
Subject: [BUG?] MValue

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("<<<=====");
```

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

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

output :

```
>>>=====
```

```
String &MValue::Get(void)
```

```
String &MValue::Get(void)
```

```
error:Not a String value type
```

```
String &MValue::Get(void)
```

```
String &MValue::Get(void)
```

```
String &MValue::Get(void)
```

```
String &MValue::Get(void)
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error:Not a String value type
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error:Not a String value type
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String &MValue::Get(void)
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```
String &MValue::Get(void)
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```
error:Not a String value type
```

```
String &MValue::Get(void)
```

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

Question :

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

Subject: Re: [BUG?] MValue
 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 - MValue Gdb_MI2::ParseGdb(String const &output, bool wait)
 replace :

```
return res;
```

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

2 - MValue Gdb_MI2::ReadGdb(bool wait)

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

```
3 - MValue 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 &MValue::Get(void)" is not called.

but still an issue:

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

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

Subject: Re: [BUG?] MValue
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)

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

CONSOLE_APP_MAIN

```
{  
  
    MValue v = GetTuple();  
  
    DUMP(v.Get("a"));  
}
```

the output is:

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

File Attachments

1) [MValueTest.7z](#), downloaded 219 times

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

```
* c:\users\massimo\sources\lupp-svn\out\MyApps_Bazaar\MINGW.Debug.Debug_Full.Sse2\MValueTest.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 tree ?

Subject: Re: [BUG?] MValue
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?] MValue

Posted by [omari](#) on Tue, 31 Mar 2015 10:52:27 GMT

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bug caught:

replacing rval_ by const rval_ in

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

=>

```
MValue(MValue const rval_ v);  
MValue &operator=(MValue 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?] MValue
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&#msg_44571
