Subject: Memory management by 5.4 on Sunblade
Posted by weitkamp on Mon, 17 Dec 2001 10:57:27 GMT

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Hi,

I'm mostly using IDL 5.4 on my laboratory's Linux86 cluster, and
running memory-critical simulation code on it which uses lots of large
temporary arrays.

Now they've bought a Sunblade as the first test machine of a future
cluster, and so I tried running my code on that one, using 5.4 as
before. That is,

IDL> print,!version
{ sparc sunos unix 5.4 Sep 25 2000   64   64}

However, I noticed that memory management by IDL 5.4 on the Sunblade
is extremely poor in that variable space "freed" by TEMPORARY, DELVAR,
or simply by dynamic resizing of a variable is not actually freed but
kept allocated (so tells me "top").

I wonder if this bug will persist with 5.5, which hasn't yet been
installed on any machine here. Has anybody else made any experience
with 5.4 or 5.5 on Sunblade in this context?

Timm