# DBCC CHECKDB

WHAT IS THE PURPOSE OF DBCC CHECKDB

The primary purpose is to check both the logical and the physical integrity of all objects in the specified database. In a busy and large production database, it may become necessary to run a few selected options that the DBCC CHECKDB provides.

COMPLETE SYNTAX OF DBCC CHECKDB

DBCC CHECKDB   
    ( '*database\_name*'   
            [ , NOINDEX   
                | { REPAIR\_ALLOW\_DATA\_LOSS   
                    | REPAIR\_FAST   
                    | REPAIR\_REBUILD   
                    } ]   
    )    [ WITH { [ ALL\_ERRORMSGS ]   
                    [ , [ NO\_INFOMSGS ] ]   
                    [ , [ TABLOCK ] ]   
                    [ , [ ESTIMATEONLY ] ]   
                    [ , [ PHYSICAL\_ONLY ] ]   
                    }   
        ]

DBCC CHECKDB SYNTAX OPTIONS

--Checks all data in database --8 seconds

DBCC CHECKDB ('adventureworks2012')

DBCC CHECKDB ('adventureworks2012', NOINDEX) --5 seconds

--Specifies that non clustered indexes for non system tables should not be checked

USE [master]

GO

DBCC CHECKDB WITH NO\_INFOMSGS

--Suppresses all informational messages (use in a large database)

DBCC CHECKDB ('TEMPDB') WITH ESTIMATEONLY

--Displays the estimated amount of tempdb space needed to run DBCC CHECKDB (if you want to unload the integrity check to the tempdb)

DBCC CHECKDB ('adventureworks2012') WITH PHYSICAL\_ONLY

--This checks physical on-disk structures, but omits the internal logical checks