



# CODERAGE 2020

# Universo RAD: O que esperar de 2020? Novidades para o seu desenvolvimento

Fernando Rizzato

Lead Software Consultant/LatAm

[fernando.rizzato@embarcadero.com](mailto:fernando.rizzato@embarcadero.com)

# AGENDA

- O que entregamos em 2019?
- Status de Plataformas 2019/2020
- Revisão do Roadmap
- Comunidade
- #Delphi25th

# RAD Studio – Entregas em 2019

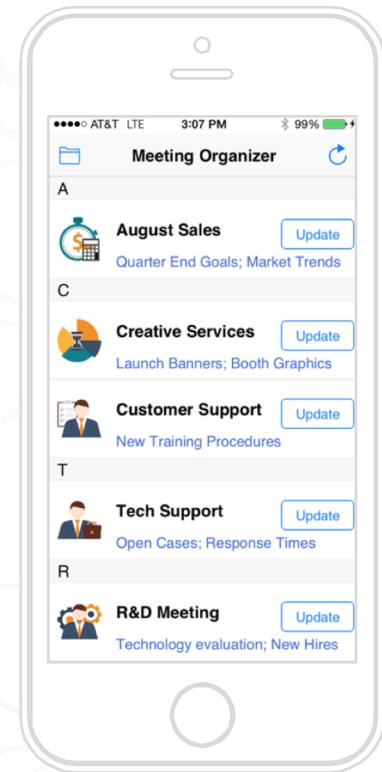
Novas Versões da Série Rio 10.3 (Novembro/2018)

- 10.3.1 => Fevereiro 2019
- 10.3.2 => Julho 2019
  - FMXLinux
  - Delphi macOS 64-bit
  - C++ 17 para Win64
- 10.3.3 => Novembro 2019
  - Delphi Android 64-bit
  - Enterprise Connectors (70+ drivers)

\*\*\* A equipe de R&D do RAD Studio entregou duas novas plataformas Delphi em um único ano pela primeira vez na história!

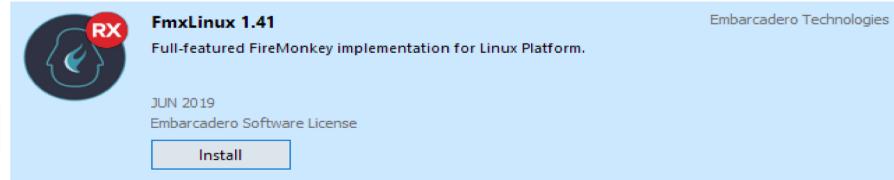
# Novo no RAD Studio 10.3.1

- Suporte expandido para dispositivos das séries iOS 12 e iPhone X
- Redesign da interface do usuário do RAD Server Console com Ext JS
- Suporte aprimorado no FireDAC para Firebird 3.0.4 e Firebird embutido (desktop)
- Novos estilos VCL e FMX (15)
- Bookmarks e Navigator (disponível via GetIt)
- 150+ Melhorias de Qualidade



# Novo no RAD Studio 10.3.2

- Delphi macOS 64-bit
- C++17 para Windows 64-bit
- C++ LSP Code Insight Melhorias & Novos Recursos
- RAD Server Wizards e Melhorias no Deployment
- Android Push Notification com Firebase
- Delphi Linux FireMonkey GUI (FMXLinux)
- 400+ Melhorias de Qualidade



# Novo no RAD Studio 10.3.3

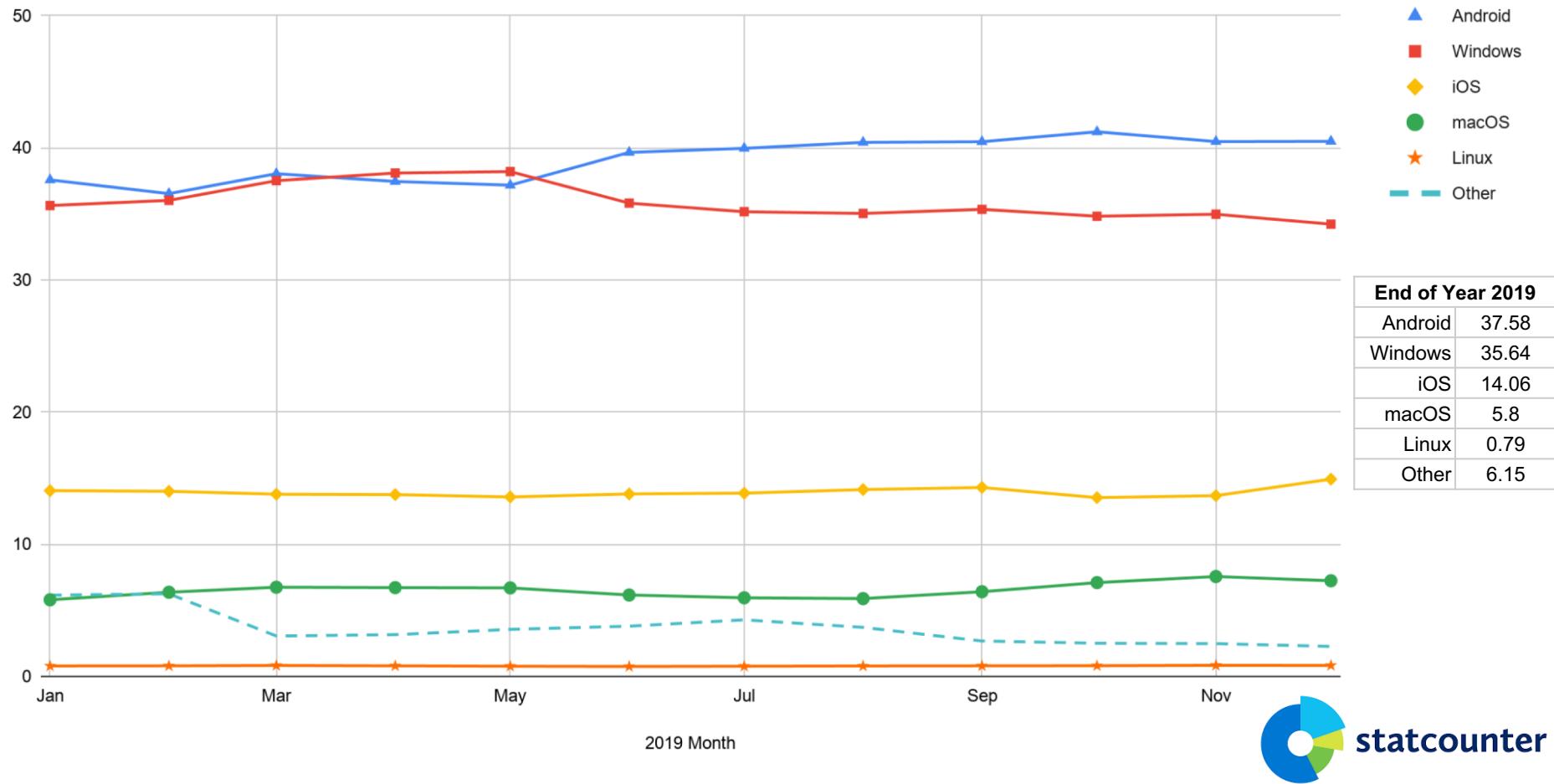
- Delphi Android 64-bit
- macOS Catalina (Delphi) e iOS 13
- RAD Server – Suporte Docker
- Enterprise Connectors (70+ drivers)
- Melhorias AppTethering
- Qualidade do Compilador C++ Clang
- Melhorias Contínuas da IDE



# InterBase 2020 (Lançado em Nov 2019)

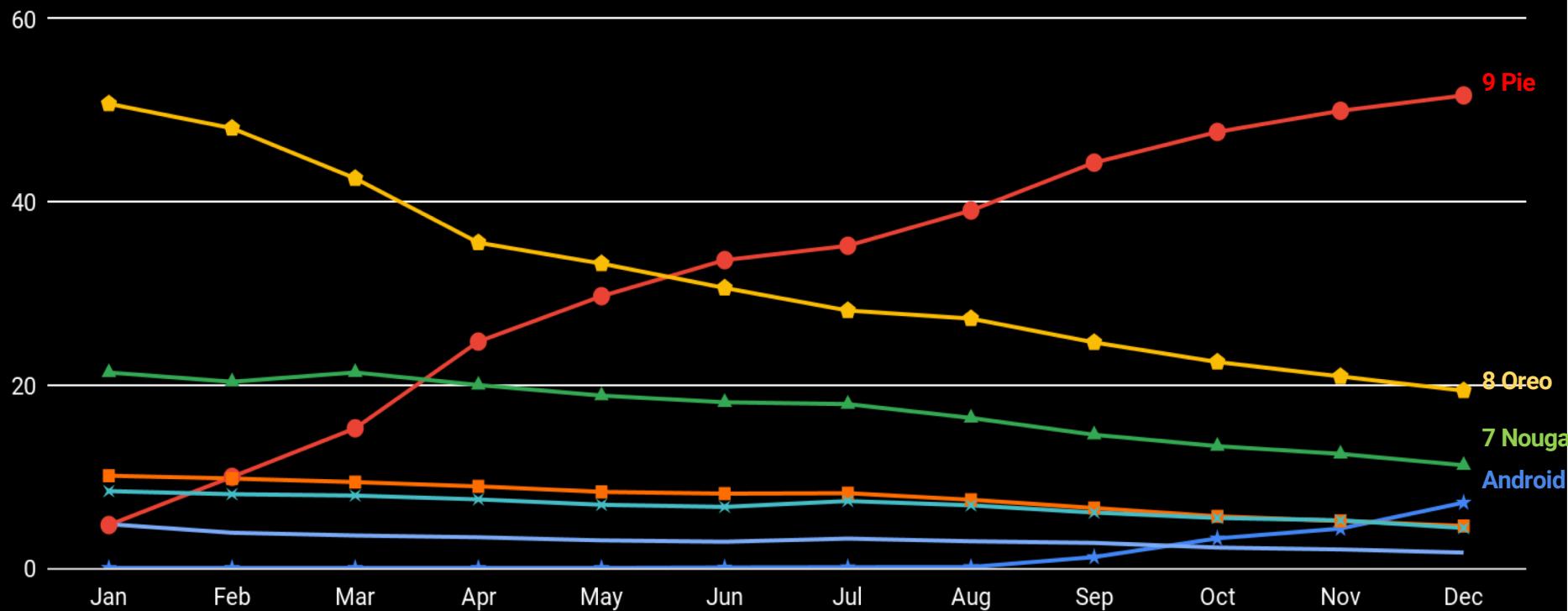
- O que é o InterBase?
  - RDBMS da Embarcadero de design compacto e eficiente, seguro, incorporável, de administração zero
- InterBase Server 2020
  - Novo recurso principal: TableSpaces
  - Melhorias adicionais e suporte ao IBConsole com TableSpaces
  - Novas plataformas IBLite/ToGo (Android de 64 bits e macOS de 64 bits)
  - Change Views™ – Patente concedida

## Overall Operating System Market Share (Worldwide)



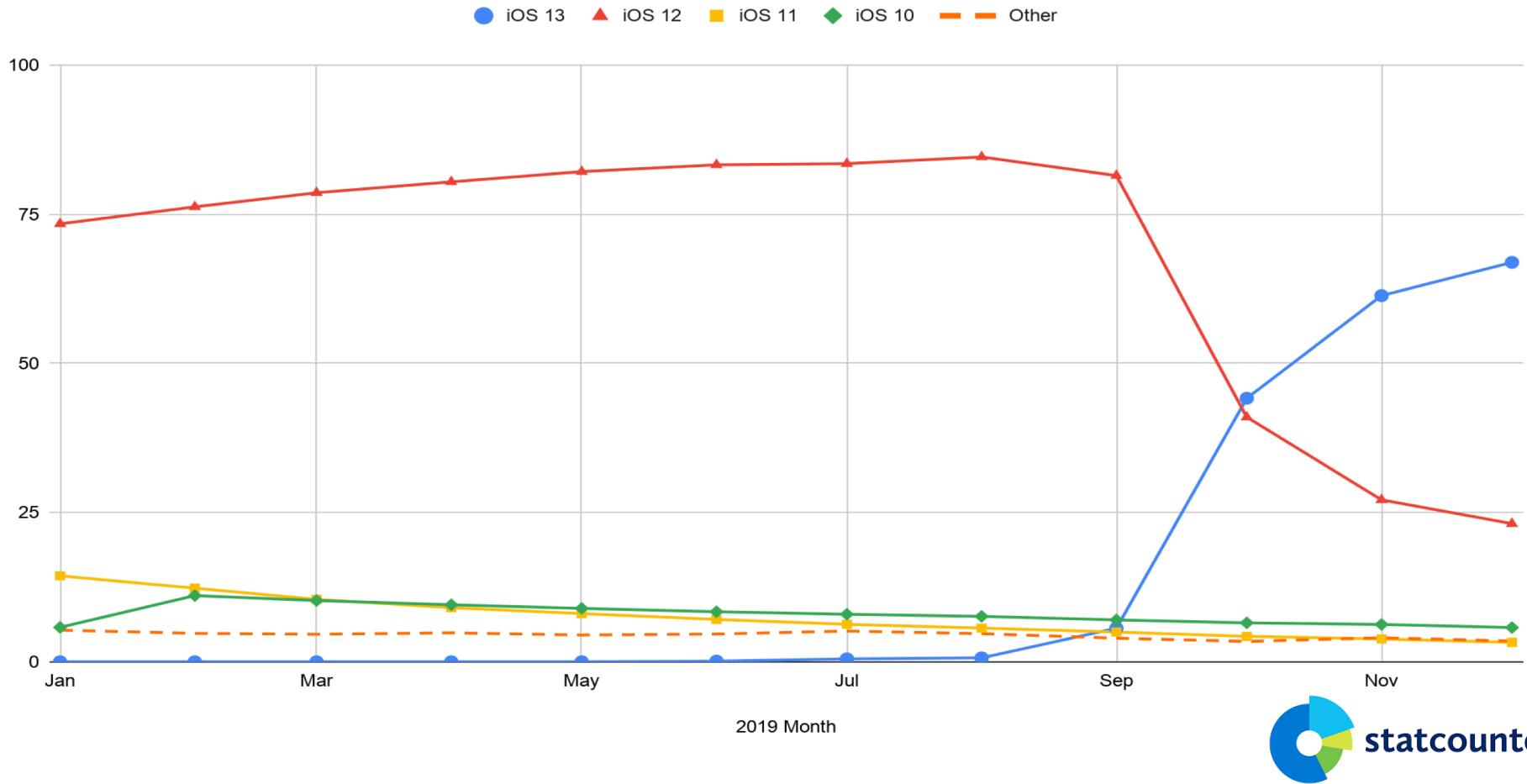
# 2019 Android Version Popularity

★ Android 10 ● 9 Pie ▲ 8 Oreo ▲ 7 Nougat ■ 6 Marshmallow ✕ 5 Lollipop — Other

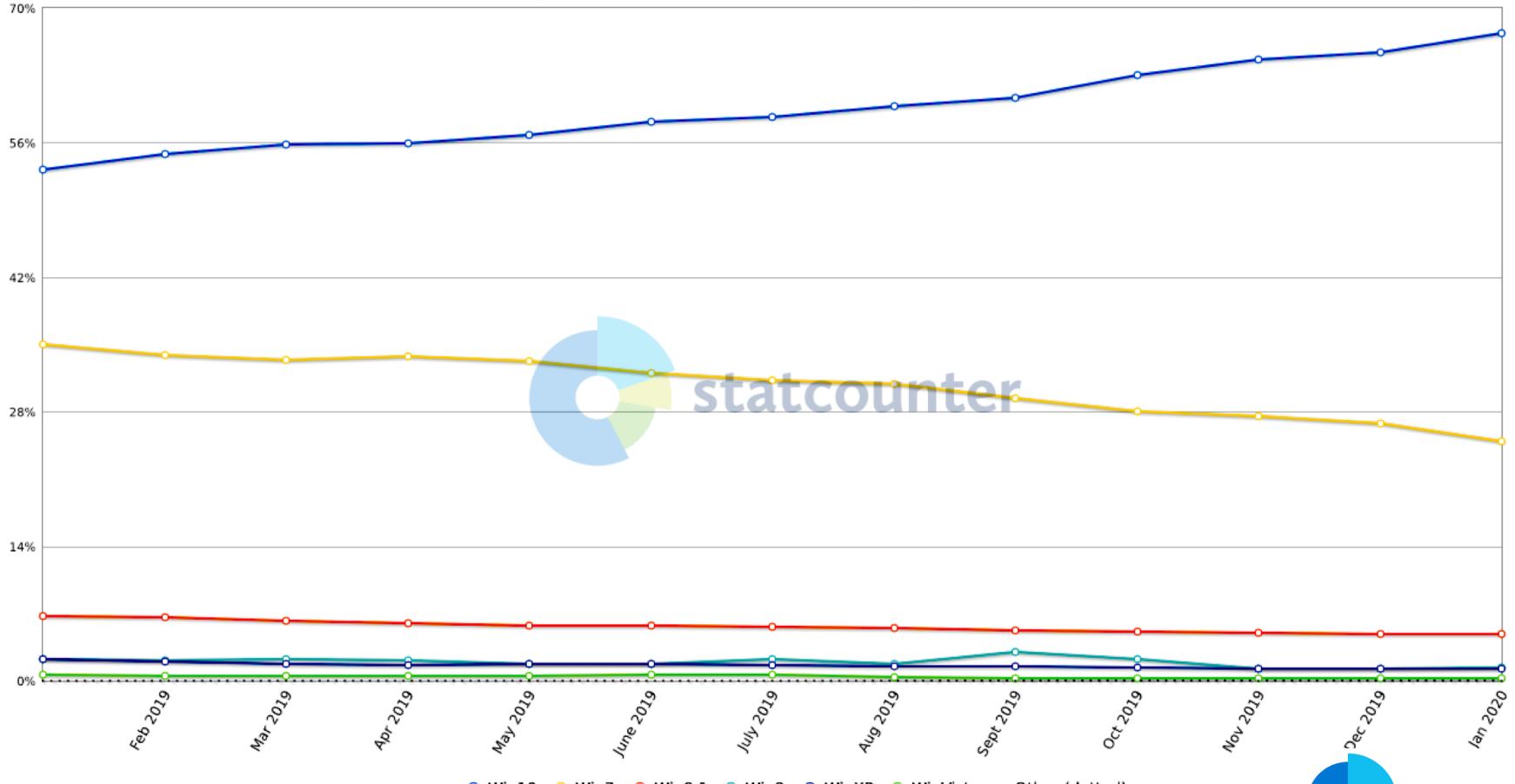


2019 Month

## iOS Versions (Worldwide)

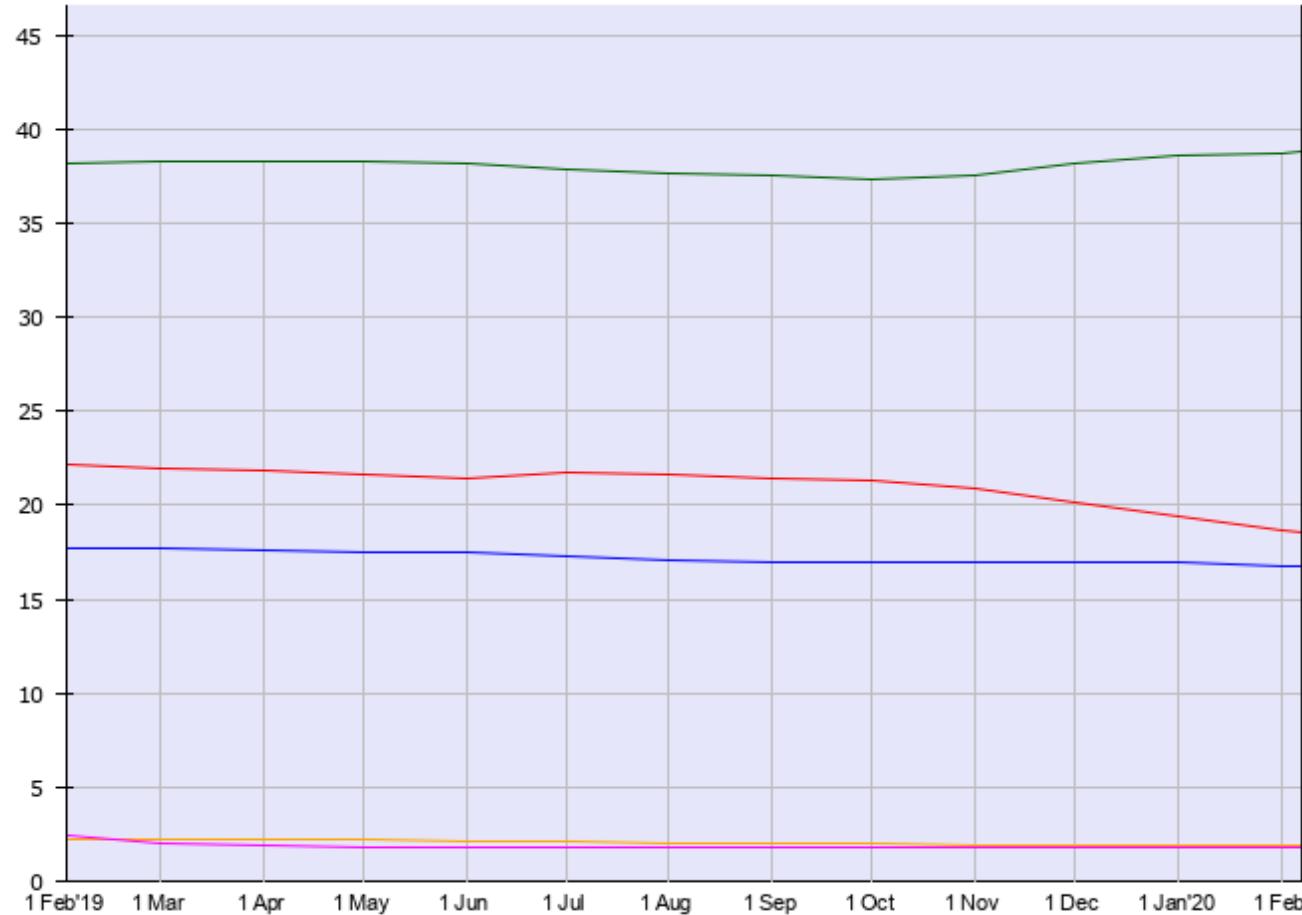


StatCounter Global Stats  
Desktop Windows Version Market Share Worldwide from Jan 2019 - Jan 2020

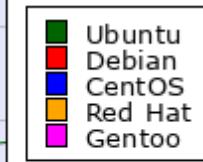


Win10 Win7 Win8.1 Win8 WinXP WinVista Other (dotted)





Usage of Linux subcategories for websites, 7 Feb 2020, W3Techs.com



# Desktop Linux Now Has its Highest Market Share Ever

Last updated March 4, 2019 By [Derick Sullivan M. Lobga](#) — [47 Comments](#)

## Windows 7 is dead -- switch to the Ubuntu-based Linux Lite 4.8 NOW!



By [Brian Fagioli](#) | Published 4 weeks ago

[Follow @brianfagioli](#)

[56 Comments](#)

[Like 81](#)

[Share](#)

[Tweet](#)



## The State of Desktop Linux 2019

by Bryan Lunduke on December 31, 2018



# Próxima Versão Principal – 10.4 \*\*

- Principais recursos 10.4 planejados: Ferramentas de código aprimoradas, desenvolvimento moderno para Windows, novos recursos de linguagem e muito mais
- Planejamos lançar o programa 10.4 Beta nos próximos meses
- Se você estiver com assinatura de manutenção ativa, será convidado a participar da versão beta

\*\* os planos podem ser alterados até o lançamento efetivo



# RAD Studio Roadmap\*\*

## RAD Studio CY 2019 / CY 2020 Timeline\*\*

**RAD Studio  
10.3.2**

mid-2019

**RAD Studio  
10.3.3**

late 2019

**RAD Studio  
10.4**

early 2020

**RAD Studio  
10.4.x**

mid-2020

**User Experience**  
FireMonkey UI Templates  
Further IDE UI/UX Improvements

**Platform Enhancements**  
Enhanced RAD Server Tooling

**Delphi**  
macOS 64-bit platform support

**C++**  
Windows 64-bit C++17 support  
Enhanced C++ LSP support

**Quality Focus Areas**  
VCL High DPI  
FireMonkey Platform  
RTL Performance  
C++17 Win32 Compiler  
IDE Code Tooling

**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  
C++ Toolchain performance and quality improvements

**Delphi**  
Language Server Protocol for Delphi  
Language Enhancements  
Unified memory management across all platforms

**C++**  
Expand C++ libraries support  
Toolchain performance and quality improvements  
Unified memory management across all platforms

**User Experience**  
VCL High DPI Styles Support  
VCL Per Control Styling  
GetIt Package Manager Enhancements  
Unified Installer for Online & Offline installations

**Platform Enhancements**  
Metal 2 GPU driver support (macOS/iOS)  
Enhanced Windows Theming  
Additional RAD Server Tooling Enhancements

**C++**  
Android Push Notifications and Google Play Services re-architecture  
LiveBindings Performance Enhancements

**Additional Quality Focus Areas**

**Platform Enhancements**  
Consolidate multiple debuggers, focusing on LLDB tech  
FireMonkey quality improvements  
MSIX app packaging format support

**Delphi**  
iOS 13 Simulator support

**C++**  
IDE Language Tooling with Visual Assist support for C++  
CMake extended support with IDE integration  
Android 64-bit platform support

**User Experience**  
High DPI IDE Support

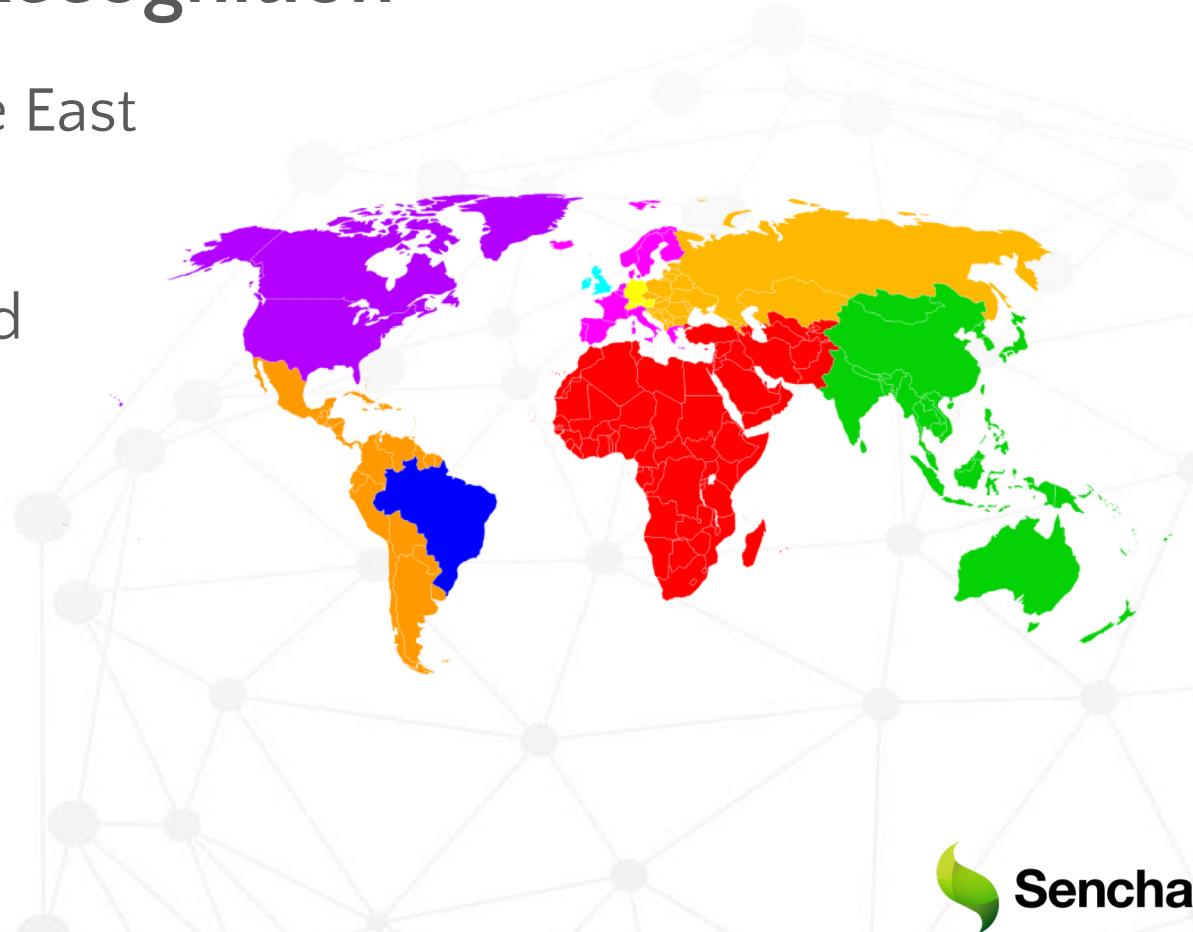
**Additional Quality Focus Areas**

*Released in July 2019*

*\*\* Features are not committed until completed and GA released*

# Regional MVP Recognition

- Africa and Middle East
- Asia-Pacific
- Brazil
- Britain and Ireland
- DACH
- Eastern Europe
- Europe
- LatAm
- North America



# Brasil

- Landerson Gomes dos Santos
- Coordenador do Programa Acadêmico da Embarcadero no Brasil
- Campeão do *LearnDelphi.org*
- <http://twitter.com/landersongomes>
- [lsantos@embarcadero.com.br](mailto:lsantos@embarcadero.com.br)



# Eventos (físicos) de 2019

- QCON (Maio)
- TDC São Paulo (Julho)
- CONFERENCE (Outubro)
- TDC POA (Novembro)
- Acadêmicos\*





Feb 14th, 2020



## Happy 25th Birthday Delphi! #Delphi25th

---

Fri, Feb 14, 2020 3:00 PM - 4:00 PM ART

[Show in My Time Zone](#)

Join Chief Developer Advocate Jim McKeith for this Celebration of All Things Delphi in observance of Delphi's 25th Birthday. A look back at the highlights of the last 25 years of software development excellence. With a foundation like this, great things are sure to come.

Delphi entered the world on February 14th, 1995 as the best Windows 3.11 development tool (16-bits). Today, not only is it still the best solution for developing Windows applications in 32 and 64-bits, but it also supports macOS, Android, iOS, and Linux.

<https://embt.co/Delphi25thWebinar>

#Delphi25th



---

\*Required field

First Name\*

Last Name\*

Email Address\*

State/Province

# Cool Apps - Envie seu projeto/produto!

- <https://community.idera.com/developer-tools/b/blog/posts/cool-apps-get-even-cooler-139672730>
- <https://community.idera.com/tags/Cool%2bApps>



# Referências

- <https://community.idera.com/developer-tools/b/blog/posts/august-2019-delphi-android-beta-plans-august-roadmap-update>
- <https://community.idera.com/developer-tools/b/blog/posts/may-2019-rad-studio-roadmap-commentary-from-product-management>
- <https://www.omgubuntu.co.uk/2019/12/linux-predictions-2020>
- <https://opensource.com/article/19/8/how-linux-desktop-grown>
- <https://www.linuxjournal.com/content/state-desktop-linux-2019>
- <https://itsfoss.com/linux-market-share/>
- <https://www.embarcadero.com/partners/mvp-directory>
- <https://embt.co/Delphi25thWebinar>

# Obrigado! Gracias! Thank you!

Fernando Rizzato

Lead Software Consultant/LatAm

[fernando.rizzato@embarcadero.com](mailto:fernando.rizzato@embarcadero.com)