

Server Level Options				Configuration Option Table (cont)				Configuration Option Table (cont)			
<i>option/min/max/def</i>											
Configuration Option Table											
Option	Minimum Value	Maximum Value	Default								
access check cache bucket count (A)	0	16384	0	allow updates (Obsolete. Do not use. Will cause an error during reconfiguration.)	0	1	0	disallow results from triggers (A)	0	1	0
access check cache quota (A)	0	2147483647	0	backup compression default	0	1	0	EKM provider enabled	0	1	0
ad hoc distributed queries (A)	0	1	0	blocked process threshold (A)	0	86400	0	filestream_access_level	0	2	0
affinity I/O mask (A, RR)	-2147483648	2147483647	0	c2 audit mode (A, RR)	0	1	0	fill factor (A, RR)	0	100	0
affinity64 I/O mask (A, only available on 64-bit version of SQL Server)	-2147483648	2147483647	0	clr enabled	0	1	0	ft crawl bandwidth (max), see ft crawl bandwidth(A)	0	32767	100
affinity mask (A)	-2147483648	2147483647	0	common criteria compliance enabled (A, RR)	0	1	0	ft crawl bandwidth (min), see ft crawl bandwidth(A)	0	32767	0
affinity64 mask (A, RR), only available on 64-bit version of SQL Server	-2147483648	2147483647	0	contained database authentication	0		0	ft notify bandwidth (max), see ft notify bandwidth(A)	0	32767	100
Agent XPs (A)	0	1	0	cost threshold for parallelism (A)	0	32767	5	ft notify bandwidth (min), see ft notify bandwidth(A)	0	32767	0
				cross db ownership chaining	0	1	0	index create memory (A, SC)	704	2147483647	0
				cursor threshold (A)	-1	2147483647	-1	in-doubt xact resolution (A)	0	2	0
				Database Mail XPs (A)	0	1	0	lightweight pooling (A, RR)	0	1	0
				default full-text language (A)	0	2147483647	1033	locks (A, RR, SC)	5000	2147483647	0
				default language	0	9999	0				
				default trace enabled (A)	0	1	1				



Configuration Option Table (cont)				Configuration Option Table (cont)				Configuration Option Table (cont)			
max degree of parallelism (A)	0	32767	0	priority boost (A, RR)	0	1	0	transform noise words (A)	0	1	0
max full-text crawl range (A)	0	256	4	query governor cost limit (A)	0	2147483647	0	two digit year cutoff (A)	1753	9999	2049
max server memory (A, SC)	16	2147483647	2147483647	query wait (A)	-1	2147483647	-1	user connections (A, RR, SC)	0	32767	0
max text repl size	0	2147483647	65536	recovery interval (A, SC)	0	32767	0	user options	0	32767	0
max worker threads (A)	128	32767	0	remote access (RR)	0	1	1	xp_cmdshell (A)	0	1	0
media retention (A, RR)	0	365	0	remote admin connections	0	1	0	Server Configuration Tools			
min memory per query (A)	512	2147483647	1024	remote login timeout	0	2147483647	10	1. Ad Hoc Remote Queries			
min server memory (A, SC)	0	2147483647	0	remote proc trans	0	1	0	2. CLR enabled			
nested triggers	0	1	1	remote query timeout	0	2147483647	600	3. Remote Admin Connections (the tool refers to this setting as DAC)			
network packet size (A)	512	32767	4096	Replication XPs Option (A)	0	1	0	4. OLE Automation Procedures			
Ole Automation Procedures (A)	0	1	0	scan for startup procs (A, RR)	0	1	0	5. SQL Mail XPs			
open objects (A, RR, obsolete)	0	2147483647	0	server trigger recursion	0	1	1	6. Web Assistant Procedures			
optimize for ad hoc workloads (A)	0	1	0	set working set size (A, RR, obsolete)	0	1	0	7. Xp_cmdshell			
PH_timeout (A)	1	3600	60	show advanced options	0	1	0	8. HTTP access to SQL Server through endpoints			
precompute rank (A)	0	1	0	SMO and DMO XPs (A)	0	1	1	9. Service Broker			

Change Server Level Options

```
Use AdventureWorks2012;
GO
sp_configure 'show advanced options', 1;
GO
RECONFIGURE;
GO
```



Change Server Level Options (cont)

```
sp_configure 'fill factor', 100;
GO
RECONFIGURE;
GO
```

Database Level Options

option/statement

Auto Options

Option	Statement
AUTO_CLOSE	True
AUTO_CREATE_STATISTICS	True
AUTO_UPDATE_STATISTICS	True
AUTO_SHRINK	False
Auto_Update_Statistics_Asyn- chronously	False

Database Mirroring Options

Options	Statment
PARTNER	FAILOVER
PARTNER	FORCE_SERVICE_ALLOW- _DATA_LOSS

Database Mirroring Options (cont)

PARTNER	OFF
PARTNER	RESUME
PARTNER	SAFETY OFF
PARTNER	SUSPEND
PARTNER	TIMEOUT 20
WITNESS	OFF

Date Correlation Optimization Option

Option	Statement
DATE_CORRELATION_OPTI- MIZATION	ON

PAGE VERIFY Options

Option	Statement
PAGE_V- ERIFY	TORN_PAGE_DE- TECTION
PAGE_V- ERIFY	CHECKSUM

Emergency Mode Options

Options	Statement
PAGE_V- ERIFY	CHECKSUM
PAGE_V- ERIFY	TORN_PAGE_DE- TECTION

PARAMETERIZATION Options

Options	Statement
PARAMETERIZATION	FORCED
PARAMETERIZATION	SIMPLE

SQL Options

Options	Statement
READ_COMMITTED_SNAPS- HOT	OFF
ANSI_NULLS	OFF
ANSI_PADDING	OFF
ANSI_WARNINGS	OFF
ARITHABORT	OFF
CONCAT_NULL_YIELDS_NU- LL	OFF
QUOTED_IDENTIFIER	OFF
NUMERIC_ROUNDABORT	OFF
RECURSIVE_TRIGGERS	OFF



CURSOR Options

Options	Statement
CURSOR_CLOSE_ON_COMMIT	OFF
CURSOR_DEFAULT	GLOBAL

Create Table Database

```
CREATE TABLE [dbo].[Categories]
NOT NULL, [CategoryName]
nvarchar COLLATE
SQL_Latin1_General_CP1_CI_AS NOT
NULL, [Description] [ntext]
COLLATE
SQL_Latin1_General_CP1_CI_AS
NULL, [Picture] [image] NULL )
ON [SECONDARY] TEXTIMAGE_ON
[SECONDARY]
```

Create a database snapshot

```
USE master; GO CREATE DATABASE
northwind_snapshot1115 ON ( NAME =
northwind, FILENAME = 'C:\Program
Files\Microsoft SQL
Server\MSSQL\Data\nwindparse1.ss'),
( NAME = northwind_data2, FILENAME
= 'C:\Program Files\Microsoft SQL
Server\MSSQL\Data\nwindparse2.ss')
AS SNAPSHOT OF northwind; GO
```

Change Database-Level Options

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

Reverting Database

```
USE master; GO CREATE DATABASE
AdventureWorks_130PM ON ( NAME =
AdventureWorks_data, FILENAME =
'C:\Program Files\Microsoft SQL
Server\MSSQL.2\MSSQL\Data\aw1.ss')
AS SNAPSHOT OF AdventureWorks;
```



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Published 25th February, 2015.
 Last updated 13th May, 2016.
 Page 4 of 4.

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