

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_regwrite 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_Asynchronously/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 | ERRORNS/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

