Sarina DuPont   *18 Jul 2019*

We are very excited to announce the release of Delphi, C++Builder and RAD Studio 10.3.2.

10.3 Rio Release 2 (also known as 10.3.2) builds on the feature set of 10.3 and 10.3.1 by adding new capabilities throughout the product. Delphi 10.3.2, C++Builder 10.3.2 and RAD Studio 10.3.2 are now available for any active Update Subscription customer.

With Release 2, developers can target the macOS App Store with 64-bit versions of their FireMonkey Delphi apps, leverage the latest language features with C++17 support for Windows 64-bit and become more productive in the IDE through enhanced C++ code completion tooling. Also new is the ability to create Delphi GUI applications for popular Linux distributions and a simplified RAD Server deployment process with new wizards, installers and tooling. Developers can also add push notification support to their Delphi and C++ Android applications with Firebase, the latest standard from Google.

The installers are available for download on the following registered users download pages:

- RAD Studio: https://cc.embarcadero.com/reg/rad_studio
- Delphi Rio: http://cc.embarcadero.com/reg/delphi
- C++Builder Rio: http://cc.embarcadero.com/reg/c_builder

Key RAD Studio 10.3.2. Features:

macOS 64-bit application support for Delphi

Support the Mac App Store and prepare for the upcoming 64-bit-only version of macOS

- 10.3.2 adds a new Delphi compiler for the macOS 64-bit platform, based on the LLVM compiler infrastructure, with the same non-ARC model like all other Delphi desktop and server platforms we support - macOS, Windows and Linux
- Offers extensive RTL support including core file system access, platform integration, memory and threads management, HTTP and REST client libraries, the Parallel Programming Library, and more
- macOS 64-bit support includes complete support for the FireMonkey library and all FireMonkey controls previously available on the macOS 32-bit platform
- Also new in this release is InterBase support for Delphi macOS 64-bit.
- Also included in this release is macOS notarization support for submitting your Mac application to Apple for notarization.
- Easily recompile your existing macOS 32-bit application for 64-bit and target the App Store
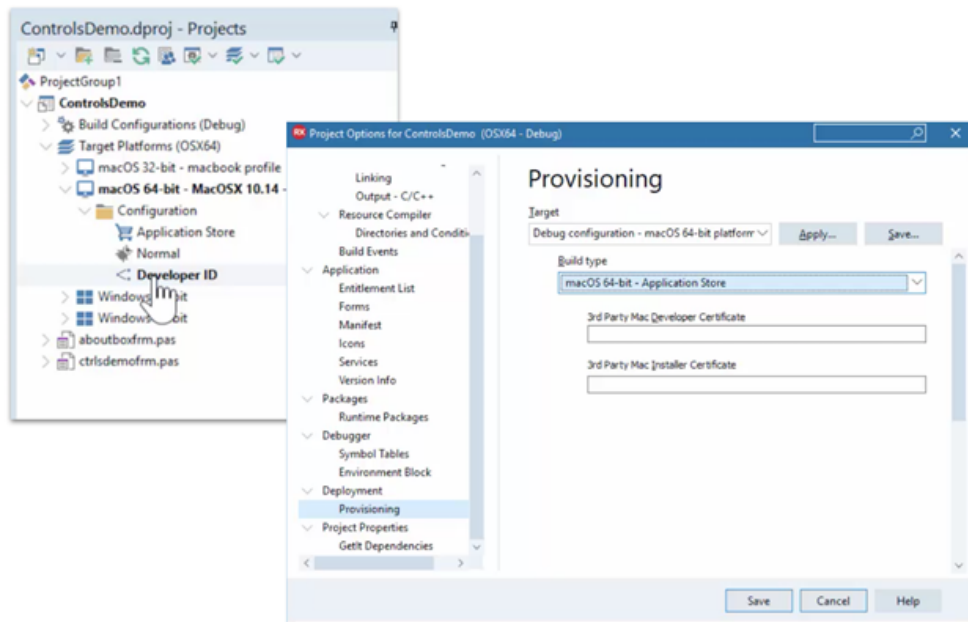
C++17 for Windows 64-bit

Leverage the latest C++ language features in apps built for both Win32 and Win64, with complete C++17 support for Windows

- C++17 Clang-enhanced compiler and toolchain for Win64 (bcc64), meaning C++17 is available for both Win32 and Win64 targets
- C++ runtime library (RTL) built with the updated Clang-enhanced compiler for Win64, including current edition of Dinkumware STL
- Also includes support for C++14
- Boost library support for both Win32 and Win64

C++ LSP Code Insight Improvements

Key productivity features in the IDE are now available for the modern Clang-enhanced compiler

- C++Builder 10.3.2 offers full featured Code Insight support for C++ with the Clang-enhanced compiler
- Adds new features such as Parameter Completion, Tooltip Insight and Go To Definition, providing feature parity between the classic and modern compilers
  - Significantly improves these features compared to the classic version by making them asynchronous and non-blocking

```
□ void __fastcall TForm1::btnOkClick(TObject *Sender)
  {
      //
      TRect x = clientrect|
  }
```

method	**AdjustClientRect**	+1 overload
property	**ClientRect**	
method	**GetClientRect**	+2 overloads

```
□ void __fastcall TForm1::btnOkClick(TObject *Sender)
  {
      //
      TRect x = ClientRect;
      x.Intersect ()
  }
```

const System::Types::TRect &r1, const System::Types::TRect &r2
const System::Types::TRect &r

RAD Server Wizards and Deployment Improvements

Much easier configuration, deployment and management for RAD Server multi-tier

- Improvements to the RAD Server wizards for automatic FireDAC database mapping and API documentation, including smoother Swagger API documentation and support for Swagger-UI
- New RAD Server Management Console with configuration editor and integrated REST debugger for quickly executing a generic REST call against the server
- Simplified deployment process with installers for Linux and Windows servers
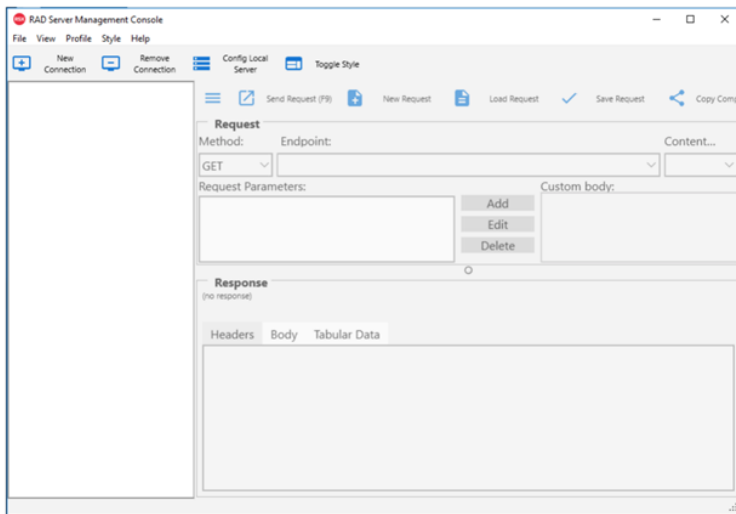
Android Push Notification Support with Firebase

Push notifications are a key feature for many apps - we now support the latest standards from Google

- FireBase push notification support for your FireMonkey 10.3.2 Android applications, replacing the

- Includes improvements to icons for all types of notifications
- Includes updates to Google Play Services and Maps to match Firebase version support requirements
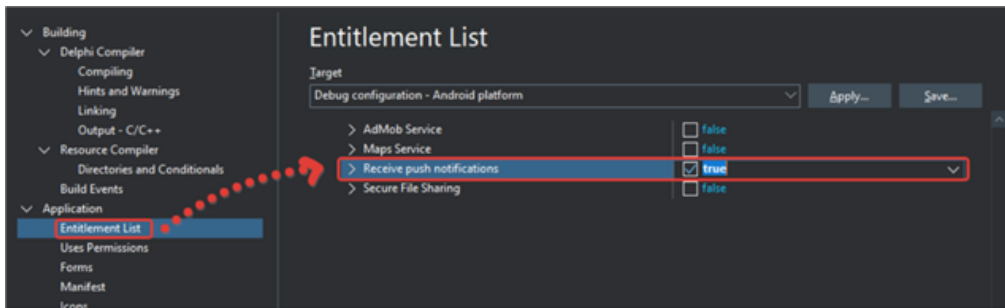
FMX Linux for Delphi

Create Linux Desktop apps with FMX

- Easily build GUI applications for popular Linux distributions
- Extends Delphi's FireMonkey cross-platform framework
- Includes several ready-to-use user interface styles
- Many of the FMX components, such as grids, widgets, etc. work seamlessly on Linux clients
- Leverage RAD Studio's innovative features, such as Live Bindings, and much more, in your Linux client applications
- Available via GetIt for Enterprise and Architect Edition customers
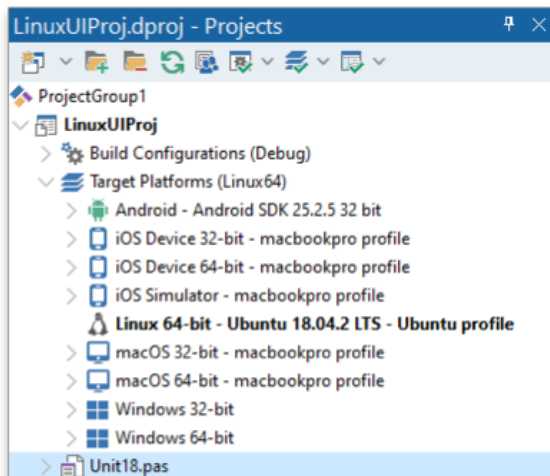
Also included in 10.3.2 are around 400 quality improvements for <u>customer reported issues</u>.

See What's New in RAD Studio 10.3.2

Other useful links:

- Docs http://docs.embarcadero.com/products/rad_studio/
- Docwiki http://docwiki.embarcadero.com/RADStudio/Rio/en/10.3_Rio_-_Release_2
- Feature Matrix https://www.embarcadero.com/docs/rad-studio-feature-matrix.pdf

Looking to download a RAD Studio 10.3.2 Trial? Visit https://www.embarcadero.com/products/rad-studio/start-for-free

Looking to learn more about the 10.3.2 release? Join our webinar next week: https://register.gotowebinar.com/register/1262173778065437955

💬 34 comments   👤 0 members are here

mments

Sarina DuPont *3 months ago* *in reply to* *Guenter K34594*   +1
Hi Guenter, I have updated the Delphi screenshot to show macOS 64-bit

Bruce McGee *3 months ago* *in reply to* *Piotr Antoniak*   +1
Embarcadero has been having a server issue, but you should be able to download the Community Edition n...

Przemyslaw Dmochowski *3 months ago*   +1
I affraid this version is still NOT availabe due to not fixed issues. https://cc.embarcadero.com/reg/delphi has ...

Przemyslaw Dmochowski *3 months ago*

https://cc.embarcadero.com/reg/delphi has problems:

Unable to complete network request to host "etnaedndb02.embarcadero.com:3046". Failed to establish a connection. No connection could be made because the target machine actively refused it.

web installer still cannot fech packages...

I happily downloaded ISO installer before problems started.....

...but I suspect installer is broken - product is installed but without ANY additional platforms: win64,android nor linux64 etc... There is no "Platform and Extensions Manager" link on "start here" screen nor "Manage platforms" item in "Tools" menu.

Jurrian B30376 *3 months ago in reply to Przemyslaw Dmochowski*
Yes I have the same problem here.

Guenter K34594 *3 months ago*
Sorry, but it does not list any macOS 64-bit as target, only macOS 32-bit :(

Sarina DuPont *3 months ago in reply to Guenter K34594*
Hi Guenter, I have updated the Delphi screenshot to show macOS 64-bit

Guenter K34594 *3 months ago in reply to Sarina DuPont*
Not for me...

Ramazan GEVEN *3 months ago*
FmxLinux + CrossVCL would be better.

marcel.mafra *3 months ago*
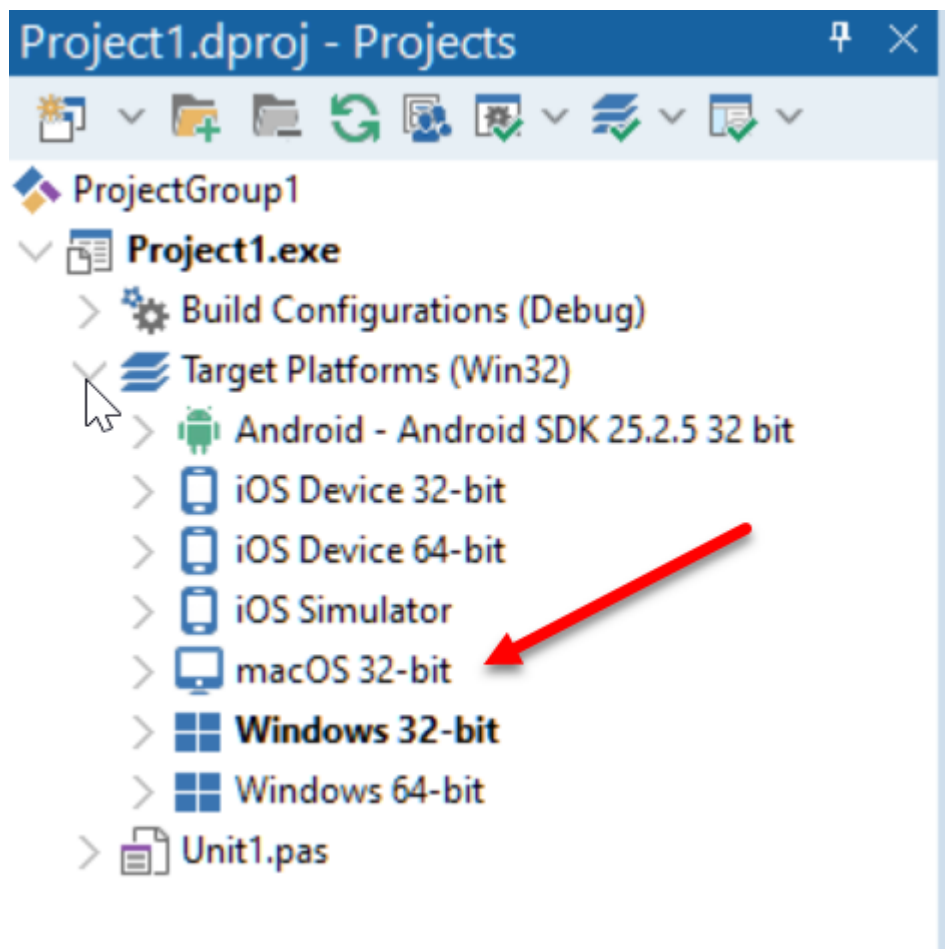Hi, how was the 64bit android? Google will only accept 64bits as of August

RolandK *3 months ago in reply to marcel.mafra*
Very important question. When will the Beta for 64bit Android start. All Android developers need it bad.

Guenter K34594 *3 months ago*

Sarina DuPont *3 months ago in reply to Guenter K34594*
Hi Guenter, I updated that screenshot yesterday in this post. Please have a look.

Sarina DuPont *3 months ago in reply to Guenter K34594*
What version of the product did you try to install?

Sarina DuPont *3 months ago in reply to Guenter K34594*
Hi Guenter, if you installed the macOS 64-bit platform with Delphi or RAD Studio 10.3.2, and don't see it in the IDE, I would recommend trying the steps below:

Delete your license file in the license manager, re-add it and re-register it again. You should then be able to launch Delphi 10.3.2 (assuming you have macOS 64-bit platform support installed) and see macOS 64-bit as a target in the IDE for your Delphi projects.

> **Brian Hamilton H558** *3 months ago in reply to Sarina DuPont*
> HI
>
> I have the same issue, the 64 OSX platform is not available
>
> and the platform manager is not working as the server is down. I notice when doing a setup install modify that it just says OSX for install files...should it say different? (e.g

I will see about license trick

Brian Hamilton H558 *3 months ago in reply to Brian Hamilton H558*

the license trick did not work for me

one thing,I did the install via the .iso installer, via an alternative download link (as the main install server is down). I do see folders created for osx64 bit!. I have the enterprise version of Delphi 10.3

Brian Hamilton H558 *3 months ago in reply to Brian Hamilton H558*

fixed it...I had to un insall first (and I set to delete the registry entries)...the iso installer did not give that option like the web installer did (which I usually do)

Brian Hamilton H558 *3 months ago in reply to Guenter K34594*

try un installing first

Diorgens Miguel M61422 *3 months ago*

1. Launched 10.3.2. Next, 10.3.2.2, ..., 10.3.2.2.3, ..., 10.3.2.4.5, ... ?

Rebekah D *3 months ago in reply to Diorgens Miguel M61422*

There's a May 2019 roadmap available on this site, but no we don't do that level of point releases.

Piotr Antoniak *3 months ago*

Hi.

Can anyone tell me how to download Delphi 10.3.2 Community Edition? When I am trying to download it I am getting a message "Your session has expired. Please log in again". Which, of course, is not true since I am trying to log in for the very first time today. Any clues?

Piotr

Bruce McGee *3 months ago in reply to Piotr Antoniak*

Embarcadero has been having a server issue, but you should be able to download the Community Edition now.

Lorenzo S8493 *3 months ago in reply to Bruce McGee*

till now....always too slow. Is not possible!

Allegas *3 months ago*

Hi Sarina,

Any chances seeing C++ Builder for Android 64 bit this or next year?

Warren Postma *3 months ago in reply to Allegas*
I think they've already shared a roadmap showing they are working hard on Android 64 right now.

Marko Von Richards *3 months ago*

Given that from August, C++ Builder will not be able to develop apps for Android and MacOS platforms, are these platforms removed from 10.3.2 or will they still remain. I cannot consider updating to 10.3.2 if these platforms are missing, as means I cannot do anymore work.

Has anyone installed C++ Builder 10.3.2 Professional noted what Platforms can be installed?

Roger Cigol *3 months ago in reply to Marko Von Richards*
Hi Marko, Just watched the webinar on "what's new in 10.3.2" and all the 32 bit build platforms were present in one of the slides. The improvements in IDE response looked good so I will give this installation a go - next week (I am at a customer's site for the rest of this week - no time to be trying anything fancy!).

Regards Roger.

Marko Von Richards *3 months ago in reply to Roger Cigol*
Many thanks Roger. Let me know the outcome, I would try myself but swamped.

Sarina DuPont *3 months ago in reply to Marko Von Richards*
Hi Marko,

macOS 32-bit and Android 32-bit are available for installation with C++Builder 10.3.2.

Regarding Android support, I would recommend you have a look at this post:

community.idera.com/.../google-play-store-android-32-bit-extension-for-delphi-and-c-builder-customers

Marko Von Richards *3 months ago in reply to Sarina DuPont*
Thank you Sarina, great news.

kr8zkong *3 months ago*
We are planning to upgrade our build machine to the Windows Server 2019. Does anyone know if Rio 10.3.2 has been tested there? Any info you can provide would be greatly appreciated.

Lorenzo S8493 *2 months ago*
I tried to download the updates but this site (cc.embarcadero.com) not responding. Is not the first time we

Sarina DuPont *2 months ago* *in reply to* *Lorenzo S8493*

Hi,

Please check the following links:

https://community.idera.com/developer-tools/b/blog/posts/10-3-2-installation-workarounds

https://community.idera.com/developer-tools/b/blog/posts/temporary-10-3-2-getit-server-for-installing-10-3-2-add-on-packages

Javier Aguirre *2 months ago*

Hi, after the GetIt server problem, I need to ask you if you have plans for add Spanish language support for the IDE? It would be very appreciated.

Laszlo S6834 *2 months ago*

Where can i download the FMX Linux package for 10.3.2 as the Get it server is down for days now?

Sarina DuPont *2 months ago* *in reply to* *Laszlo S6834*

Hi, please see https://community.idera.com/developer-tools/b/blog/posts/temporary-10-3-2-getit-server-for-installing-10-3-2-add-on-packages