Subject: Re: Using .sav files outside of IDL
Posted by Rick Towler on Wed, 30 May 2007 00:48:41 GMT
View Forum Message <> Reply to Message

You'll most likely have to give up on having the structure definition
stored in this file. (I think) the best you will be able to do is stuff
the data into a file in a known order then read it out and construct
your structure on the other side. I recommend XDR because it is so
simple (although I haven't created XDR files in IDL and read them in
MATLAB so who knows what could crop up). There isn't built in support
for MATLAB but libraries are available. Here's one:

http://crppwww.epfl.ch/~moret/matlab/local.html

and there are others. Java based XDR libraries would be trivial to use too.

As someone mentioned, XML is an option is your structures aren't too
"heavy". There are a number of XML parsers on the MATLAB central file
exchange that will read an XML file into a structure but you would still
need to write a function in IDL that would write the XML file to their
specific formats. Probably easier to go the XDR route.

-Rick

skcllus@gmail.com wrote:
> Hello,
>
> I have two structures saved in an IDL .sav file. Do you guys know how
> I can import this data to MATLAB. When I try, it says that .sav file
> is a proprietary format. I have a few IDL procedures that play with
> the data, and I'd like to port them to MATLAB. If it's not possible,
> can you suggest how I should go about saving these structures to a
> format that MATLAB would be able to read (preferably I would like the
> form of the structures preserved so that I won't have to think up new
> code/logic). Should I write to a file? If so, what format should I
> use?
>
> So, how do I save my structure to a non-proprietary format?
>
> Thank you
>