Subject: [BUG?] MIValue
Posted by omari on Tue, 24 Mar 2015 16:54:35 GMT
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Hi,

i have added same RLOGs :

Gdb_MI2.cpp,lines 1764 and 1773:

```
 RLOG(">>>==========================================");

 MICmd("gdb-set disassembly-flavor intel");
 MICmd("gdb-set exec-done-display off");
 MICmd("gdb-set annotate 1");
 MICmd("gdb-set height 0");
 MICmd("gdb-set width 0");
 MICmd("gdb-set confirm off");
 MICmd("gdb-set print asm-demangle");
 RLOG("<<<==========================================");
```

MIValue.cpp, line 457: RLOG(string);

MIValue.cpp, line 536: RLOG("String &MIValue::Get(void)");

output :

```
>>>==========================================
String &MIValue::Get(void)
String &MIValue::Get(void)
error:Not a String value type
String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
error:Not a String value type
String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
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String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
error:Not a String value type
String &MIValue::Get(void)
```

String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
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String &MIValue::Get(void)
String &MIValue::Get(void)
String &MIValue::Get(void)
error:Not a String value type
String &MIValue::Get(void)
String &MIValue::Get(void)
<<<==

Question :

Why "String &MIValue::Get(void)" is called ?

Subject: Re: [BUG?] MIValue
Posted by omari on Tue, 24 Mar 2015 17:56:03 GMT
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this patch resolve this issu:

file Gdb_MI2Gdb.cpp

1 - MIValue Gdb_MI2::ParseGdb(String const &output, bool wait)
replace :

```
 return res;
```

by

```
 return pick(res);
```

2 - MIValue Gdb_MI2::ReadGdb(bool wait)

replace

```
 return ParseGdb(output);
```

by

```
 return pick(ParseGdb(output));
```

3 - MIValue Gdb_MI2::MICmd(const char *cmdLine)
replace
 res = ReadGdb();
by
 res = pick(ReadGdb());

and
 return res;
by
 return pick(res);

with this patch, the output of RLOG is:

>>>==
<<<==

then "String &MIValue::Get(void)" is not called.

but still an issue:

MIValue v = MICmd("file-list-exec-source-files"); with that , v equal to "error:Not a String value type"

MIValue& v = MICmd("file-list-exec-source-files"); using reference, v get the good value.

Subject: Re: [BUG?] MIValue
Posted by omari on Wed, 25 Mar 2015 09:52:33 GMT
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Hi,

Here is a simple test case, which highlighted the problem (attachment)

MIValue GetTuple()
{
 MIValue r;
 r.Add("a", "b");
 return r;
}

CONSOLE_APP_MAIN

```
{

 MIValue v =  GetTuple();

 DUMP(v.Get("a"));
}
```

the output is:

```
String &MIValue::Get(void)
error:Not a String value type
String &MIValue::Get(void)
String &MIValue::Get(void)
error:Not a Tuple value type
v.Get("a") = error:Not a Tuple value type
```

File Attachments

1) MIValueTest.7z, downloaded 423 times

Subject: Re: [BUG?] MIValue
Posted by mdelfede on Wed, 25 Mar 2015 11:35:52 GMT
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Hi, I run yout testcase both in linux and in windows, and all what I got is

```
*  c:\users\massimo\sources\upp-svn\out\MyApps_Bazaar\MINGW.Deb
ug.Debug_Full.Sse2\MiValueTest.exe 25.03.2015 12:32:29, user: Massimo

v.Get("a") = b
```

so the correct result.
Is it possible that you've got some patches somewhere in your three ?

Subject: Re: [BUG?] MIValue
Posted by omari on Wed, 25 Mar 2015 15:27:34 GMT
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Hi, thank you for the test,
sorry, I did not put my setup:
the problem appears with the following configuration:

MSC10 WinXP 32bit, the latest version Upp 8296

with MinGW, it is OK.

Subject: Re: [BUG?] MIValue
Posted by omari on Tue, 31 Mar 2015 10:52:27 GMT
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bug catched:

replacing rval_ by const rval_ in

```
MIValue(MIValue  rval_ v);
MIValue &operator=(MIValue  rval_ v);
```

=>

```
MIValue(MIValue const rval_ v);
MIValue &operator=(MIValue  const rval_ v);
```

rsolve the probleme with COMPILER_MSC, but create one with others compilers

the origin of the probleme is in Core/Defs.h:

```
#ifdef COMPILER_MSC
#define pick_
#define rval_ &
#else
#define pick_ const
#define rval_ const &
#endif
```

Why this difference between COMPILER_MSC and others ?

Subject: Re: [BUG?] MIValue
Posted by omari on Thu, 02 Apr 2015 08:15:24 GMT
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discussion continues in another thread : http://
www.ultimatepp.org/forums/index.php?t=msg&goto=44571&amp ;#msg_44571