

Tecnologías, ambientes de desarrollo y mercados

Contexto actual

Sistemas Operativos



Android 10



iOS 13.3

iOS 13 iPadOS 13

tvOS 13

watchOS 6

Sistemas Operativos

Year	2017	2018	2019	2020	2021	2022	2023
Android	85.1%	85.1%	86.7%	86.6%	86.9%	87.0%	87.1%
iOS	14.7%	14.9%	13.3%	13.4%	13.1%	13.0%	12.9%
Others	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

<https://www.idc.com/promo/smartphone-market-share/os>

Sistemas Operativos

Mobile OS Share - Version	
iPhone	23.02%
Android 6.0	20.69%
Android 5.1	11.65%
Android 7.0	10.78%
Android 4.4	9.65%
iPad	9.25%
Adroid 5.0	4.33%
Android 4.2	1.99%
Android	1.72%
Android 7.1	1.58%
Android 4.1	1.10%

Marcas y SO



OnePlus



HarmonyOS



**Hardware Apple propio
únicamente**

**iPhone
iPad**

**AppleTv
AppleWatch
HomePod**

Lenguajes de programación y herramientas nativas



Android
Studio

Java



Xcode

Swift, objective C



Xamarin

C#

Lenguajes de programación y herramientas híbridas



Flutter



React Native



ionic



Framework7



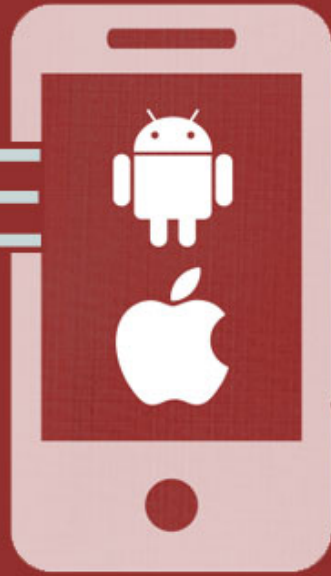
PhoneGap

Java Script

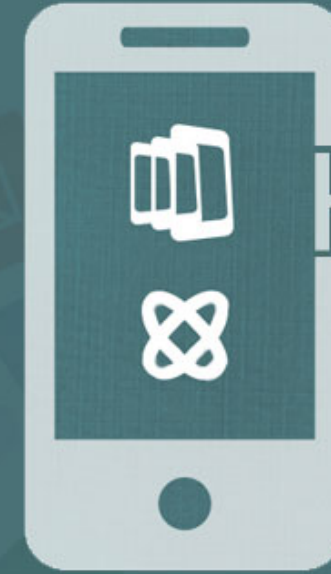
HTML 5

CSS

NATIVE APPS



VS



HYBRID APPS

PROS

- Can function in offline mode
- Total Device integration (GPS, camera, calender, push notifications, contacts)
- Can be downloaded from app stores (Google Play, App store, Windows store)
- Superior UX
- Smooth Functionality

CONS

- Requires more effort
- Require more developers
- High priced development
- Low code reusability
- Upgrade Inflexibility

PROS

- Faster development
- Flexible to upgrades
- Suitable for BYOD programs / Device friendly
- Low development cost

CONS

- Unimpressive UX
- Low efficiency
- Uneven navigation functionality
- Needs internet connectivity to operate