
Subject: : AmigaOS4

Topic: : GDB

Re: GDB

Author: : billyfish

Date: : 2021/2/23 17:57:45

URL:

Ok so after a few debugging printf () calls, the failing function is

fseeko64 ()

```
int
real_fseek (FILE *file, file_ptr offset, int whence)
{
#ifdef (HAVE_FSEEKO64)
printf ("using fseeko64n");
return fseeko64 (file, offset, whence);
#elif defined (HAVE_FSEEKO)
printf ("using fseekon");
return fseeko (file, offset, whence);
#else
printf ("using fseekn");
return fseek (file, offset, whence);
#endif
}
```

from bfd/bfdio.c:57

(gdb) file helloworld

file helloworld

0 calling bfd seek with Workspace:/helloworld with pos 0 (8) and direction 0 (4)

bfd_seek called with Workspace:/helloworld with pos 0 (8) and direction 0 (4)

bfd_seek called with Workspace:/helloworld with pos 0 (8) and direction 0 (4)

cache_bseek f not null with Workspace:/helloworld with pos 12060 (8) and direction 0 (4)

using fseeko64

real_fseek returned -1 with Workspac:/helloworld with pos 12060 (8) and direction 0 (4)

1: seeking Workspace:/helloworld with pos 12060 and direction 0 has result 89

4: seeking Workspace:/helloworld has error 29

returning Workspace:/helloworld : 89

"Workspace:/helloworld": not in executable format: Illegal seek

(gdb)

Reverting to the standard c versions by adding

```
#ifdef __amigaos4__  
#undef HAVE_FSEEKO64  
#undef HAVE_FSEEKO  
#undef HAVE_FTELLO64  
#undef HAVE_FTELLO  
#undef HAVE_FOPEN64  
#endif
```

to bfdio.c, we get

```
4.Workspace:> gdb-newlib  
GNU gdb (GDB) 7.5.1  
Copyright (C) 2012 Free Software Foundation, Inc.  
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>  
This is free software: you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law. Type "show copying"  
and "show warranty" for details.  
This GDB was configured as "ppc-amigaos".  
For bug reporting instructions, please see:  
<http://www.gnu.org/software/gdb/bugs/>.  
(gdb) file helloworld  
file helloworld  
0 calling bfd seek with Workspace:/helloworld with pos 0 (8) and direction 0 (4)  
bfd_seek called with Workspace:/helloworld with pos 0 (8) and direction 0 (4)  
bfd_seek called with Workspace:/helloworld with pos 0 (8) and direction 0 (4)  
cache_bseek f not null with Workspace:/helloworld with pos 12060 (8) and direction 0 (4)  
using fseek  
real_fseek returned 0 with Workspace:/helloworld with pos 12060 (8) and direction 0 (4)  
1: seeking Workspace:/helloworld with pos 12060 and direction 0 has result 88  
4: seeking Workspace:/helloworld has error 2  
returning Workspace:/helloworld : 88  
"Workspace:/helloworld": not in executable format: No such file or directory  
(gdb)
```

Which is a slight improvement and hopefully by setting

```
HAVE_FSEEKO64  
HAVE_FSEEKO  
HAVE_FTELLO64
```

HAVE_FTELLO
HAVE_FOPEN64

etc., correctly across the entire project we may be getting there as I'm hoping the later failure is due to other parts of the io code still using the "o64" function calls.