

MBS Xojo Bug Reporter Kit

Version 1.6, © 2010-2023 by Christian Schmitz

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About the MBS Xojo Bug Reporter Kit

Our Kit provides you with a few useful classes to easily add bug reporting to your application.

Features

1. Collect bug reporter data and send to server for delivery as email.
(or insert to database)
2. Handle unhandled exceptions.
The plugin reports the exception class name and message.
3. Find MacOS crash reports and report them.
4. Run bug reporter for feature request.
5. Catch Windows System Exceptions.
6. Catch Signals on MacOS and Linux.
7. Catch unhandled C++ exceptions.
The MBS plugins can catch this C++ exceptions on Mac OS X and Linux, but not on Windows. There is a feedback report about Xojo not capturing C++ exceptions if the runtime allocates memory: [12072](#)
8. Catches Cocoa Exceptions
9. Localized for English, French, German and Italian.
10. Full Source Code access.

Note to 5-8: If those exceptions are not handled, your application normally crashes. We try to show a bug reporter dialog before that and terminate the application after the dialog is done.

Version History

Tip: If you want to update your existing code with new release, you'd best compare projects with Arbed (<http://www.tempel.org/Arbed>) and copy modifications to your project.

1.6, 18th August 2023

- Updated for Xojo 2023.
- Now included with MBS Xojo Complete Plugin Set.

1.5, 29th September 2021

- Fixed some localization bugs.
- Fixed compilation bugs for Xojo 2019r3
- Changed email script to mark email as UTF-8.
- Add list of current visible windows with focused control to the report.
- Updated to Xojo 2021

1.4, 31st July 2019

- Fixed constants kClassificationDataLoss, kFailedToCreateTextFile and kInternetTrouble to not have default in french.
- Added #pragmas to avoid warnings
- Updated PHP script with nicer formatting and newer syntax.
- Updated for Xojo 2019r1

1.3, 24th August 2017

- Added console example project.
- Updated for Xojo 2017

1.2, 1st March 2016

- Added french translation.
- Updated for Xojo
- Now checks if app is not nil as a crash on quitting may have app = nil.
- Added SignalHandler to gracefully quit on Killing
- Added low level exception and signal handlers to log crashes.
- Added StackOverflowChecking Pragmas to avoid problems if for some reason exception is caught on non Xojo thread.
- Added special handling for unhandled Xojo exception caught on a Xojo thread.
- Works on 64-bit, too.

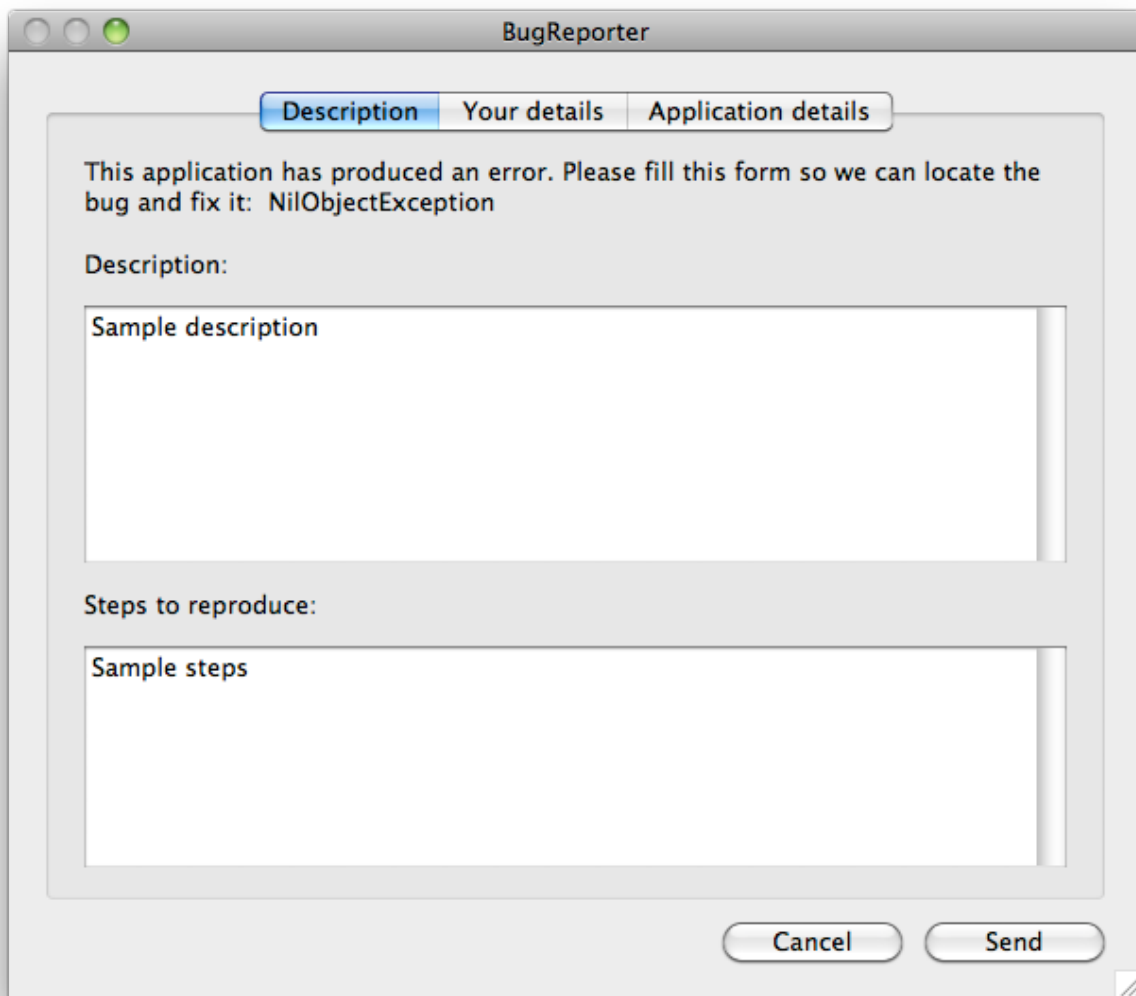
1.1, 19th February 2013

- Signals on Mac & Linux now show stack trace.
- Reason is now part of the report. Else you may miss it.
- Moved project to Real Studio 2012.
- Removed reference to GetObjectClassNameMBS
- Now uses BackTraceMBS function on Mac to query stack backtrace.
- Added LinuxSysInfoMBS for more details on Linux.

- Fixed some minor bugs.
- Added Italian translation and improved German & English

1.0, first release

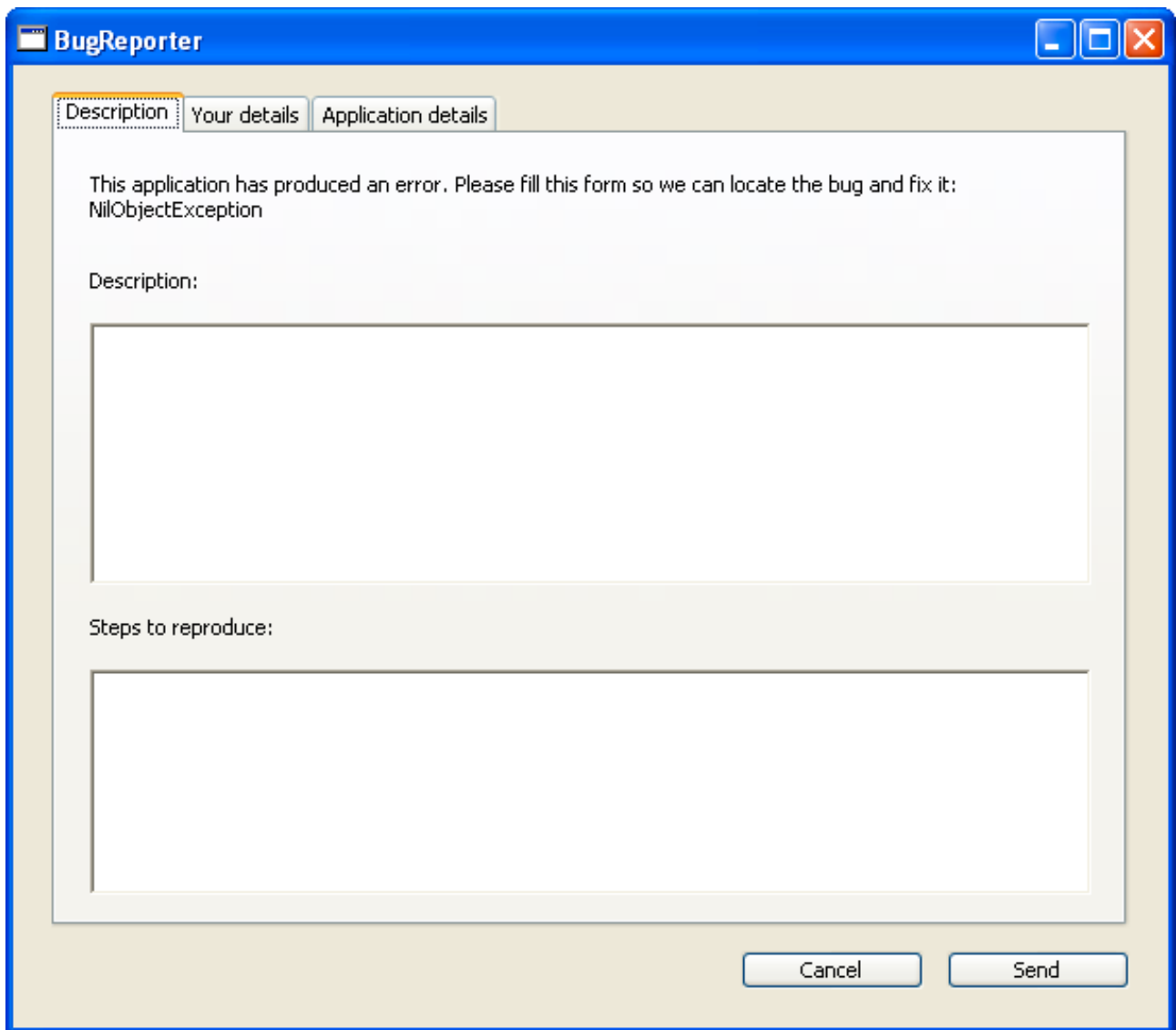
Screenshots



The bug reporter dialog on MacOS.



The question whether the application should continue.



Bug Reporter on Windows

The image shows a screenshot of a Windows application window titled "BugReporter". The window has a blue title bar with standard minimize, maximize, and close buttons. Inside the window, there are three tabs: "Description", "Your details" (which is selected and highlighted with an orange underline), and "Application details". The "Your details" tab contains several input fields and a dropdown menu:

- "Your name:" with a text box containing "Christian Schmitz".
- "Your Company:" with an empty text box.
- "Your email address:" with an empty text box.
- "Ihr Computer:" with a text box containing "WINDOWSXP".
- "Product:" with a text box containing "BugReporter 1.0".
- "Classification:" with a dropdown menu showing "Performance" and a downward arrow.
- "Comments:" with a text area containing "BugReporter 1.0".

At the bottom right of the window, there are two buttons: "Cancel" and "Send".

and second tab.

Installation

To get your projects working with this Bug Reporter, you need to follow a few steps. The installation of the php script on your website is only done one time. You can use one script for several applications without problems.

Installation into an application

- Add the following items to your application:
 - BugReporter.rbw
 - BugReporterConfiguration.rbo
 - MyGlobalExceptionHandlerMBS.rbo
 - MySignalHandlerMBS.rbo
 - MyWinExceptionMBS.rbo
- Configure the BugReporterConfiguration module:
 - Change the script URL to your webserver.
 - Change your support email address. This email address will be displayed to users without Internet connection.
 - If you want to allow the user to continue with your application after an unhandled exception, you should set AllowContinueAfterException to true. Else set it to false.
 - With the AutoSendBugreportAfterDelay constant you can define if the bug reporter should automatically send the bug report in case the user does not react. You should set this to maybe 60 seconds for applications which run most time without user interaction. Use the value 0 to disable this.
 - If ReportNetworkInterfaces is true, the network interfaces on the users computer are reported.
 - And TextFileTypename tells which file type to use for text files. You need to define a FileType Set with a file type of this text.
 - kUseAddressbookViaMBS and kUseAddressbookViaRS define which way your app uses to access the Addressbook. The plugin avoids showing a dialog asking for addressbook access, so we only access it if you accessed it before.
- Go to the open event in the app class and add the "BugReporter.init" line to your code.
- For the UnhandledException event in the app class, please add there a line „return BugReporter.UnhandledException(error)“.
- Add to your project a menu command or button and call "BugReporter.showBugReport" and "BugReporter.showFeatureRequest" in suitable places.

Installation on your webserver

- Open the bugreporter.php file and check the config lines on the top. You should change the email addresses here!
- Upload the files in the "PHP Script" folder to your webserver.
- Check the permissions so every file is readable. If your web server requires executable permissions set, please set them.
- You can access the url of the bugreporter.php file directly in the browser and you see an OK message. You are now getting an email.

Requirements

You need Xojo 2013 or newer.

We did not test with older versions, but you can if you need.

We recommend you get a Complete license for the MBS Xojo Plugins.

Because you need the following plugins:

- On MacOS
 - MacOSX
 - MacCocoa
 - MacBase
 - Util
 - Main
 - MacCF
- On Windows
 - Win
 - Main
 - Util
- On Linux
 - Linux
 - Main
 - Util

Theoretically you can remove code or rewrite parts of our Bug Reporter Kit to reduce the dependencies.

License

Summary:

- You may use Bug Reporter Kit only with one licensed Xojo installation.
- You agree not to share the Bug Reporter Kit or use someone else's Bug Reporter Kit copy.

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Access to updates is included for one year. After that time you can order an update or keep using the old version you have.

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