

Index and Query Optimization performance categories

The Index Optimization and Query Optimization categories return light recommendations if you run a regular analysis and they return heavy recommendations if you run a workload analysis.

Lightweight recommendations

Index Optimization

ID	Recommendation
SDR-I1	Auto Stats Recommendation
SDR-I10	Index Underutilized Recommendation
SDR-I16	Index Unused Recommendation
SDR-I17	Index Page Latch Contention Recommendation
SDR-I2	Fragmented Index Recommendation
SDR-I21	Overlapping Index Recommendation
SDR-I22	Non-Clustered Matching Clustered Index Recommendation
SDR-I23	Non-Incremental Column Stat On Partitioned Table
SDR-I24	High Modifications Since Last Stat Update
SDR-I25	Hash Index Few Buckets
SDR-I26	Hash Index Large Duplicate Key
SDR-I27	Scanned Hash Index
SDR-I28	Hash Index Too Many Buckets
SDR-I29	Rarely Used Index On In-Memory Table
SDR-I3	Out Of Date Stats Recommendation
SDR-I30	Column Store Index Missing On Large Tables
SDR-I31	Filtered Column Not In Key Of FilteredIndex
SDR-I5	Disabled Index Recommendation
SDR-I6	Duplicate Index Recommendation
SDR-I7	Hypothetical Index Recommendation
SDR-I8	Partial Duplicate Index Recommendation
SDR-I9	Index Lock Contention Recommendation

Query Optimization

ID	Recommendation
SDR-Q3	SQL Module Option Recommendation
SDR-Q37	Flag 4199 Low Compatible
SDR-Q38	Flag 4199 All Db Compatible
SDR-Q39	Query Store Disabled

SDR-Q40	Query Store Out Of Space
SDR-Q41	Query Store Almost Full
SDR-Q42	Plan Guides Used Over Query Store
SDR-Q43	Frequently Executed Procedure With High CPU Time
SDR-Q44	New Cardinality Estimator Not Being Used
SDR-Q46	Top 10 Queries With Longest Average Execution Time
SDR-Q47	Top10 Queries Consuming Most IO
SDR-Q48	Queries With Double Increase In Execution Time
SDR-Q49	Top10 Queries Having Longer Duration In Last Hour
SDR-Q50	Queries With Four Different Plan In Two Days

Heavy weight recommendations

Index Optimization

ID	Recommendation
SDR-I4	Missing Index Recommendation
SDR-I19	No Column Stats Recommendation

Query Optimization

ID	Recommendation
SDR-Q11	TSql Recommendation With Table (Unfiltered Delete)
SDR-Q13	TSql Hint Recommendation (Hint Abuse)
SDR-Q16	TSql Recommendation (Left Expression In Where Clause)
SDR-Q17	TSql Recommendation (Like Use Not Needed)
SDR-Q18	TSql Nested Min Max Recommendation (Nested Min Max)
SDR-Q19	No Join Predicate Recommendation
SDR-Q2	TSql Cursor Recommendation (Fast Forward Cursor)
SDR-Q20	TSql Recommendation With Column (Not In Used On Nullable Column)
SDR-Q22	TSql Recommendation (Select Star Abuse)
SDR-Q24	TSql Recommendation (Function In Where Clause)
SDR-Q26	TSql Recommendation (Union Set Abuse)
SDR-Q28	TSql Recommendation (Top Vs Row Count)
SDR-Q29	TSql Recommendation (Ansi Top Equivalent)
SDR-Q34	TSql Recommendation (Naked Insert)
SDR-Q35	User Defined Function In Predicate Recommendation
SDR-Q35	Intrinsic Function In Predicate Recommendation
SDR-Q35	Implicit Conversion In Predicate Recommendation

SDR-Q6	Cached Plan Misuse Recommendation
SDR-Q8	TSql Recommendation (Two Expression Coalesce)

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