

### Server-level Options

opt/min/max/def

### Available Server-level Options

- access check cache bucket count /0/16384/0
- access check cache quota/0/2147483647/0
- ad hoc distributed queries/0/1/0
- affinity I/O mask /-2147483648/214748647/0
- affinity64 I/O mask /-2147483648/214748647/0
- Agent XPs/0/1/0
- allow updates /0/1/0
- backup compression default/0/1/0
- blocked process threshold/0/86400/0
- c2 audit mode /0/1/0
- clr enabled/0/1/0
- common criteria compliance enabled /0/1/0
- contained database authentication 0/-/0
- cost threshold for parallelism/0/32767/5
- cross db ownership chaining/0/1/0
- cursor threshold/-1/2147483647/-1
- Database Mail XPs /0/1/0
- default full-text language/0/2147483647/1033
- default language/0/9999/0
- default trace enabled/0/1/1
- disallow results from triggers/0/1/0
- EKM provider enabled/0/1/0
- filestream\_access\_level /0/2/0
- fill factor /0/100/0
- ft crawl bandwidth (max)/0/32767/100
- ft crawl bandwidth (min)/0/32767/0
- ft notify bandwidth (max)/0/32767/100
- ft notify bandwidth (min)/0/32767/0
- index create memory/704/2147483647/0
- in-doubt xact resolution/0/2/0
- lightweight pooling/0/1/0
- locks/5000/214783647/0
- max degree of parallelism/0/32767/0
- max full-text crawl range /0/256/4

### Available Server-level Options (cont)

- max server memory/16/2147483647
- max text repl size/0/2147483647/65536
- max worker threads /128/32767/0
- media retention /0/365/0
- min memory per query /512/2147483647/1024
- min server memory/0/2147483647/0
- nested triggers/0/1/1
- network packet size /512/32767/4096
- Ole Automation Procedures /0/1/0
- open objects /0/2147483647/0
- optimize for ad hoc workloads /0/1/0
- PH\_timeout /0/3600/60
- precompute rank /0/1/0
- priority boost/0/1/0
- query governor cost limit/0/2147483647/0
- query wait/-1/2147483647/-1
- recovery interval/0/32767/0
- remote access /0/1/1
- remote admin connections/0/1/0
- remote login timeout/0/2147483647/10
- remote proc trans/0/1/0
- remote query timeout/0/2147483647/600
- Replication XPs Option /0/1/0
- scan for startup procs/0/1/0
- server trigger recursion/0/1/1
- set working set size /0/1/0
- show advanced options/0/1/0
- SMO and DMO XPs /0/1/1
- transform noise words /0/1/0
- two digit year cutoff /1753/9999/2049
- user connections /0/32767/0
- user options/0/32767/0
- xp\_cmdshell /0/1/0



### How to Change Server-level Options

#### GUI (some options)

sp\_Con figure for basic options

sp\_Con figure for advanced options

*First, turn on Show Advanced Options*

*Then list them*

*Then activate desired option(s)*

#### RECONFIGURE

**Notable:** authentication mode can't be switched this way but xp\_reg-write can be used

### Database-level Options

#### options/default

#### Auto options

AUTO\_CLOSE/**True**

AUTO\_CREATE\_STATISTICS/**True**

AUTO\_UPDATE\_STATISTICS/**True**

AUTO\_SHRINK **/False**

Auto\_Update\_Statistics\_Asynchroneously/**False**

#### Cursor options

CURSOR\_CLOSE\_ON\_COMMIT/**OFF**

CURSOR\_DEFAULT/**GLOBAL**

#### Database availability options

OFFLINE | ONLINE | EMERGENCY/**ONLINE**

READ\_ONLY | READ\_WRITE/**READ\_WRITE**

SINGLE\_USER | RESTRICTED\_USER | MULTI\_USER/**MULTI\_USER**

#### Date Correlation Optimization Options

DATE\_CORRELATION\_OPTIMIZATION/**OFF**

#### External access options

DB\_CHAINING/**OFF**

TRUSTWORTHY/**OFF**

#### Parameterization options

PARAMETERIZATION/**SIMPLE**

### Recovery options

RECOVERY/**FULL**

PAGE\_VERIFY/**CHECKSUM**

### Service Broker options

ENABLE\_BROKER | DISABLE\_BROKER | NEW\_BROKER | ERRORS/**ENABLE\_BROKER**

### Snapshot isolation options

ALLOW\_SNAPSHOT\_ISOLATION/**OFF**

READ\_COMMITTED\_SNAPSHOT/**OFF**

### SQL Options

READ\_COMMITTED\_SNAPSHOT/**OFF**

ANSI\_NULLS **/OFF**

ANSI\_PADDING/**OFF**

ANSI\_WARNINGS/**OFF**

ARITHABORT/**OFF**

CONCAT\_NULLYIELDS **\_NULL/OFF**

QUOTED\_IDENTIFIER/**OFF**

NUMERIC\_ROUNDABORT **/OFF**

RECURSIVE\_TRIGGERS **/OFF**

### How to Change Server and Database Options

#### Code

ALTER DATABASE DBx SET \_\_\_\_

#### GUI

Can't change every option

