Subject: R. Frank's extproc call for windows dll's (actually an old subject)
Posted by darmstr on Fri, 22 Apr 2005 14:12:28 GMT

I'm trying to use Randall Frank's idltools to access a dll for the
Tektronix implementation of VXIpnp (see http://www.vxipnp.org/ or
http://www.tek.com/site/sw/detail/1,1059,3485,00.html) a subset of the
VXIpnp standard referred to as TekVISA. There are some
instrument/application specific details about this process that can
skipped for now, but in summary so far I'm having no luck, and IDL
continues to crash whenever I try "extproc_define()," however
"extproc_query" accesses the DLM no problem without crashing IDL. I've
tried testing the examples in the readme file using the msvcrt.dll and
user32.dll, and these also result in crashes of IDL. These tests are
done on a Tektronix version of Win2k that resides on the PC side of a
Tektronix TDS7154B oscilloscope. I realize this is a fairly specialized
application and it may be difficult for someone to provide guidence
here, but does anyone have any ideas why the example extproc_define()
calls lead to an IDL crash? I've programmed in IDl since about 1991,
but have essentially no experience with call_external, dll's, etc.

Thanks,

Darrell