

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	AutoStatsRecommendation
SDR-I10	IndexUnderutilizedRecommendation
SDR-I16	IndexUnusedRecommendation
SDR-I17	IndexPageLatchContentionRecommendation
SDR-I2	FragmentedIndexRecommendation
SDR-I21	OverlappingIndexRecommendation
SDR-I22	NonClusteredMatchingClusteredIndexRecommendation
SDR-I23	NonIncrementalColumnStatOnPartitionedTable
SDR-I24	HighModificationsSinceLastStatUpdate
SDR-I25	HashIndexFewBuckets
SDR-I26	HashIndexLargeDuplicateKey
SDR-I27	ScannedHashIndex
SDR-I28	HashIndexTooManyBuckets
SDR-I29	RarelyUsedIndexOnInMemoryTable
SDR-I3	OutOfDateStatsRecommendation
SDR-I30	ColumnStoreIndexMissingOnLargeTables
SDR-I31	FilteredColumnNotInKeyOfFilteredIndex
SDR-I5	DisabledIndexRecommendation
SDR-I6	DuplicateIndexRecommendation
SDR-I7	HypotheticalIndexRecommendation
SDR-I8	PartialDuplicateIndexRecommendation
SDR-I9	IndexLockContentionRecommendation

Query Optimization

ID	Recommendation
SDR-Q3	SQLModuleOptionRecommendation
SDR-Q37	Flag4199LowCompatible
SDR-Q38	Flag4199AllDbCompatible
SDR-Q39	QueryStoreDisabled

SDR-Q40	QueryStoreOutOfSpace
SDR-Q41	QueryStoreAlmostFull
SDR-Q42	PlanGuidesUsedOverQueryStore
SDR-Q43	FrequentlyExecutedProcedureWithHighCPUTime
SDR-Q44	NewCardinalityEstimatorNotBeingUsed
SDR-Q46	Top10QueriesWithLongestAverageExecutionTime
SDR-Q47	Top10QueriesConsumingMostIO
SDR-Q48	QueriesWithDoubleIncreaseInExecutionTime
SDR-Q49	Top10QueriesHavingLongerDurationInLastHour
SDR-Q50	QueriesWithFourDifferentPlanInTwoDays

Heavy weight recommendations

Index Optimization

ID	Recommendation
SDR-I4	MissingIndexRecommendation
SDR-I19	NoColumnStatsRecommendation

Query Optimization

ID	Recommendation
SDR-Q11	TSqlRecommendationWithTable(UnfilteredDelete)
SDR-Q13	TSqlHintRecommendation(HintAbuse)
SDR-Q16	TSqlRecommendation(LeftExpressionInWhereClause)
SDR-Q17	TSqlRecommendation(LikeUseNotNeeded)
SDR-Q18	TSqlNestedMinMaxRecommendation(NestedMinMax)
SDR-Q19	NoJoinPredicateRecommendation
SDR-Q2	TSqlCursorRecommendation(FastForwardCursor)
SDR-Q20	TSqlRecommendationWithColumn(NotInUsedOnNullableColumn)
SDR-Q22	TSqlRecommendation(SelectStarAbuse)
SDR-Q24	TSqlRecommendation(FunctionInWhereClause)
SDR-Q26	TSqlRecommendation(UnionSetAbuse)
SDR-Q28	TSqlRecommendation(TopVsRowCount)
SDR-Q29	TSqlRecommendation(AnsiTopEquivalent)
SDR-Q34	TSqlRecommendation(NakedInsert)
SDR-Q35	UserDefinedFunctionInPredicateRecommendation
SDR-Q35	IntrinsicFunctionInPredicateRecommendation
SDR-Q35	ImplicitConversionInPredicateRecommendation

SDR-Q6	CachedPlanMisuseRecommendation
SDR-Q8	TSqlRecommendation(TwoExpressionCoalesce)

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