Subject: patch Gdb_MI parser
Posted by omari on Tue, 24 Mar 2015 16:12:30 GMT
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Hi,
I am playing with gdb MI, with the command "file-list-exec-source-files"
and i found that, gdb split the output, 1024 character per line.
if a line has more than 1024 character, gdb insert an "\n" and continue in the next line.

here a part of the output:

^done,files=[{file="../../../../../src/gcc-4.9.2/libgcc/libgcc2.c",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/libgcc2.c"},{file="../../../../../src/gcc-4.9.2/libgcc/../libgcc/config/i386/shmem-win32.c",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/../libgcc/config/i386/shmem-win32.c"},{file="../../../../../src/gcc-4.9.2/libgcc/libgcc2.c",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/libgcc2.c"},{file="../../../../../src/gcc-4.9.2/libgcc/libgcc2.c",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/libgcc2.c"},{file="../../../../../src/gcc-4.9.2/libgcc/libgcc2.c",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/libgcc2.c"},{file="../../../../../src/gcc-4.9.2/libgcc/config/i386/cygwin.S",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/config/i386/cygwin.S"},{file="../../../../../src/gcc-4.9.2/libgcc/unwind.inc",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/unwind.inc"},{file="./gthr-default.h",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/./gthr-default.h"},{file="../../../../../src/gcc-4.9.2/libgcc/unwind-sjlj.c",fullname="C:\\crossdev\\gccmaster\\build-tdm32\\gcc\\mingw32\\libgcc/../../../../../src/gcc-4.9.2/libgcc/unwind-sjlj.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_xclass.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_xclass.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_version.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_version.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_valid_utf8.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_valid_utf8.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_try_flipped.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_try_flipped.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_study.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_study.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_refcount.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_refcount.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_ord2utf8.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_ord2utf8.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_newline.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_newline.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_maketables.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_maketables.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_info.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_info.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_get.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_get.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_fullinfo.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_fullinfo.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_exec.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\
pcre_exec.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_dfa_exec.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_dfa_exec.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_config.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_config.c"},{file="C:/upp/uppsrc/plugin/pcre/lib/pcre_compile.c",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib\\pcre_compile.c"},{file="C:/upp/uppsrc/plugin/pcre/lib.cpp",fullname="C:\\upp\\uppsrc\\plugin\\pcre\\lib.cpp"},{file="C:/upp/uppsrc/Core/Defs.h",fullname="C:\\

upp\\uppsrc\\Core\\Defs.h"},{file="C:/upp/uppsrc/Core/Cbgen.h",fullname="C:\\upp\\uppsrc\\Core\\Cbgen.h"},{file="C:/upp/uppsrc/Core/Vcont.hpp",fullname="C:\\upp\\uppsrc\\Core\\Vcont.hpp"},{file="C:/upp/uppsrc/Core/Vcont.h",fullname="C:\\upp\\uppsrc\\Core\\Vcont.h"},{file="C:/upp/uppsrc/Core/Value.hpp",fullname="C:\\upp\\uppsrc\\Core\\Value.hpp"},{file="C:/upp/uppsrc/Core/AString.hpp",fullname="C:\\upp\\uppsrc\\Core\\AString.hpp"},{file="C:/upp/uppsrc/Core/Format.h",fullname="C:\\upp\\uppsrc\\Core\\Format.h"},{file="
...
...
...
(gdb)

then i propose this patch:

in function Gdb_MI2::ParseGdb
file Gdb_MI2Gdb.cpp
line 51:

```
  String s = TrimBoth(ss.GetLine());
```

to be replaced by:

```
  String s;
  String str = ss.GetLine();
  s = str;
  while(str.GetCount() == 1024 && !ss.IsEof())
  {
   str = ss.GetLine();
   s << str;
  }

  s = TrimBoth(s);
```

best regards
omari.