
Subject: : AmigaOS4

Topic: : GDB

Re: GDB

Author: : jabirulo

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URL:

(re)cloned billyfish gdb repo, did a full recompile and now at least works 😊

```
#SDK:C/gdb helloworld
```

```
_initialize_amigaos_nat
```

```
[New inferior 0]
```

```
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/>...
```

```
Reading symbols from /Devel/SDK/ejemplos/helloworld...done.
```

```
(gdb) list
```

```
list
```

```
target_memory_map ()
```

```
target_get_section_table ()
```

```
target_get_section_table () for exec
```

```
exec:target_xfer_partial (2, (null), 0x5b687498, 0x0, 0x10004d4, 4) = 4, bytes = 3d 20 01 00
```

```
target_get_section_table ()
```

```
target_get_section_table () for exec
```

```
exec:target_xfer_partial (2, (null), 0x5b687568, 0x0, 0x10004d4, 4) = 4, bytes = 3d 20 01 00
```

```
1 ;/*
```

```
2 ppc-amigaos-gcc helloworld.c -o helloworld -gstabs -Wall
```

```
3 quit
```

```
4 */
```

```
5
```

```
6 #include <stdio.h>
```

```
7
```

```
8 int main(void)
```

```
9 {
```

```
10 printf("asd\n");
```

```
(gdb)
```

the set "BREAK 10" and "R" and this is serial output:

```
<amigaos_can_run>
</amigaos_can_run>
<amigaos_can_run>
</amigaos_can_run>
<amigaos_create_inferior>
Shell Process: Creating inferior process: exec_file = /Devel/SDK/ejemplos/helloworld, args = , env = 0x5f9b4c80
, from_tty = 1
<AllocateDebugInfo>
</AllocateDebugInfo>
<Ux2DOS>
</Ux2DOS>
Shell Process: Getting elf handle for seglist 0x161efc05
[_impl_AddTask] Adding Task 0x59b74c70, /Devel/SDK/ejemplos/helloworld (0x5c069c90)
Shell Process: Process created: 0x59b74c70
Shell Process: Task: 0x59b74c70
Shell Process: Suspending Task
[_impl_SuspendTask] Suspending other task /Devel/SDK/ejemplos/helloworld
Shell Process: Adding debug hook from 0x59b74c70
Shell Process: Added debug hook for 0x59b74c70
Shell Process: amigaos target_pushed_count 0
Shell Process: pushing amigaos target
Shell Process: add_thread 1596148000 inf 0x5f9b4bf8
</amigaos_create_inferior>
<amigaos_terminal_ours>
Shell Process: terminal_ours is a STUB
</amigaos_terminal_ours>
<amigaos_fetch_registers>
Shell Process: inferior_ptid=0x5f234878
Shell Process: regno = 64 (pc)
Shell Process: context = 0x5f945038, sp = 0, pc = 0, lr = 0
</amigaos_fetch_registers>
<amigaos_has_execution>
</amigaos_has_execution>
<amigaos_has_registers>
</amigaos_has_registers>
<amigaos_has_stack>
</amigaos_has_stack>
<amigaos_has_memory>
</amigaos_has_memory>
<amigaos_has_registers>
</amigaos_has_registers>
<amigaos_has_stack>
</amigaos_has_stack>
<amigaos_has_memory>
</amigaos_has_memory>
<amigaos_deprecated_xfer_memory>
Shell Process: amigaos_xfer_memory(memaddr = 0x10004d4, myaddr = 0x5f234308, len = 4, write = 0, attrib =
0x0, target = 0x5f92fab0)
</amigaos_deprecated_xfer_memory>
<amigaos_has_registers>
</amigaos_has_registers>
```

```
<amigaos_has_stack>
</amigaos_has_stack>
<amigaos_has_memory>
</amigaos_has_memory>
<amigaos_has_registers>
</amigaos_has_registers>
<amigaos_has_stack>
</amigaos_has_stack>
<amigaos_has_memory>
</amigaos_has_memory>
<amigaos_has_registers>
</amigaos_has_registers>
<amigaos_has_stack>
</amigaos_has_stack>
<amigaos_has_memory>
</amigaos_has_memory>
<amigaos_memory_insert_breakpoint>
Shell Process: Trying to insert breakpoint at 0x10004d4
Shell Process: bp_len is 4
<DoBreakpoint>
Shell Process:
current_mem_attr 1024 address_p 0x10004d4 real_address_p 0x10004d4 bp_data_p 0x5f99f078 (0)
Shell Process: writing 188854272 to bp_data_p 0x5f99f078 (0) meth_start 0x7fe00008
</DoBreakpoint>
</amigaos_memory_insert_breakpoint>
<amigaos_has_registers>
</amigaos_has_registers>
<amigaos_has_stack>
</amigaos_has_stack>
<amigaos_has_memory>
</amigaos_has_memory>
<amigaos_can_run>
</amigaos_can_run>
<amigaos_resume>
Shell Process: amigaos_resume: restarting 0x59b74c70
</amigaos_resume>
[_impl_OpenLibrary] Calling DebuggerHook for /Devel/SDK/ejemplos/helloworld
<amigaos_debug_callback>
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback task_p 0x59b74c70 (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: Received DBHMT_OPENLIB (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback returning 0
</amigaos_debug_callback>
[_impl_OpenLibrary] Calling DebuggerHook for /Devel/SDK/ejemplos/helloworld
<amigaos_debug_callback>
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback task_p 0x59b74c70 (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: Received DBHMT_OPENLIB (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback returning 0
</amigaos_debug_callback>
<amigaos_can_run>
</amigaos_can_run>
[_impl_CloseLibrary] Calling DebuggerHook for /Devel/SDK/ejemplos/helloworld
```

```
<amigaos_debug_callback>
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback task_p 0x59b74c70 (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: Received DBHMT_CLOSELIB (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback returning 0
</amigaos_debug_callback>
[_impl_CloseLibrary] Calling DebuggerHook for /Devel/SDK/ejemplos/helloworld
<amigaos_debug_callback>
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback task_p 0x59b74c70 (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: Received DBHMT_CLOSELIB (process=0x59b74c70)
/Devel/SDK/ejemplos/helloworld: amigaos_debug_callback returning 0
</amigaos_debug_callback>
[_impl_RemTask] Removing 0x59b74c70 (self) = /Devel/SDK/ejemplos/helloworld
<amigaos_debug_callback>
reaper.task: amigaos_debug_callback task_p 0x59b74c70 (process=0x59b74c70)
reaper.task: Recieved DBHMT_REMTASK (process=0x59b74c70)
reaper.task: amigaos_debug_callback returning 0
</amigaos_debug_callback>
<amigaos_wait>
Shell Process: wait ptid = 0x59b74c70 (ffffff), status = 0x5f234888, kind 0
<is_process_alive>
</is_process_alive>
Shell Process: Target has exited
</amigaos_wait>
<amigaos_terminal_ours>
Shell Process: terminal_ours is a STUB
</amigaos_terminal_ours>
<amigaos_kill_inferior>
<is_process_alive>
</is_process_alive>
Shell Process: Not Removing debug hook from IDebug 0x6ff9e000, 0x59b74c70 as process isn't alive
Shell Process: Killing 0x59b74c70
<FreeDebugInfo>
<is_process_alive>
</is_process_alive>
</FreeDebugInfo>
Shell Process: unpush target
</amigaos_kill_inferior>
[_impl_AddTask] Adding Task 0x5fed2e50, windowfade.task (0x1f411d4)
[_impl_AddTask] Adding Task 0x587ca660, windowfade.task (0x1f411d4)
[_impl_RemTask] Removing 0x5fed2e50 (self) = windowfade.task
[_impl_RemTask] Removing 0x587ca660 (self) = windowfade.task
....
```