

MQ Family Solaris Kernel Settings

The kernel parameters on a Solaris system are kept in the file /etc/system. Once changed, the machine must be rebooted in order for the changes to take effect. To determine what is currently in effect, the "sysdef -i" command may be issued.

MQSeries 5.2

MQSeries for Sun Solaris – Quick Beginnings - GC33-1870-03

```
set shmsys:shminfo_shmmax = 4294967295
set shmsys:shminfo_shmseg = 1024
set shmsys:shminfo_shmmni = 1024
set semsys:seminfo_semaem = 16384
set shmsys:shminfo_semmni = 1024
set semsys:seminfo_semmap = 1026
set semsys:seminfo_semmns = 16384
set semsys:seminfo_semmsl = 100
set semsys:seminfo_semopm = 100
set semsys:seminfo_semmnu = 2048
set semsys:seminfo_semume = 256
set msgsys:msginfo_msgmap = 1026
set msgsys:msginfo_msgmax = 4096
```

MQSeries Integrator 2.0.2 and WMQI 2.1

MQSeries for Sun Solaris – Installation Guide - GC34-5842-03

WebSphere MQ Integrator for Sun Solaris – Installation Guide – GC34-5842-04

```
set lwp_default_stksize =0x4000
set rpcmod:svc_run_stksize =0x4000
set shmsys:shminfo_shmmax =4194304
set shmsys:shminfo_shmseg =1024
set shmsys:shminfo_shmmni =1024
set shmsys:shminfo_shmmni =8
set semsys:seminfo_semaem =16384
set semsys:seminfo_semmni =1024 (semmni < semmns)
set semsys:seminfo_semmap =1026 (semmni +2)
set semsys:seminfo_semmns =16384
set semsys:seminfo_semmsl =125
```

```

set semsys:seminfo_semopm =100
set semsys:seminfo_semmnu =2048
set semsys:seminfo_semume =256
set semsys:seminfo_semvmx =32767
set msgsys:msginfo_msgmap =1026
set msgsys:msginfo_msgmax =65535
set msgsys:msginfo_msgmnb =65535
set msgsys:msginfo_msgmni =128
set msgsys:msginfo_msgssz =16
set msgsys:msginfo_msgtql =256
set msgsys:msginfo_msgseg =8192
set shmsys:shminfo_shmmax =67108864

```

DB2 EE 7.1

```

set msgsys:msginfo_msgmax = 65535
set msgsys:msginfo_msgmnb = 65535
set msgsys:msginfo_msgmap = 258
set msgsys:msginfo_msgmni = 256
set msgsys:msginfo_msgssz = 16
set msgsys:msginfo_msgtql = 1024
set msgsys:msginfo_msgseg = 32767
set shmsys:shminfo_shmmax = 268435456
set shmsys:shminfo_shmseg = 50
set shmsys:shminfo_shmmni = 300
set semsys:seminfo_semmni = 512
set semsys:seminfo_semmap = 514
set semsys:seminfo_semmns = 1024
set semsys:seminfo_semmnu = 1024
set semsys:seminfo_semume = 50

```

Comparison table

Option	MQ	MQSI	DB2
shmsys:shminfo_shmmax	4294967295	67108864	268435456
shmsys:shminfo_shmseg	1024	1024	50
shmsys:shminfo_shmmni	1024	1024	300
shmsys:shminfo_shmmin		8	
semsys:seminfo_semaem	16384	16384	
semsys:seminfo_semmni	1024	1024	512
semsys:seminfo_semmap	1026	1026	514
semsys:seminfo_semmns	16384	16384	1024
semsys:seminfo_semmsl	100	125	
semsys:seminfo_semopm	100	100	

semsys:seminfo_semmnu	2048	2048	1024
semsys:seminfo_semume	256	256	50
semsys:seminfo_sevmx		32767	
msgsys:msginfo_msgmap	1026	1026	258
msgsys:msginfo_msgmax	4096	65535	65535
msgsys:msginfo_msgmnb		65535	65535
msgsys:msginfo_msgmni		128	256
msgsys:msginfo_msgssz		16	16
msgsys:msginfo_msgtql		256	1024
msgsys:msginfo_msgseg		8192	32767
lwp_default_stksize		0x4000	
rpcmod:svc_run_stksize		0x4000	

Aggregate Settings

The resulting final settings are thus:

```

set shmsys:shminfo_shmmax = 4294967295
set shmsys:shminfo_shmseg = 1024
set shmsys:shminfo_shmmni = 1024
set shmsys:shminfo_shmmin = 8
set semsys:seminfo_semaem = 16384
set semsys:seminfo_semmni = 1024
set semsys:seminfo_semmap = 1026
set semsys:seminfo_semmns = 16384
set semsys:seminfo_semmsl = 125
set semsys:seminfo_semopm = 100
set semsys:seminfo_semmnu = 2048
set semsys:seminfo_semume = 256
set semsys:seminfo_sevmx = 32767
set msgsys:msginfo_msgmap = 1026
set msgsys:msginfo_msgmax = 65535
set msgsys:msginfo_msgmnb = 65535
set msgsys:msginfo_msgmni = 256
set msgsys:msginfo_msgssz = 16
set msgsys:msginfo_msgtql = 1024
set msgsys:msginfo_msgseg = 32767
set lwp_default_stksize = 0x4000
set rpcmode:svc_run_stksize = 0x4000

```