinesTooLong]	columns in SELECT missing table reference	http://databasehealth.com/Technical/Debt/columns_in_SELECT_missing_table_referer
6	\$15.00	[dbo].[LinesTooLong]	columns in WHERE clause missing table reference	http://databasehealth.com/Technical/Debt/columns_in_WHERE_clause_missing_table
6	\$15.00	[dbo].[LinesTooLong]	Keyword not upper case (as) in Stored Procedure (3)	http://databasehealth.com/Technical/Debt/keyword_not_upper_cased
3	\$8.00	[dbo].[LinesTooLong]	tables missing schema in FROM clause	http://databasehealth.com/Technical/Debt/tables_missing_schema_in_FROM_clause

Some of the SQL Server technical debt that are caught by the Technical Debt Analysis report are:

- [Cursors in Stored Procedures](#)
- Usage of SELECT * rather than specific columns
- [Use of NOLOCK hint](#)
- Multiple RETURN statements
- And many more
-

Rank, Score and Debt

The rank column simply sorts the debt by the most expensive (highest score and debt) numbers first.

The score is determined by the complexity of the issue times the number of occurrences.

Debt By Type			
Rank	Score	Debt	Type
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The Debt or dollar value (sorry no internationalization on this), shows the score divided by the Average points per hour fixed times the average hourly cost to fix debt. See the settings dialog for details.

The screenshot shows the 'Settings Dialog' window with the 'Tech Debt' tab selected. The window has a title bar with a gear icon and a close button. Below the title bar are tabs: 'Refresh', 'Thresholds', 'SQL Servers', 'Historic', 'Tech Debt' (selected), and 'Product Registration'. A help icon (?) is in the top right corner.

Under the 'Tech Debt' tab, there is a section titled 'Technical Debt Type' with a list of items:

- = NULL should be IS NULL
- columns in GROUP BY missing table reference
- columns in ORDER BY missing table reference
- Columns in SELECT missing table reference
- Columns in WHERE clause missing table reference
- Cursors Used
- Deprecated DBCC DBREINDEX
- Deprecated DBCC INDEXDEFRAG
- Deprecated DBCC PINTABLE
- Deprecated DBCC SHOWCONTIG
- Deprecated DBCC UNPINTABLE
- Deprecated sp_addtype
- Deprecated sp_attach_db
- Deprecated sp_attach_single_file_db
- Deprecated sp_change_users_login
- Deprecated sp_dbcmtlevel

Below the list are two buttons: 'Enable All' and 'Disable All'.

Under the 'Cost Variables' section, there are two input fields:

- 'Average points per hour fixed:' with the value '20'.
- 'Average hourly cost for those fixing debt:' with the value '50'.

 To the right of these fields is a note: 'Enter whole numbers, no decimals and no currency symbols.'

At the bottom, there is a link: 'More Information, visit: <http://databasehealth.stevededman.com/Settings-Dialog>'. There are also 'OK' and 'Cancel' buttons.

Related Links

- [Database Health Monitor Download](#)
- [SteveStedman.com Blog](#)
- [Technical Debt Settings Page](#)