
Subject: : AmigaOS4

Topic: : GDB

Re: GDB

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URL:

@kas1e

Added few `printfs`, and:

- 1). `for` first we never go inside of the `for (t = current_target.beneath; t != NULL; t = t->beneath)` loop.
- 2). when we "`fallback`", `inf` is `NULL` too.

Ok here's what I've found so far. The inferior created by `amigaos_create_inferior ()` is never added to the inferior list in `inferior.c`. If I add

```
add_inferior ((int) debug_data.current_process);
```

then it gets added to the list and

```
inf = find_inferior_pid (pid);
```

on `target.c:3249` now finds the inferior but it has `aspace = NULL`.

So `add_inferior ()` isn't enough to get the `aspace` and `pspace` parts of the resulting inferior set up.

Changing the added code to

```
inf_p = add_inferior_with_spaces ();  
  
if (inf_p)  
{  
    inf_p -> pid = (int) debug_data.current_process;  
}
```

seems a bit hacky but then gdb runs all the way through without crashing but not with its functionality all working.

Now `add_inferior_with_spaces ()` adds a new address space rather than all of the gdb inferiors sharing a single address space which is because `gdbarch_has_shared_address_space()` returns 0.

So does OS4 have a shared address space? If so we can call `set_gdbarch_has_shared_address_space()` and may get further.

Otherwise we need to set up the inferior with the correct aspace, pspace values, etc.