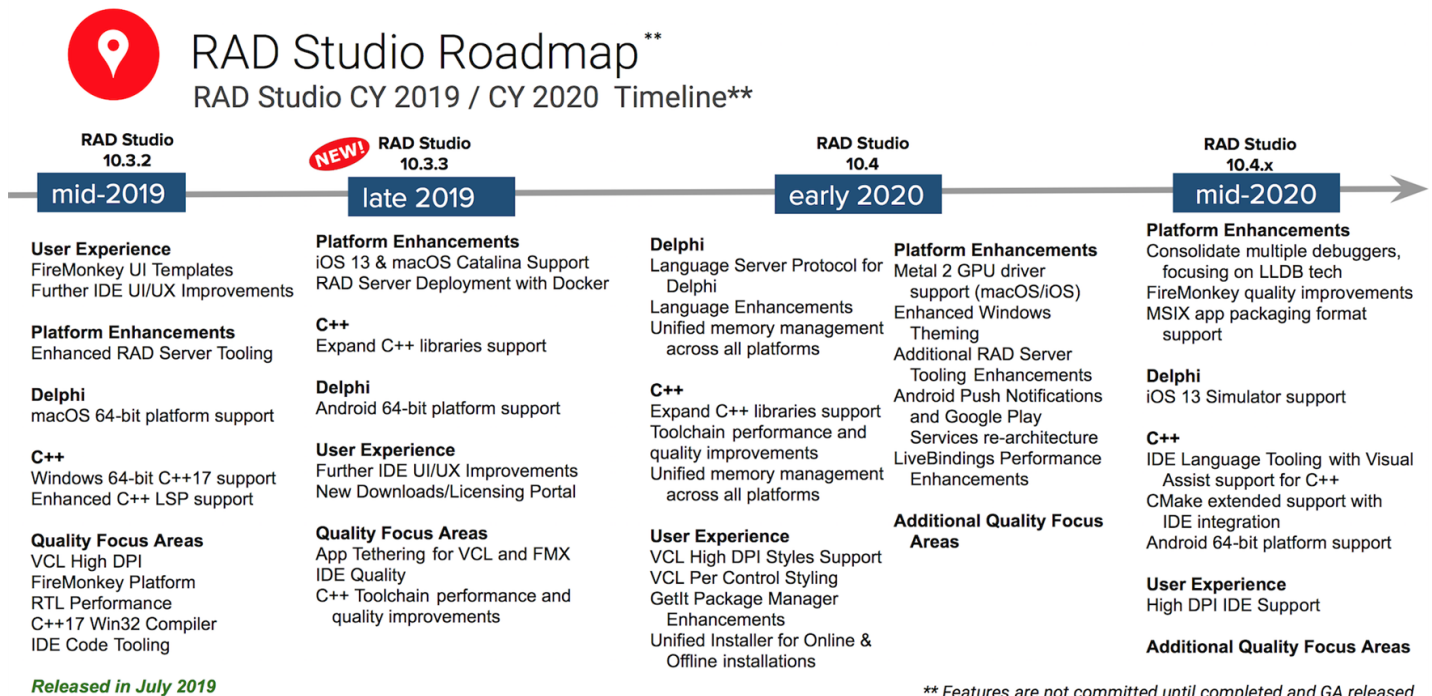




Sarina DuPont 12 Aug 2019

We want to share an update to our [May 2019 roadmap](#) and [PM commentary blog post](#).

Updated - August 2019



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As a follow-up to our 10.3.2 release that introduced macOS 64-bit support for Delphi, C++17 for Windows 64-bit, new RAD Server tooling, key quality enhancements (addressing 400 customer requests) and more, we are planning a 10.3.3 release, with Delphi Android 64-bit being the key new platform feature.

We received many requests for Android 64-bit from our customers and a 10.3.3 release allows us to deliver this speedily and with full compatibility with apps and code developed in 10.3.2.

Given there is no significant change to the Delphi language and the underlying memory management model in 10.3.3, our customers should be able to migrate their applications to Android 64-bit faster. The same is likely true for component vendors. While we still plan to transition the Delphi language for mobile, removing ARC memory management, this will happen at a later time.

As 10.3.2 adoption is high, upgrading to 10.3.3 should be a faster option than migrating applications to 10.4. 10.3.3 will also include additional features and quality improvements to make 10.3.3 one of RAD Studio's best versions.

Please keep in mind that the Google Play Store [extension](#) for our Delphi and C++Builder customers is in effect for existing 32-bit applications. This allows our customers to provide updates to existing applications in the Google Play Store applications until August 2020, but only after an extension has been granted. 10.3.3 will remove this limitation for Delphi by including complete support for Android 64-bit apps.

We're planning on kicking off an NDA Beta for the 10.3.3 release, codenamed Sugarloaf, later this month. All customers on Update Subscription will be invited to participate in the Beta and will be able to start migrating their applications even earlier with Beta versions, which will include a specific Beta EULA waiver permitting Google Play Store deployment.

Here's what's planned for 10.3.3:

Platform Enhancements

- iOS 13 & macOS Catalina Support
- RAD Server Deployment with Docker

C++

- Expand C++ libraries support

Delphi

- Android 64-bit platform support

User Experience

- Further IDE UI/UX Improvements
- New Downloads/Licensing Portal

Quality Focus Areas

- App Tethering for VCL and FMX
- IDE Quality

With the addition of 10.3.3 this fall, we're now planning the 10.4 release for early in 2020. As outlined in our May 2019 PM roadmap commentary [blog.post](#), 10.4 is going to focus on improved code tooling, language enhancements, VCL High DPI styles, RAD Server enhancements, FireMonkey features and quality and more.

Note: *These plans and roadmap represent our intentions as of this date, but our development plans and priorities are subject to change. Accordingly, we can't offer any commitments or other forms of assurance that we'll ultimately release any or all of the described products on the schedule or in the order described, or at all. These general indications of development schedules or "product roadmaps" should not be interpreted or construed as any form of a commitment, and our customers' rights to upgrades, updates, enhancements and other maintenance releases will be set forth only in the applicable software license agreement.*



ments

20 comments 0 members are here



[Yves L7263](#) 2 months ago in reply to [Roger Cigol](#) +2

Android 64-bit for C++ Builder is on the last roadmap for mid 2020, before the deadline set for August 1, 20...



[Lars Fosdal](#) 2 months ago +2

I'd like to know more about the 10.4 Language Enhancements. Is it only Nullable types, or do we get stuff lik...



[Pkl](#) 2 months ago in reply to [Roger Cigol](#) +1

I'm glad to see Android 64 support on the C++ roadmap. I certainly hope is materializes before August 2020!



[Lars Fosdal](#) 2 months ago

I'd like to know more about the 10.4 Language Enhancements.

Is it only Nullable types, or do we get stuff like generics constraints for enumerated types as well?



[Leo](#) 2 months ago

It would be interesting that you could finally create Android Services from c++ builder as delphi allows.



[Hassan F1655](#) 2 months ago

This is wonderful and welcome news! Thanks for listening



[GAI CHEW KAI](#) 2 months ago

Thanks Sarina,

Hopefully, Android 64bit for C++Builder around mid 2020 will be delivered, as the time is very limited, it left C++ customer two months before 1st August 2020 to port to 64bit Android platform plus testing and here is what Google mentioned upon the extension:

"Also, please keep in mind that this extension will be removed on August 1st 2020 without notice"

By the way, just to ask (the worst scenario), in case Android 64bit for C++Builder cannot make it on mid 2020 and extension is removed, what can we do then ?



Roger Cigol *2 months ago in reply to GAI CHEW KAI*

Hi Gai Chew Kai,

Android C++ 64 bit is not yet on the road map - which is a disaster.

See

<https://quality.embarcadero.com/browse/RSP-24562>

All C++ users should be strongly encouraging Embarcadero to address this issue. Without Android support some of the main arguments for using Embarcadero C++ disappear. The "what can we do then?" should be written in bold:

What can we do then? or perhaps shouted: **WHAT CAN WE DO THEN?**

Regards, Roger



Yves L7263 *2 months ago in reply to Roger Cigol*

Android 64-bit for C++ Builder is on the last roadmap for mid 2020, before the deadline set for August 1, 2020 by Google for Embarcadero.



Roger Cigol *2 months ago in reply to Yves L7263*

Well - this is strange ! You are correct - it is shown under 3.4 on the "updated Aug 2019" road map. Embarcadero have added this in without any additional blog post or other publicity! Yet it is a major relief to all C++ users. Why wouldn't they draw everyone's attention to it immediately the decision was taken?

Any way, I for one am very relieved to see it there!



Roger Cigol *2 months ago in reply to Roger Cigol*

I mean 10.4 (typo earlier - sorry).



Pkl *2 months ago in reply to Roger Cigol*

I'm glad to see Android 64 support on the C++ roadmap. I certainly hope it materializes before August 2020!



Vuio *2 months ago*

I hope the App Tethering feature will work well



Juan Martinez *2 months ago*

Thank you very much. It's a very intelligent approach.



This is a great roadmap update, hopefully can be done in time, specially for Android 64 Bit Delphi and C++ Builder before it is fully rejected by Google. And also i noted that there is plan for an updated google play service re architecture, i really hope this is meant for the new App Bundles packaging in Google Play, if it is true, please consider to make the bloated Firemonkey framework library files as the dynamic features modules as if i'm not mistaken, make it possible to download the library separately from the main app files, this will greatly reduce the update size



GAI CHEW KAI *2 months ago*

Embarcadero® C++Builder 10.3 Version 26.0.34749.6593

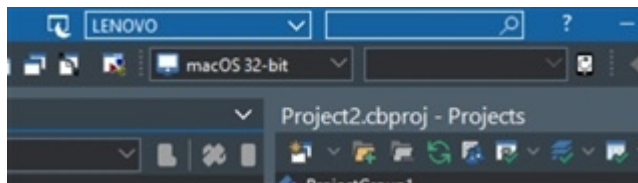
MacOS Mojave version 10.14.4, Mac Mini (Late 2012),

Xcode 10.2.1 (10E1001)

iOS 12.2, iPhone6 (model Number MQ3E2MY/A)

Just to clarify more specific about C++Builder 10.3.2 after tested:

1. The Mojave Mac computer is not listed under the IDE device list although Apple said Mojave is last MacOS supports 32bit application, I thought still can deploy 32bit MacOS app but in this case it is the actual meaning of the removal of MacOS 64bit support from the roadmap.



2. C++Builder 10.3.2 can compile SDK MacOSX 10.13 but failed at SDK 10.14 and cannot deploy due to statement 1 above:



3. C++Builder 10.3.2 can compile and deploy to iOS 12.2 successfully.

4. Any one tested can it deploy to iOS 12.4 ?



[CARLOS JORGE MARTINS](#) *1 month ago*

Is Release 10.3.3 with support for Android 64bits delayed?



[Marko Von Richards](#) *1 month ago in reply to [CARLOS JORGE MARTINS](#)*

The August Roadmap shows:

Delphi 10.3.3 Android 64 -> Late 2019

C++ Builder 10.4 Android 64 -> Mid 2020



[Juan Martinez](#) *1 month ago*

Could I Access to 10.3.3 Beta? Thanks in advance



[Juan Martinez](#) *1 month ago*

Could I Access to 10.3.3 Beta? Thanks in advance



[Sarina DuPont](#) *1 month ago in reply to [Juan Martinez](#)*

Hi Juan,

If you're on Update Subscription and are interested in joining the 10.3.3 NDA beta and haven't received the invite we sent out, please contact your Embarcadero sales representative.



[Juan Martinez](#) *1 month ago in reply to [Sarina DuPont](#)*

Thanks



[German Gentile](#) *2 days ago*

No linux arm compilers planned for 2020 neither. Very disappointed. Seems like always will be another priority? IOS 13 simulator support middle of 2020? When it is already delivered in 2019? Is not supposed the subscription system (AKA take my moment every year) will bring an instant support to new IOS and android releases? Have no sense if don't... Your are taking wrong management decisions right now. a Full year to support a technology? when you deliver that maybe we have IOS 14... Lack of a compiler for linux arm force me to look for an alternative, and if that alternative work is very probable I will stop giving me money every year. I bet im not the only one. Just think about it. many options out there supporting IOS 13 even in beta... Very bad news.