David Millington   *28 Jul 2020*

We've just released patch (or hotfix) 3 for Delphi, C++Builder and RAD Studio 10.4.

If you use VCL grids or C++Builder, we recommend you install Patch #3, which we released today. This patch addresses a number of issues in RAD Studio 10.4 for the VCL Grid, the C++ Win64 debugger (including adding a new formatter), C++ Builder Android exceptions, and C++ Android resource linking.

Two **very important** things to note:

1. Install Patch 1 and Patch 2 **first,** in order (1, then 2, then 3.)
2. Installing this patch has a **manual step,** just like patch #2, and it's easy to get caught by it. Please follow the same instructions as patch #2 to install. Just installing via GetIt does not really install the patch. See full visual instructions for patch 2 (applicable to patch 3) here or read below for steps.

Installation

Installation Steps (via GetIt)

- Use GetIt to download the patch
- The patch executable is copied along with a ZIP file in a folder like: C:\Users\ <name>\Documents\Embarcadero\Studio\21.0\CatalogRepository\10.4Patch3-10\R104_Patch3
- Close the RAD Studio 10.4 IDE (and also any other earlier versions of RAD Studio IDE)
- From the folder, run the batch file patch3.bat
- The installation will require elevation and proceed adding a detailed log file to the catalog repository folder
- When completed, restart the IDE

Installation Steps (via Download Portal)

- Use my.embarcadero.com to download the patch
- Similarly to the steps above, close the IDE and run the patch software via batch file from the download location

Uninstallation steps (both cases)

- Open the Catalog Repository installation folder above
- Run patch3uninstall.bat
- Alternatively, copy the files from the backup folder to the main RAD Studio installation folder
- Only *after* you have cleared the patch, uninstall the package from GetIt

Patch Contents

RAD Studio 10.4 Patch #3 addresses the following both customer-reported (RSP-) and internal (RS-) issues:

C++ Android:

RSP-27268 C++ Builder 10.3.3 Android Exceptions

RSP-29218 C++ Android error E4620 processing resource .fmx -2 raised

VCL:

RSP-29628 VCL Grids bug

C++ Win64 Debugging:

RSP-29239 Debugger does not start

RSP-29206 can't debug win64 at all

RSP-29145 C++Builder 64 bit Debugger alters the default working directory from the app executable directory

RSP-29125 New Windows 64 bit debugger freezes and does not stop on exceptions

* Partial fix: Exception handling support in the debugger has been improved but there are still issues: OS-level exceptions (e.g. AV) are not always caught and reported. Some language-level exception types are not displayed correctly

RS-100553 [LLDB Win64 C++] Add formatter for unique_ptr

RS-100134 FMX & VCL C++ 64-bit App become unresponsive while trying to debug it

RS-97111 Evaluation of TLabel->Caption property returns "Unknown error"

This is an important set of fixes. As well as the VCL grids issue, which affects you if you use this control, it's notable for the C++ items. First, Android exception handling is important if you ran into this issue and need to update your Android 32-bit app by the August 1st deadline. The resource linking issue is also worthwhile. Second, when 10.4 was released we added a new debugger for Win64, which is a huge improvement: it's based on LLDB 9, has tools to evaluate and inspect STL collections or your own complex data structures, and more - it's now on par with the classic debugger, which is important for moving to Clang. This patch fixes a number of bugs, especially with large projects, and also adds a new formatter (visualiser) for std::unique_ptr so you can easily inspect their contents.

Reduce development time and get to market faster with RAD Studio, Delphi, or C++Builder. Design. Code. Compile. Deploy.

Start Free Trial   Free Delphi Community Edition   Free C++Builder Community Edition   Upgrade Today

💬 10 comments   👤 4 members are here

Andrzej N60260 *20 hours ago*

Hello David,

When will by patch for C++ Builder 10.3.3? debugger for 10.3.3 is terrible - RSP-28168 - TField->AsString E2468 Value of type void is not allowed, RSP-27579 - Debug Inspector Fails to find Items.

David Millington *6 hours ago in reply to Andrzej N60260*

We don't usually patch old versions once the new version is out. 10.4 introduces an entirely new debugger for C++ (Win64.)

Donald J10060 *19 hours ago*

The ZIP file is corrupt!

David Millington *6 hours ago in reply to Donald J10060*
Please see my reply below to the same issue. What region of the world are you in?

Donald J10060 *3 hours ago in reply to David Millington*
I am in the United States.

mchonan1996 *16 hours ago*
Need to fix Patch 2 before you post Patch 3 boys! Not happy.

https://quality.embarcadero.com/browse/RSP-30109

David Millington *6 hours ago in reply to mchonan1996*
We're looking into this. It could be a CDN issue: we use a very large third-party CDN (one you've heard of) but we do occasionally get issues where in some regions a file is corrupt. Similarly, it could be an ISP issue or something on a shared backbone - many files are cached.

You can try downloading it via a VPN set to another world region. Meanwhile, we are investigating.

What region are you in?

JCD *12 hours ago*
I haven't seen Embarcadero to produce fixes for old versions once a new version is released.

Roger Cigol *5 hours ago*
I've just installed patch 3. Because my s/w doesn't recognise patches 1 and 2 it seems to reinstall patch 1 and then download patch 2 again but then it downloaded patch 3 and the manual install (following above instructions) works fine. (see also https://quality.embarcadero.com/browse/RSP-29576)

It's great that Embarcadero are quickly releasing these patches.

Andrzej N60260 *50 minutes ago*
Hello David,

Verision 10.3.3 is not old version, old version is CB4 from 2000 year (my first CB).

You put more bug to 10.3.3.

I migrate from 10.1.2 to 10.3.3. frew weeks before You put 10.4.
Now I dont migrate to 10.4 becouse comercial component is not avaiable to 10.4 - I waitnig. Compiler is slow (allways is) - one thread (30 minits to full compile), waintg to TWineCompile to 10.4.
Not stable, I need reinstall IDE after crasch (RSP-29126 - now is Open, RSP-29141 - Reported, RSP-29187 - Reported)
I am considering migrating back, to 10.1.2. Why should I pay then for first alpha version 10.4?

My opinion (and more users too) You must resolve CRITICAL! bugs products 1 min release back - 10.3.x. Debugger not show value is CRITICAL bug.

If You product wil by without bugs not need path.... But ... You know the quality of your products yourself. quality.emb.... tells the truth. Of course, you will not confirm that it has been "a bottom" for several editions.

Yes I know You say "I have to buy professional subscription" to path for older project.

Say to my do You cash back if You support not resolve assists?
Support says: "I need to say that I have no experience of this API. My guess of how to apply the parameters would be as follows: ..." (and copy from MS site) it is the joke? :) :) :)

I created RSP-28168 - TField->AsString before create the same RSP for 10.4 beta. You repair beta 10.4 but not 10.3.3!

I use 32 bit standard Borland compile.

Patch for RSP-28168 - TField->AsString is WERY NEED!!!