SPSS for Windows and Two CPUs - Banishing a Bug¹

SPSS for Windows fails when running long programs on PCs that have two CPUs, unless special steps are taken. This must be done each time you use SPSS. (If you know of a better way, let me know!!)

- 1. Bring up SPSS.
- 2. Bring up the task manager. This can be done by right clicking on the bottom bar of your window.



Use your mouse to right-click on the bar at the bottom of your window to bring up the task manager

 Go to the "Processess" tab. Find the process "spsswin.exe" and right-click on it.

Windows Task Mana Options View Hel	ger				
	1				
pplications Processes	Performa	ance			
Image Name	PID	CPU	CPU Time	Mem Usage	
WZOKPICK.EXE	1352	00	0:00:00	184 K	
wpwin9.exe	1728	00	0:00:30	2,204 K	
winlogon.exe	220	00	0:00:02	2,388 K	
Winampa.exe	1324	00	0:00:00	316 K	
win32sl.exe	704	00	0:00:00	492 K	
Webscanx.exe	960	00	0:00:00	220 K	
VsStat.exe	872	00	0:00:00	320 K	
Vshwin32.exe	888	00	0:00:02	8,752 K	
ttermpro.exe	1132	00	0:00:12	716 K	
taskmgr.exe	1744	00	0:00:00	2,868 K	
System Idle Process	0	99	15:48:50	16 K	
System	8	00	0:00:47	24 K	
svchost.exe	604	00	0:00:00	2,500 K	
svchost.exe	464	00	0:00:00	1,624 K	
SshClient.exe	1452	00	0:00:03	2,172 K	
SshClient.exe	1100	00	0:00:53	3,884 K	
spsswin.exe	1512	00	0:00:02	18,252 K	
spoolsv.exe	492	00	0:00:05	2,860 K	
smss.exe	200	00	0:00:00	12 K	-
					End Process
	00/		A 11 2	100000 / 10770/0	2

¹Prepared by Patty Glynn with help from Michael Goldblatt and Fred Nick, University of Washington, March 4, 2002

4. Choose "Set Affinity".

Windows Task Ma ile Options View	anager Help				
Applications Proces	ses Performa	ance			
Image Name	PID	CPU	CPU Time	Mem Usage	_
WZQKPICK.EXE	1352	00	0:00:00	184 K	
wpwin9.exe	1728	00	0:00:49	28,848 K	
winlogon.exe	220	00	0:00:02	2,388 K	
Winampa.exe	1324	00	0:00:00	316 K	
win32sl.exe	704	00	0:00:00	492 K	
Webscanx.exe	960	00	0:00:00	220 K	
VsStat.exe	872	00	0:00:00	320 K	
Vshwin32.exe	888	00	0:00:02	8,752 K	
ttermpro.exe	1132	00	0:00:12	716 K	
taskmgr.exe	1744	00	0:00:00	1,360 K	
System Idle Proce	ss O	99	15:55:13	16 K	
System	8	00	0:00:48	24 K	
svchost.exe	604	00	0:00:00	2,500 K	
svchost.exe	464	00	0:00:00	1,624 K	
SshClient.exe	1452	00	0:00:03	2,172 K	
SshClient.exe	1100	00	0:00:53	3,884 K	
spsswin. End P	rocess	- 20	0:00:02	18,268 K	
spoolsv.	Vecces Tree	þo	0:00:05	2,872 K	
smss.exe End P	rocess free	þo	0:00:00	12 K	<u> </u>
Debu	9				End Process
Set P	riority	•			End Process
Set A	ffinity				
Dicesses: 44 CPU Usage: U% Mem Usage: 219096K / 1277368K				368K	

- 5. This window will come up. Click on the box by CPU 1 so that the check mark disappears. Then click OK. The second CPU is now turned off for SPSS.
- After you click OK, you will see a window like that by item number3. Click on the X in the upper right to close the window, or on the _ to minimize it. Do not click on "End Process" or it will end the SPSS program.

yWindows Task M	lanager			<u>_ ×</u>	
ile Options View	Help				
Applications Proces	ses Performanc	e			
Processor Aff	inity		×		
The Processor	Affinity setting co	ontrols which CPUs	the process will		
be allowed to	execute on.				
CPU 0	🔲 CPU 8	🗖 CPU 16	CPU 24		
' 🔽 CPU 1	🗖 CPU 9	🗖 CPU 17	🗖 CPU 25		
🗖 СРИ 2	🗖 CPU 10	🗖 CPU 18	🗖 CPU 26		
🛛 🗖 СРИ З	🗖 CPU 11	🗖 CPU 19	🗖 CPU 27		
📕 🗖 CPU 4	🗖 CPU 12	🗖 CPU 20	🗖 CPU 28		
🗖 СРИ 5	🔲 CPU 13	🗖 CPU 21	🗖 CPU 29		
🗖 CPU 6	🔲 CPU 14	🗖 CPU 22	🗖 CPU 30		
🗖 CPU 7	🗖 CPU 15	🔲 CPU 23	🗖 СРИ 31		
i		OK	Cancel		
smss.exe	200	00 0:00:00	12 K	_	
				End Process	
cesses: 44 CPU Usage: 1% Mem Usage: 218792K / 1277368K					