

Server-level Options

opt/min/max/def

Configuration

- 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
- 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
- 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

Configuration (cont)

- 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

Database-Level Configuration

opt/statement

AUTO OPTIONS

- AUTO_CLOSE/True
- AUTO_CREATE_STATISTICS/True
- AUTO_UPDATE_STATISTICS/True
- AUTO_SHRINK /False
- Auto_Update_Statistics_Asynchronously/False



Database Mirroring Options

PARTNER / FAILOVER
 PARTNER / FORCE_SERVICE_ALLOW_DATA_LOSS
 PARTNER / OFF
 PARTNER / RESUME
 PARTNER / SAFETY OFF
 PARTNER / SUSPEND
 PARTNER / TIMEOUT 20
 WITNESS / OFF

Date Correlation Optimization Option

DATE_CORRELATION_OPTIMIZATION / ON

Emergency Mode Option

PAGE_VERIFY / TORN_PAGE_DETECTION
 PAGE_VERIFY / CHECKSUM

PAGE VERIFY Option

PAGE_VERIFY / TORN_PAGE_DETECTION
 PAGE_VERIFY / CHECKSUM

PARAMETERIZATION

PARAMETERIZATION / FORCED
 PARAMETERIZATION / SIMPLE

Service Broker Options

SET NEW_BROKER
 SET ENABLE_BROKER
 SET ERROR_BROKER_CONVERSATIONS
 SET TRUSTWORTHY ON
 SET DISABLE_BROKER

SQL Options

READ_COMMITTED_SNAPSHOT/OFF
 ANSI_NULLS /OFF
 ANSI_PADDING/OFF
 ANSI_WARNINGS/OFF
 ARITHABORT/OFF
 CONCAT_NULL_YIELDS_NULL/OFF
 QUOTED_IDENTIFIER/OFF
 NUMERIC_ROUNDABORT /OFF
 RECURSIVE_TRIGGERS /OFF

CURSOR OPTIONS

CURSOR_CLOSE_ON_COMMIT/OFF
 CURSOR_DEFAULT/GLOBAL

Change Server-Level Options

- New query Using Transact-SQL (sp-configure)

```
Use Adventure Works2012;
GO
sp_configure 'show advanced options', 1;
GO
RECONFIGURE;
GO
sp_configure 'fill factor', 100;
GO
RECONFIGURE;
GO
```

Change Database-Level Options

```
ALTER DATABASE <database_name> SET <options>
<statement>
```

