Subject: APW C 1.0B4 ...suggestions....anyone?
Posted by erolfi on Mon, 14 Jun 2021 08:56:55 GMT
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Hi,
I'm using 6502bench SourceGen to disassemble a program that was compiled with an unknown APW C version.
I'm relying on CiderPress disassembler capability to look into APW's CLIB because, being a library, it has no relocation information and most disassemblers that I've tried won't deal with it. (do you have any suggestions on that topic?)
Well, I'm trying to match CLIB function signatures inside my program, and I need to find out the exact version of the CLIB that was used to build it. I've had a partial success with the CLIB from APW C 1.0B7.
Now I'm searching for APW C version 1.0B4, and possibly earlier versions like 1.0B1 that was released, too.
Also, any other beta versions that you might offer would be highly appreciated.

Thank you

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by Anonymous on Tue, 15 Jun 2021 15:05:47 GMT
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Originally posted by: fadden

On Monday, June 14, 2021 at 1:56:57 AM UTC-7, Enrico wrote:
> I'm relying on CiderPress disassembler capability to look into APW's CLIB because, being a library, it has no relocation information and most disassemblers that I've tried won't deal with it. (do you have any suggestions on that topic?)

To disassemble a IIgs load file (S16, EXE, PIF, etc), one needs to replicate the system loader behavior. To disassemble a IIgs OBJ or LIB file, one also needs to replicate linker behavior. The SourceGen OMF converter only acts like a loader.

One thing you might try is to write a simple program that references every function in the library, compile and link it into an EXE, and disassemble that. A simple table of function pointers ought to cause the linker to pull in the functions. Assuming that works, then depending on how everything gets laid out in the binary, creating it as an array of {pointer, "name"} structs might help keep things straight while poking around.

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by kelvin on Tue, 15 Jun 2021 23:16:00 GMT
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You can use APW DumpObj or ORCA DumpObj or MPW DumpObjIIgs to disassemble

CLIB. The DumpObjii do a decent job for intermediate OMF object files
(because they're not yet relocated).

ProLine: kelvin@pro-kegs

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by erolfi on Fri, 18 Jun 2021 18:01:09 GMT
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Thank you for your suggestions, I'm going to try both and will let you know.

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by Antoine Vignau on Fri, 18 Jun 2021 18:45:58 GMT
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Hi Enrico,
files at http://www.brutaldeluxe.fr/apw/
Please share the disk image with the program you want to disassemble, I can help.
Cheers,
Antoine

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by erolfi on Fri, 18 Jun 2021 19:27:35 GMT
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Hello Antoine,

that page is giving me a 404

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by alchemist on Sat, 19 Jun 2021 06:30:53 GMT
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Le vendredi 18 juin 2021 à 21:27:37 UTC+2, Enrico a écrit :
> Hello Antoine,
>
> that page is giving me a 404

Correct link is :

http://www.brutaldeluxe.fr/public/apw/

Thank you so mutch Antoine :-()

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by Antoine Vignau on Sat, 19 Jun 2021 08:15:44 GMT
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Oops, yes, sorry, the link is http://www.brutaldeluxe.fr/public/apw/
av

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by erolfi on Fri, 25 Jun 2021 06:36:53 GMT
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Il giorno sabato 19 giugno 2021 alle 10:15:46 UTC+2 ntn.v...@gmail.com ha scritto:
> Oops, yes, sorry, the link is http://www.brutaldeluxe.fr/public/apw/
> av

Thank you, this is really useful. I can see a lot of updated versions in there. Unfortunately there's
no earlier version than 1.0B7 for APW C. I'm still looking for that, if anyone can help-..............

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by Anonymous on Fri, 25 Jun 2021 17:31:26 GMT
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Originally posted by: James Hall [VE3MYZ] FN25dj. 73

I see two possible solutions;

http://www.byteworks.us/Byte_Works/Morgue_files/CPW.img
I think this is a small-c version.

and the disk labeled ; "0298 APW - C - Workdisk, Exsamples.po" from the brutal deluxe archive.

This is the earliest C compiler i have seen for the IIGS. Pre-dates APW-C. Not sure why it's
labeled as APW-C.

The release notes mention it as the MegaMax C compiler. Was used as a ADTS pre-release
system inside apple before APW-C.
Byteworks APW-C is a totally different system.

Hope this helps.

---

james

On Thursday, June 24, 2021 at 11:36:54 p.m. UTC-7, Enrico wrote:
> Thank you, this is really useful. I can see a lot of updated versions in there. Unfortunately there's no earlier version than 1.0B7 for APW C. I'm still looking for that, if anyone can help-..............

Subject: Re: APW C 1.0B4 ...suggestions....anyone?
Posted by Anonymous on Fri, 25 Jun 2021 23:24:14 GMT
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Originally posted by: James Hall [VE3MYZ] FN25dj. 73

Taking a look at the files from Antoine,

D3_APWC1.0B7_19870414_ERR
     &
0127 APW - C-compiler

Both have Version 1.0 of CLIB.
D3_APWC1.0B7_19870414_ERR, Has significant CLIB differences to 0127 APW - C-compiler CLIB.

Some the other CLIB's are as you mention. v1.0.b8. Some i have not been able to get a version # on.

Hope this helps.