Subject: IDL & Memory Usage...
Posted by Randall Skelton on Tue, 03 Sep 2002 13:47:09 GMT

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Hi all,

Does anyone know how IDL 5.5a breaks up into smaller processes under
Linux? When I run top on my machine I see:

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2:37pm  up 12 days,  4:41, 10 users,  load average: 0.16, 0.12, 0.09
85 processes: 84 sleeping, 1 running, 0 zombie, 0 stopped
CPU0 states:  0.0% user,  2.2% system,  0.0% nice, 97.2% idle
CPU1 states:  0.0% user,  0.0% system,  0.0% nice, 100.0% idle
Mem:  3089264K av, 2238680K used,  850584K free,     196K shrd,  200332K buff
Swap: 6289320K av,   49024K used, 6240296K free            939340K cached

 PID USER  PRI NI SIZE RSS   SHARE STAT %CPU %MEM  TIME  COMMAND
 579 rhs   8  0  828M 828M  3912 S   0.0 27.4 74:11 idl
 583 rhs   9  0  828M 828M  3912 S   0.0 27.4  0:00 idl
 584 rhs   9  0  828M 828M  3912 S   0.0 27.4 15:46 idl
 585 rhs   9  0  828M 828M  3912 S   0.0 27.4  0:00 idl
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I only have one IDL session running, but 4 separate processes appear. It
also appears that each is consuming 828MB of RAM. Is this an attempt to
get around the 2.1GB address limit for 32-bit machines? I'll admit this
is a relatively large calculation but IDL cannot *REALLY* be taking 110%
of my memory resources ;)

Cheers,
Randall