Subject: Re: GDB_MI2 debugger fixes
Posted by Oblivion on Mon, 10 Feb 2014 00:38:45 GMT

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Hello Massimo,

I dug through the TheIDE's code and found the main reason behind the two problems I've mentioned above.
Both problems seem to be a result of a localization/internationalization issue.

You see, My upp dir is under a directory which has some Turkish letters in its name. Both Gdb_MI2::SyncIde() and Gdb_MI2::SyncDisas() methods call the MICmd() method to fill MIValue structures, which seem to have a "file" (tuple?) member in it. But calling the MICmd() method returns a file path and if that path has non-ascii characters, it converts them to a number value (utf or unicode?).

Please find the attached screenshot, which I believe can explain the problem better. In the screenshot, as you will see, because the path doesn't actually exist (the path should not be ".../Geli305237tirme/Ultimate++/...", theide does not call disas.Add().

If I move the Ultimate++ directory under, say, /home/user/ directory everything works fine.

Shouldn't these "localized path" issues be taken care of by theide? Or is this a GDB issue?

(After more investigation: It seems that this is a gdb issue. Gdb uses the numeric representations of non-ascii characters in paths.)

Regards.

File Attachments
1) screenshot.jpg, downloaded 396 times