
Subject: Re: converting VMS idl files to UNIX pwwave

Posted by [pan](#) on Thu, 09 Jul 1992 16:24:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <1992Jul7.101543.556@ualr.edu> ptfmley@acs.harding.edu writes:

> I have a data file that was created by an idl procedure on a VAX
> system. I need to read the data in a pwwave procedure on a
> UNIX system. The problem seems to be that the VAX uses records
> and has a header at the top of the file that explains the records

>

> My UNIX system merely reads the first byte with the assumption that
> this is the desired data. If you have done this before, I would
> appreciate any hits you could give. I need to remove the header,
> but I also need to know the record lengths. THANKS.

>

> *****

> * Paul Finley, Harding University, Searcy, AR

> *

> * PTFINLEY at ACS.HARDING.EDU

> * or

> * PFINLEY at SUN1.HU.EDU

> *****

I think VAX record file can be converted to stream (or unformatted) file using IDL on VAX. After the conversion, you can send it over to unix system then read it from unix IDL or PV-WAVE. However, one tricky problem here is that you may have to do byte-swapping on the conversion file (if integer format), or format-conversion (tricky too) if floating point format. Depends on the machine you are using (DEC5000 or IBM6000 and others), the floating point conversion will also be different. This sketches how I coped with this problem. Maybe there is another better approach.
