
Subject: Re: DLMs & IRIX

Posted by [mallors](#) on Fri, 14 Apr 2000 07:00:00 GMT

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In article <38F74A43.CD541F69@ion.le.ac.uk>,

Nigel Wade <nmw@ion.le.ac.uk> writes:

> "Robert S. Mallozzi" wrote:

>>

>> Hi all,

>>

>> Does anyone have any experience using DLMs under

>> IRIX 6.5? I have a DLM that works fine under Linux,

>> but fails under IRIX. I then tried the IDL example

>> called "testmodule" that comes with the distribution,

>> and it fails with the same error under IRIX - the

>> DLM cannot be loaded:

>> [example cut]

>

> It's most likely the SGI ABI problem.

>

> IDL used to be a o32 binary, so any external code had to be built

> using the -o32 compiler flag. I cannot remember which version

> was the first to become N32, 5.1 was o32 and 5.2.1 is n32, but I

> don't know what 5.2 is.

>

> You can check by the command :

> file /usr/local/rsi/idl_5.2/bin/bin.sgi/idl

>

> If it is listed as ELF 32-bit MSB then you need to build the DLMs

> with the -o32 flag.

>

> All I had to change to build the testmodule DLM was to change the

> IRIX to IRIX64 in the Makefile. My default compiler options are

> abi=n32:isa=mips3:proc=r4k and this worked with IDL 5.2.1.

Thank you sir, that did it. IDL 5.2 is o32, so adding the -o32
flag to the compiler and linker did the trick.

-bob

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