
Subject: Re: ide: Assist parsing now parallel and some of it background

Posted by [Novo](#) on Tue, 23 Jun 2020 17:56:20 GMT

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Novo wrote on Tue, 23 June 2020 13:43mirek wrote on Tue, 23 June 2020 09:17

How about now?

uninitialised value is gone.

I do not see Upp::ConditionVariable::Broadcast() problem anymore.

Almost all complains of DRD are related to Upp::Ctrl::Create(Upp::Ctrl*, bool) -->

g_task_run_in_thread() now.

I guess this issue can be ignored.

Thanks.

Actually, these messages look similar to what ThreadSanitizer is reporting:

WARNING: ThreadSanitizer: data race (pid=1166000)

Write of size 8 at 0x7b1800026040 by main thread (mutexes: write M538):

```
#0 free <null> (ide+0x442cc8)
#1 <null> <null> (libglib-2.0.so.0+0x4e991)
#2 Upp::Ctrl::Create(Upp::Ctrl*, bool)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/GtkCreate.cpp:74:2 (ide+0x139755a)
#3 Upp::TopWindow::Open(Upp::Ctrl*)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/GtkTop.cpp:129:2 (ide+0x139d035)
#4 Upp::TopWindow::Open()
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/GtkTop.cpp:149:2 (ide+0x1387182)
#5 SelectPackageDlg::Load(Upp::String const&)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/SelectPkg.cpp:681:4 (ide+0x4dbe7d)
#6 SelectPackageDlg::OnBase()
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/SelectPkg.cpp:360:3 (ide+0x4dfbdd)
#7 Upp::CallbackN<> Upp::callback<SelectPackageDlg,
SelectPackageDlg>(SelectPackageDlg*, void (SelectPackageDlg::*):()'::lambda'():operator()()
const /home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/CallbackNP.i:38:36 (ide+0x6d2b40)
#8 Upp::Function<void ()>::Wrapper<Upp::CallbackN<> Upp::callback<SelectPackageDlg,
SelectPackageDlg>(SelectPackageDlg*, void (SelectPackageDlg::*):()'::lambda'())>::Execute()
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Function.h:17:50 (ide+0x6d29af)
#9 Upp::Function<void ()>::operator()() const
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Function.h:76:65 (ide+0x635e5b)
#10 Upp::ArrayCtrl::SetCursor0(int, bool)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlLib/ArrayCtrl.cpp:1429:3 (ide+0x993bca)
#11 Upp::ArrayCtrl::SetCursor(int)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlLib/ArrayCtrl.cpp:1449:9 (ide+0x98e059)
#12 Upp::ArrayCtrl::FindSetCursor(Upp::Value const&, int, int)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlLib/ArrayCtrl.cpp:2410:6 (ide+0x9a80f1)
#13 SelectPackageDlg::SyncBase(Upp::String)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/SelectPkg.cpp:699:11 (ide+0x4e1fd1)
#14 SelectPackageDlg::Run(Upp::String)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/SelectPkg.cpp:311:3 (ide+0x4e18d2)
#15 SelectPackage(char const*, char const*, bool, bool)
```

```
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/SelectPkg.cpp:724:17 (ide+0x4e63b5)
  #16 Ide::OpenMainPackage() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/ide.cpp:157:13
(ide+0x520147)
  #17 GuiMainFn_() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/main.cpp:306:20
(ide+0x5c7190)
  #18 Upp::AppExecute__(void (*)())
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/App.cpp:442:3 (ide+0xc71a85)
  #19 main /home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/main.cpp:120:1 (ide+0x5c57dc)
```

Previous write of size 8 at 0x7b1800026040 by thread T21:

```
#0 calloc <null> (ide+0x4428f0)
#1 g_malloc0 <null> (libglib-2.0.so.0+0x57d30)
```

Mutex M538 (0x0000027ca0c8) created at:

```
#0 pthread_mutex_init <null> (ide+0x4454bd)
#1 Upp::Mutex::Mutex() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Mt.cpp:601:2
(ide+0xc506ac)
#2 Upp::StaticPrimitive_<Upp::Mutex>::Initialize()
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Mt.h:313:46 (ide+0x8b63da)
#3 Upp::StaticPrimitive_<Upp::Mutex>::Get()
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Mt.h:316:38 (ide+0x8b6317)
#4 Upp::StaticMutex::Enter() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Mt.h:323:31
(ide+0x8b02c8)
#5 Upp::EnterGuiMutex() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/CtrlMt.cpp:15:10
(ide+0x1350079)
#6 Upp::GuiLock::GuiLock() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/CtrlCore.h:66:15
(ide+0x8709c4)
#7 Upp::Ctrl::InstallKeyHook(bool (*)(Upp::Ctrl*, unsigned int, int))
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/Ctrl.cpp:712:10 (ide+0x135b6a1)
#8 Upp::s__sF29_328_fn() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlLib/MenuBar.cpp:330:2
(ide+0xa0ffca)
#9 Upp::Callinit::Callinit(void (*)(), char const*, int)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/Defs.h:86:83 (ide+0x627646)
#10 __cxx_global_var_init.119
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlLib/MenuBar.cpp:328:1 (ide+0x42d0f9)
#11 _GLOBAL__sub_I_CtrlLib_bltz.cpp
/home/ssg/dvlp/cpp/code/upp/out/uppsrc/CtrlLib/CLANGcpp17tsan.Debug.Debug_Full.Gui.Shared
.Usemalloc/CtrlLib$bltz.cpp (ide+0x42de3b)
#12 __libc_csu_init <null> (ide+0x15cbddc)
```

Thread T21 'pool-ide' (tid=1166023, running) created by main thread at:

```
#0 pthread_create <null> (ide+0x443f3b)
#1 <null> <null> (libglib-2.0.so.0+0x9f11a)
#2 Upp::Ctrl::PopUp(Upp::Ctrl*, bool, bool, bool, bool)
/home/ssg/dvlp/cpp/code/upp/git/uppsrc/CtrlCore/GtkCreate.cpp:153:2 (ide+0x1398e23)
#3 ShowSplash() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/About.cpp:109:23
(ide+0x5936c5)
#4 GuiMainFn_() /home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/main.cpp:282:4 (ide+0x5c6f7d)
```

```
#5 Upp::AppExecute__(void (*)()) /home/ssg/dvlp/cpp/code/upp/git/uppsrc/Core/App.cpp:442:3  
(ide+0xc71a85)  
#6 main /home/ssg/dvlp/cpp/code/upp/git/uppsrc/ide/main.cpp:120:1 (ide+0x5c57dc)
```

In this case it is Thread T21 'pool-ide' and Upp::Ctrl::Create(Upp::Ctrl*, bool) again ...
