



November 22, 2018

Delphi 10.3 Released (/blog/2018-november-delphi-103-released.html)

Yesterday Embarcadero has released a shining new version of Delphi, with new language, RTL, VCL, FireMonkey, mobile, database and RAD Server features, plus a large number of quality improvements.

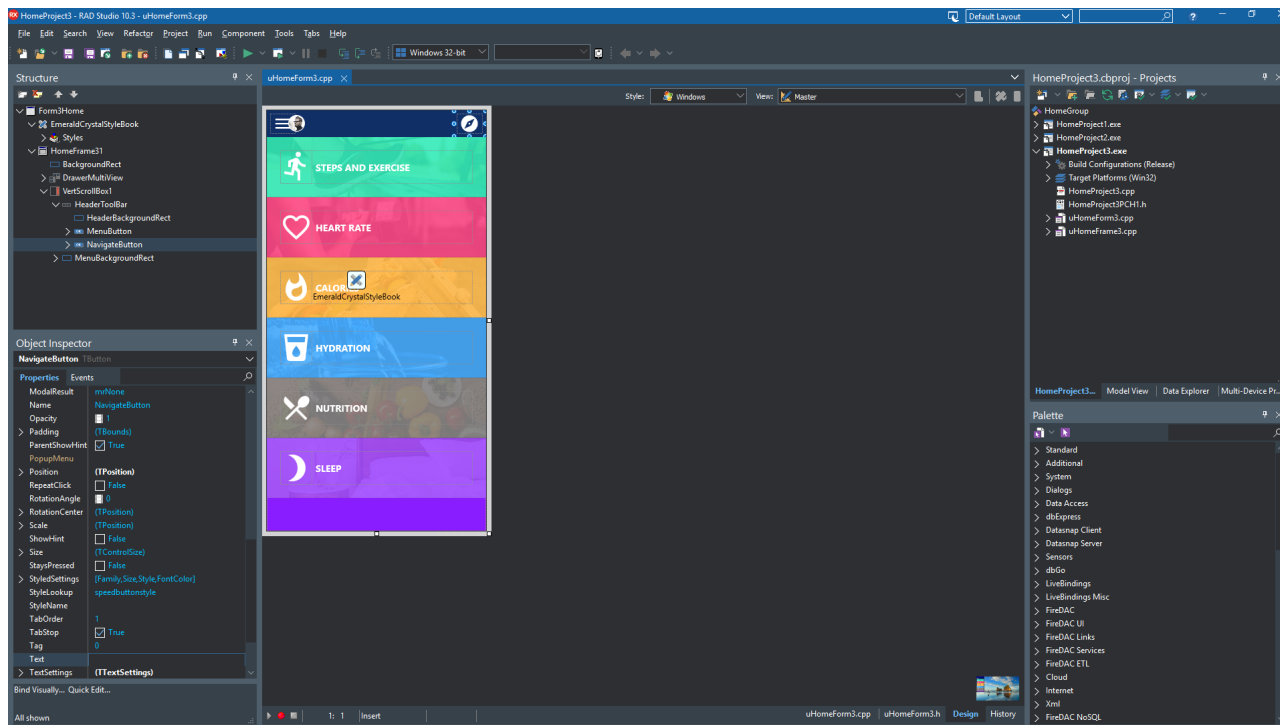
Delphi 10.3 has been released yesterday as part of RAD Studio 10.3. The new release has a very large number of features, in many different areas, which you can read in the product main page and documentation (see links below).

There are a few things in Delphi 10.3 I'm personally proud of and would like to underline:

- the new **inline variable declaration**, a small change that breaks with the original Pascal language opening up a lot of new possibilities for improving your every day code; its effects include block variable lifetime and visibility, type inference, and a few more
- the **image collection** and the new virtual image list for VCL Hi-DPI applications; nothing in Microsoft own Windows UI comes close in terms of API integration, compatibility with different versions of Windows, easy transition of existing code. Same for the new Per Monitor v2 support deep in the VCL. VCL and Delphi continue to lead as the best Windows UI library
- the large expansion of FireMonkey on the **Android platforms** with native controls, z-Order, better editing support, new permissions architecture and more
- the "2.0" version of **RAD Server**, with better URL and content type mapping, server side components, a more flexible architecture, and the ability to avoid repeated boilerplate code
- the overall focus on **RTL performance**
- a very very nice **UI and UX for the IDE** itself, makes it hard to go back to 10.2
- the **C++ 17** work is also great, even if not strictly Delphi

Here are some relevant links:

- Official press release: <https://www.businesswire.com/news/home/20181121005044/en/Embarcadero-Releases-RAD-Studio-10.3-Enhance-Delphi> (<https://www.businesswire.com/news/home/20181121005044/en/Embarcadero-Releases-RAD-Studio-10.3-Enhance-Delphi>)
- Sarina's announcement blog post: <https://community.idera.com/developer-tools/b/blog/posts/delphi-c-builder-and-rad-studio-10-3-rio-are-now-available> (<https://community.idera.com/developer-tools/b/blog/posts/delphi-c-builder-and-rad-studio-10-3-rio-are-now-available>)
- What's new in Delphi 10.3 product page (with video): <https://www.embarcadero.com/products/rad-studio/whats-new-in-10-3-rio> (<https://www.embarcadero.com/products/rad-studio/whats-new-in-10-3-rio>)
- DocWiki New in 10.3 page (more technical information): http://docwiki.embarcadero.com/RADStudio/Rio/en/What%27s_New (http://docwiki.embarcadero.com/RADStudio/Rio/en/What%27s_New)
- List of almost 500 publicly reported bugs fixed: http://docwiki.embarcadero.com/RADStudio/Rio/en/New_features_and_customer_reported_issues_fixed_in_RAD_Studio_10.3 (http://docwiki.embarcadero.com/RADStudio/Rio/en/New_features_and_customer_reported_issues_fixed_in_RAD_Studio_10.3)
- New public demos repository on GitHub: <https://github.com/Embarcadero/RADStudio10.3Demos> (<https://github.com/Embarcadero/RADStudio10.3Demos>)



Regarding the main features, we have already published several blog posts, you can find them all in the new Idera Developer Community blogs section <https://community.idera.com/developer-tools/b/blog> (<https://community.idera.com/developer-tools/b/blog>) (including mine on language features and VCL, more will come).

posted by marcocantu (<http://www.marcocantu.com>) @ 11:14AM (</blog/2018-november-delphi-103-released.html>) | 7 Comments [0 Pending] (</blog/2018-november-delphi-103-released.html#FeedBack>)

7 Comments

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Anyone else experiencing a problem getting the installer for 10.3 to actually work?

Ours gets stuck for a long time on a grey page captioned "Platform Selection" with "Loading" shown for about two or three minutes before an error is displayed reading "Problem loading data. Cannot load data from the server: Internal Server Error".

Most frustrating if the first experience already starts off like this.

Comment by J-L on November 22, 16:21

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Tried to install but i get "Internal Server Error" on RAD Studio Platform selection form. I tried the offline installer but on each start the platform selection opens up again with the same error. Maybe i just have bad luck with your installer - again :-)

I thought you have been working on improving the install/upgade experiance?!

Regards
Manuel

Comment by Manuel Stolte [<https://www.mggm.de/> (<https://www.mggm.de/>)] on November 22, 18:55

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Were Konopka Signature VCL components dropped?

Comment by Navid Madani on November 23, 02:02

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Would be a nice release when it would install and mobile platforms are not gone with it. Lots of people complain. How can Embarcadero release such a crap without testing it enough?

Comment by Günter Krämer on November 23, 07:12

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It's a little bit hard to get used to this new IDE themes.

Everything else is very nice especially inline variables.

Comment by Bernard Bjelobrk on November 24, 09:05

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We need the BDE for compatibility.

I do not yet have all 3rd party components available for 10.3, but

opening the projects the impression that was much faster.

Even livebind is now fast.

Thank you.

Comment by Edmar Frazão on November 24, 12:24

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I was unable to install it, tried several times, it would hang on a different file each time. Going to wait for another release.

Comment by James F Maguire on November 30, 01:32

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A blog about Delphi programming, Embarcadero, XML, Web 2.0, JavaScript,
and anything else Marco is working on and has worked on in the past.

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