

## QGIS Application - Bug report #18530

### Removing project item from Welcome screen crashes QGIS

2018-03-24 10:02 AM - Richard Duivenvoorde

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Project Loading/Saving	
<b>Affected QGIS version:</b> 3.1(master)	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 26418

#### Description

Having a very recent master version of QGIS: 4c4e8ac18a

Only having one (valid) project in the Recent project welcome screen.

Removing that one project (immediatly after opening QGIS) QGIS crashes.

Looks like #18118

But not sure if it is the same.

This is the stacktrace:

```
../src/app/qgisapp.cpp: 1322: (QgisApp) [0ms] - qgisapp/startup/New project - 0.129
../src/core/qgsscalecalculator.cpp: 129: (calculateGeographicDistance) [1ms] Distance across map extent (m): 774097
../src/core/qgsscalecalculator.cpp: 86: (calculate) [0ms] scale = 2.98543e+7 conversionFactor = 39.3701
../src/core/geometry/qgsrectangle.cpp: 350: (toString) [0ms] Extents : -1.0000000000000000,-1.0000000000000000 :
1.0000000000000000,1.0000000000000000
../src/core/qgscoordinatetransform_p.cpp: 210: (initialize) [958ms] Source/Dest CRS not equal, shortcircuit is not set.
Fatal: ASSERT failure in QList<T>::at: "index out of range", file /usr/include/x86_64-linux-gnu/qt5/QtCore/qlist.h, line 541
QGIS died on signal -1[New LWP 7192]
[New LWP 7193]
[New LWP 7201]
[New LWP 7202]
[New LWP 7255]
[New LWP 7432]
[New LWP 7461]
[New LWP 7618]
[New LWP 7746]
[New LWP 7747]
[New LWP 7749]
[New LWP 7750]
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
0x00007f9928166122 in __GI___waitpid (pid=7847, stat_loc=0x7ffc13143ee4, options=0) at
../sysdeps/unix/sysv/linux/waitpid.c:30
30 ../sysdeps/unix/sysv/linux/waitpid.c: No such file or directory.
[Current thread is 1 (Thread 0x7f9936a95380 (LWP 7174))]
#0 0x00007f9928166122 in __GI___waitpid (pid=7847, stat_loc=0x7ffc13143ee4, options=0) at
../sysdeps/unix/sysv/linux/waitpid.c:30
```



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/lib/x86_64-linux-gnu/libQt5Widgets.so.5
No symbol table info available.
#18 0x00007f992e2fa4ef in QWidget::setFocus(Qt::FocusReason) () from /lib/x86_64-linux-gnu/libQt5Widgets.so.5
No symbol table info available.
#19 0x00007f992e2c6f4b in QApplication::setActiveWindow(QWidget*) () from /lib/x86_64-linux-gnu/libQt5Widgets.so.5
No symbol table info available.
#20 0x00007f992e2c7043 in QApplicationPrivate::notifyActiveWindowChange(QWindow*) () from
/lib/x86_64-linux-gnu/libQt5Widgets.so.5
No symbol table info available.
#21 0x00007f9929b4daf5 in
QGuiApplicationPrivate::processActivatedEvent(QWindowSystemInterfacePrivate::ActivatedWindowEvent*) () from
/lib/x86_64-linux-gnu/libQt5Gui.so.5
No symbol table info available.
#22 0x00007f9929b4dd4d in
QGuiApplicationPrivate::processWindowSystemEvent(QWindowSystemInterfacePrivate::WindowSystemEvent*) () from
/lib/x86_64-linux-gnu/libQt5Gui.so.5
No symbol table info available.
#23 0x00007f9929b25cab in QWindowSystemInterface::sendWindowSystemEvents(QFlags<QEventLoop::ProcessEventsFlag>)
() from /lib/x86_64-linux-gnu/libQt5Gui.so.5
No symbol table info available.
#24 0x00007f990f3face0 in ?? () from /lib/x86_64-linux-gnu/libQt5XcbQpa.so.5
No symbol table info available.
#25 0x00007f99237b8287 in g_main_context_dispatch () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#26 0x00007f99237b84c0 in ?? () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#27 0x00007f99237b854c in g_main_context_iteration () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#28 0x00007f99292b80ef in QEventDispatcherGlib::processEvents(QFlags<QEventLoop::ProcessEventsFlag>) () from
/lib/x86_64-linux-gnu/libQt5Core.so.5
No symbol table info available.
#29 0x00007f992925d2aa in QEventLoop::exec(QFlags<QEventLoop::ProcessEventsFlag>) () from
/lib/x86_64-linux-gnu/libQt5Core.so.5
No symbol table info available.
#30 0x00007f9929266214 in QCoreApplication::exec() () from /lib/x86_64-linux-gnu/libQt5Core.so.5
No symbol table info available.
#31 0x000055c5152169f4 in main (argc=1, argv=0x7ffc13146038) at ../src/app/main.cpp:1436
    profile = 0x55c516e67690
    presetStyle = {static null = {<No data fields>}, d = 0x55c517039e00}
    globalSettings = 0x55c516f631b0
    rootProfileFolder = {static null = {<No data fields>}, d = 0x55c516f3a770}
    myLocaleOverrideFlag = false
    qgistor = <incomplete type>
    w = 600
    mySplashPath = {static null = {<No data fields>}, d = 0x7f993323db40
<QgsApplication::splashPath():{lambda}#1)::operator()() const::qstring_literal>}
    h = 300
    mypSplash = 0x55c5172d32a0
    qgis = 0x55c517199b00
    retval = 1088
    manager = {<QObject> = {<No data fields>}, static staticMetaObject = {d = {superdata = 0x7f99296b0bc0
<QObject::staticMetaObject>, stringdata = 0x7f99333399c0 <qt_meta_stringdata_QgsUserProfileManager>, data =
0x7f9933339a40 <qt_meta_data_QgsUserProfileManager>, static_metacall = 0x7f99331d6c42

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<QgsUserProfileManager::qt_static_metacall(QObject*, QMetaObject::Call, int, void**)>, relatedMetaObjects = 0x0, extradata =
0x0}}, mWatchProfiles = false, mWatcher = std::unique_ptr<QFileSystemWatcher> = {get() = 0x0}, mRootProfilePath = {static null
= {<No data fields>}, d = 0x55c516f3a770}, mUserProfile = std::unique_ptr<QgsUserProfile> = {get() = 0x0}, mSettings =
std::unique_ptr<QSettings> = {get() = 0x55c516f631b0}}
    profileFolder = {static null = {<No data fields>}, d = 0x55c516ee3a70}
    settings = {<QObject> = {<No data fields>}, static staticMetaObject = {d = {superdata = 0x7f99296b0bc0
<QObject::staticMetaObject>, stringdata = 0x7f993332b7e0 <qt_meta_stringdata_QgsSettings>, data = 0x7f993332b820
<qt_meta_data_QgsSettings>, static_metacall = 0x7f99331c376a <QgsSettings::qt_static_metacall(QObject*,
QMetaObject::Call, int, void**)>, relatedMetaObjects = 0x0, extradata = 0x0}}, static sGlobalSettingsPath = {static null = {<No
data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}, mUserSettings = 0x55c516e67690, mGlobalSettings = 0x0,
mUsingGlobalArray = false}
    mySettings = {<QObject> = {<No data fields>}, static staticMetaObject = {d = {superdata = 0x7f99296b0bc0
<QObject::staticMetaObject>, stringdata = 0x7f993332b7e0 <qt_meta_stringdata_QgsSettings>, data = 0x7f993332b820
<qt_meta_data_QgsSettings>, static_metacall = 0x7f99331c376a <QgsSettings::qt_static_metacall(QObject*,
QMetaObject::Call, int, void**)>, relatedMetaObjects = 0x0, extradata = 0x0}}, static sGlobalSettingsPath = {static null = {<No
data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}, mUserSettings = 0x55c516f89cf0, mGlobalSettings = 0x0,
mUsingGlobalArray = false}
    systemEnvVars = {d = 0x55c516f75b90}
    activeStyleName = {static null = {<No data fields>}, d = 0x55c5171a8cc0}
    i18nPath = {static null = {<No data fields>}, d = 0x55c5171fc790}
    myUserLocale = {static null = {<No data fields>}, d = 0x55c517301890}
    qttor = <incomplete type>
    customizationsettings = 0x55c516fa9900
    useCustomVars = false
    myPixmap = <incomplete type>
    __FUNCTION__ = "main"
    mySnapshotFileName = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    configLocalStorageLocation = {static null = {<No data fields>}, d = 0x55c516f5f000}
    profileName = {static null = {<No data fields>}, d = 0x55c516f5f150}
    mySnapshotWidth = 800
    mySnapshotHeight = 600
    myHideSplash = false
    mySettingsMigrationForce = false
    mySkipVersionCheck = false
    myRestoreDefaultWindowState = false
    myRestorePlugins = true
    myCustomization = true
    dxfOutputFile = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    dxfSymbologyMode = QgsDxfExport::SymbolLayerSymbology
    dxfScale = 50000
    dxfEncoding = {static null = {<No data fields>}, d = 0x55c51521eb40 <main::{lambda}#1::operator()()
const::qstring_literal>}
    dxfMapTheme = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    dxfExtent = {mXmin = 0, mYmin = 0, mXmax = 0, mYmax = 0}
    myInitialExtent = {static null = {<No data fields>}, d = 0x55c51521eb80 <main::{lambda}#2::operator()()
const::qstring_literal>}
    myTranslationCode = {static null = {<No data fields>}, d = 0x55c5172d4e30}
    configpath = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    authdbdirectory = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    pythonfile = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    customizationfile = {static null = {<No data fields>}, d = 0x55c517045000}
    globalsettingsfile = {static null = {<No data fields>}, d = 0x7f992930b9e0 <QArrayData::shared_null>}
    args = {<QList<QString>> = {<QListSpecialMethods<QString>> = {<No data fields>}, {p = {static shared_null = {ref = {atomic

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= {_q_value = {<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data fields>}}, alloc = 0, begin = 0, end =
0, array = {0x0}}, d = 0x55c516e18800}, d = 0x55c516e18800}, <No data fields>}
    myUseGuiFlag = true
    myApp = {<QApplication> = {<No data fields>}, static staticMetaObject = {d = {superdata = 0x7f992e984040
<QApplication::staticMetaObject>, stringdata = 0x7f99333183a0 <qt_meta_stringdata_QgsApplication>, data = 0x7f9933318500
<qt_meta_data_QgsApplication>, static_metacall = 0x7f99331a93f0 <QgsApplication::qt_static_metacall(QObject*,
QMetaObject::Call, int, void**)>, relatedMetaObjects = 0x0, extradata = 0x0}}, static QGIS_ORGANIZATION_NAME =
0x7f993323cea8 "QGIS", static QGIS_ORGANIZATION_DOMAIN = 0x7f993323cead "qgis.org", static
QGIS_APPLICATION_NAME = 0x7f993323ceb6 "QGIS3", static mFileOpenEventReceiver30100 = 0x55c517199b00, static
mFileOpenEventList30100 = {<QList<QString>> = {<QListSpecialMethods<QString>> = {<No data fields>}, {p = {static
shared_null = {ref = {atomic = {_q_value = {<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data
fields>}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d = 0x7f992930dac0 <QListData::shared_null>, d = 0x7f992930dac0
<QListData::shared_null>}}, <No data fields>}, static mProfilePath30100 = {static null = {<No data fields>}, d =
0x55c516ee3a70}, static mUIThemeName30100 = {static null = <same as static member of an already seen type>, d =
0x7f992930b9e0 <QArrayData::shared_null>}, static mPrefixPath30100 = {static null = <same as static member of an already
seen type>, d = 0x55c516fcd70}, static mPluginPath30100 = {static null = <same as static member of an already seen type>, d =
0x55c516f97150}, static mPkgDataPath30100 = {static null = <same as static member of an already seen type>, d =
0x55c516ff6b50}, static mLibraryPath30100 = {static null = <same as static member of an already seen type>, d =
0x55c516f69c20}, static mLibexecPath30100 = {static null = <same as static member of an already seen type>, d =
0x55c516f0d5a0}, static mThemeName30100 = {static null = <same as static member of an already seen type>, d =
0x7f993323d6e0 <QgsApplication::setUITheme(QString const&)::lambda(#2)::operator()() const::qstring_literal>}, static
mDefaultSvgPaths30100 = {<QList<QString>> = {<QListSpecialMethods<QString>> = {<No data fields>}, {p = {static
shared_null = {ref = {atomic = {_q_value = {<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i = -1}, <No data
fields>}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d = 0x55c516fb0f60}, d = 0x55c516fb0f60}}, <No data fields>}, static
mSystemEnvVars30100 = {d = 0x55c516f75b90}, static mConfigPath30100 = {static null = {<No data fields>}, d =
0x55c516ff0a50}, static mInitialized30100 = true, static mRunningFromBuildDir30100 = false, static mBuildSourcePath30100 =
{static null = <same as static member of an already seen type>, d = 0x7f992930b9e0 <QArrayData::shared_null>}, static
mBuildOutputPath30100 = {static null = <same as static member of an already seen type>, d = 0x7f992930b9e0
<QArrayData::shared_null>}, static mGdalSkipList30100 = {<QList<QString>> = {<QListSpecialMethods<QString>> = {<No data
fields>}, {p = {static shared_null = {ref = {atomic = {_q_value = {<std::__atomic_base<int>> = {static _S_alignment = 4, _M_i =
-1}, <No data fields>}}, alloc = 0, begin = 0, end = 0, array = {0x0}}, d = 0x7f992930dac0 <QListData::shared_null>, d =
0x7f992930dac0 <QListData::shared_null>}}, <No data fields>}, static mMaxThreads30100 = -1, static mAuthDbDirPath30100 =
{static null = {<No data fields>}, d = 0x55c516ff0a50}, static sUserName = {static null = <same as static member of an already
seen type>, d = 0x55c517707700}, static sUserFullName = {static null = <same as static member of an already seen type>, d =
0x55c516f76ad0}, static sPlatformName = {static null = <same as static member of an already seen type>, d = 0x55c516e664f0},
mIconCache = {d = 0x55c51753da50}, mCursorCache = {d = 0x55c517522a10}, mDataItemProviderRegistry =
0x55c516eeb110, mAuthManager = 0x55c5172513d0, mApplicationMembers = 0x55c516ed06d0, static sApplicationMembers =
0x0}
gdb returned 0

```

## Associated revisions

Revision [af6ad230](#) - 2018-03-24 11:34 AM - Salvatore Larosa

Fixes #18530: Removing project item from Welcome screen crashes QGIS

Revision [2220a6ea](#) - 2018-03-24 12:30 PM - Salvatore Larosa

Merge pull request #6667 from slarosa/fix\_18530

## History

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### #1 - 2018-03-24 10:20 AM - Richard Duivenvoorde

- *Crashes QGIS or corrupts data changed from No to Yes*

Easy reproducible even in fresh profile:

- create fresh profile
- open osm layer
- make this (unsaved) project your default project (Settings/general)
- now save the project
- close qgis
- open qgis
- seeing the osm project as only project, delete it from the list in welcome page
- not sure if needed, but move your mouse of canvas/layerlist/browser

### #2 - 2018-03-24 11:20 AM - Salvatore Larosa

- *Status changed from Open to In Progress*

I can confirm it. I am going to submit a Pull request

### #3 - 2018-03-24 12:29 PM - Salvatore Larosa

- *% Done changed from 0 to 100*
- *Status changed from In Progress to Closed*

Applied in changeset commit:qgis|af6ad23048e50308bb6b3ee7cc9bff130c20a210.

### #4 - 2018-03-24 05:19 PM - Salvatore Larosa

- *Resolution set to fixed/implemented*

### #5 - 2018-03-26 09:54 AM - Jürgen Fischer

- *Description updated*