Subject: Re: Issues with XQuartz 2.7.11 on macOS
Posted by Matt Haffner on Wed, 16 Nov 2016 16:10:10 GMT

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Helpful fix--thanks.

This also fixes the hard crash that some widgets are causing (e.g., Coyote routine error messages):

IDL> cgplot, indgen(100), /blah
% Compiled module: CGERRORMSG.
Warning: Fatal Error:
_XmGetDefaultDisplay cannot be used prior to VendorS.Initialize, returns NULL
Segmentation fault: 11

The detailed thread dumps (in ~/Library/Logs/DiagnosticReports/) did point to an interaction between libXt in the new X11 and libXm (Motif library) included with IDL.

Looks like it's a known problem now (as posted in another thread):

 http://www.harrisgeospatial.com/Support/HelpArticlesDetail/T
abId/219/ArtMID/900/ArticleID/14944/XQuartz-2710-is-Not-Comp
atible-with-ENVI-531-and-IDL-851.aspx

Their suggestion in that link to update the dylib load path in the "idl" start script works fine too. However, you'd also need to edit the "init" script inside of the /Contents/MacOS/ path if you use the IDE.

mh

On Friday, November 11, 2016 at 11:55:59 AM UTC-6, Mike Galloy wrote:
> Upgrading from XQuartz from 2.7.9 to 2.7.11 on macOS Sierra broke IDL
> widgets for me:
>
>   ~$ idl
>   IDL Version 8.5.1, Mac OS X (darwin x86_64 m64).
>   (c) 2015, Exelis Visual Information Solutions, Inc., a subsidiary
>   of Harris Corporation.
>
>   IDL> xloadct
>   Error: attempt to add non-widget child "dsm" to parent "idl" which
>   supports only widgets
>
> The fix that worked for me were the following two commands:
>
>   sudo mv /opt/X11/lib/libXt.6.dylib{,.bak}
>   sudo cp /opt/X11/lib{/flat_namespace,}/libXt.6.dylib
>

> [Downgrading] to 2.7.9 (but not 2.7.10) also worked for me.
>
>
> [Downgrading]: https://www.xquartz.org/releases/index.html "XQuartz -
> Releases"
>
> Mike
> --
> Michael Galloy
> www.michaelgalloy.com
> Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)