

Basic Commands



Erin Stellato

@erinstellato | www.SQLskills.com

What This Module Covers



General review of DBCC commands

DBCC resources and undocumented commands

Testing options

Basic commands

What are DBCC Commands?

“Database Console
Commands”

Informational
commands

Maintenance
commands

Validation
commands

Miscellaneous
commands

Many require
sysadmin or
db_owner
permission

DBCC Resources

Books Online

DBCC HELP

The internet:
#sqlhelp
Community blogs
StackExchange

Paul Randal's course
on Pluralsight:
*SQL Server:
Detecting and
Correcting Database
Corruption*

Testing DBCC Commands



A production problem can sometimes only exist, or be reproduced, in the production environment

Test these commands in a test/development/QA environment so you understand not only *what* they will do, but also the impact

Undocumented Commands



Documented command = Microsoft supported

Undocumented command = if you have problems because of something you did, Microsoft will not help you

We will only review commands that are safe to run

DBCC HELP

- Provides syntax for a specific DBCC command, or lists all commands
- By default, only supported commands are listed
- This command has no impact on performance or data
- Requires sysadmin role

DBCC TRACEON and DBCC TRACEOFF

- Enable or disable a trace flag for a session, or globally
- Use with caution
 - Trace flags change behavior of the Engine
- Enabling or disabling a trace flag can affect performance, depending on what functionality the trace flag changes
- Requires sysadmin role

DBCC TRACESTATUS

- Provides status for a specific trace flag, or all of them, and notes whether they are enabled for a session or globally
- Does not affect performance or data, nor does it alter the configuration of the instance
- Requires public role

Basics of DBCC Commands



Use existing resources to understand what a DBCC command will do, but test it before running it in production

Enable and disable trace flags with caution, particularly via DBCC commands

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