

SAMSUNG

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How Carriers and Manufacturers Make Android Phone's Slower



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Background Info

- Android's key to success and biggest problem
 - Openness to all markets and phone carriers
- Android's openness allows for anyone to develop **new** functionality
- **The Bad:** carriers and phone manufacturers additional features to their products



iOS vs. Android OS

iOS (Apple)



- Closed system
- Controlled quality
- Designed for Apple only
- Commercial Based Source
- Supports 34 languages

Android (Google)



- Open system
- Widely available
- Designed for all companies
- Open source
- Supports 100+ languages

“The Android platform is successful because carriers and manufacturers are free to produce a wide variety of different devices and customize their software. However, this is also the cause of Android’s biggest problems.”



CAMERON SUMMERSON
EDITOR IN CHIEF/REVIEW GEEK

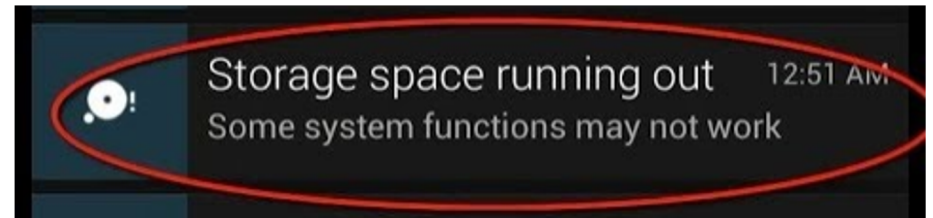
Bloatware You Can't Uninstall

Bloatware: *Pre-installed software by the phone's manufacturer or the carrier*

Useful



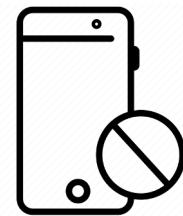
Takes up space



Useless

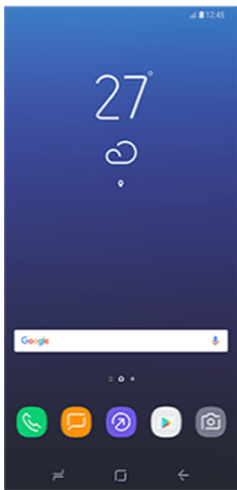


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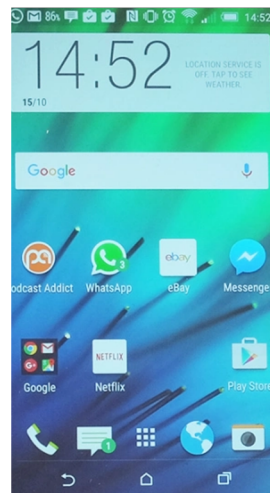


Skins You Can't Disable

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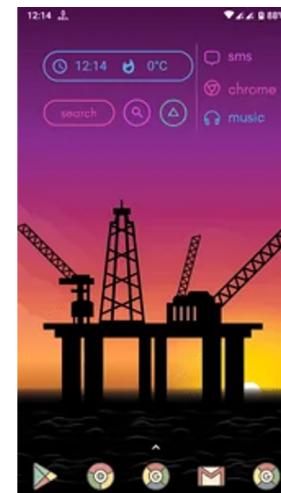
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Motorola



Nova Launcher



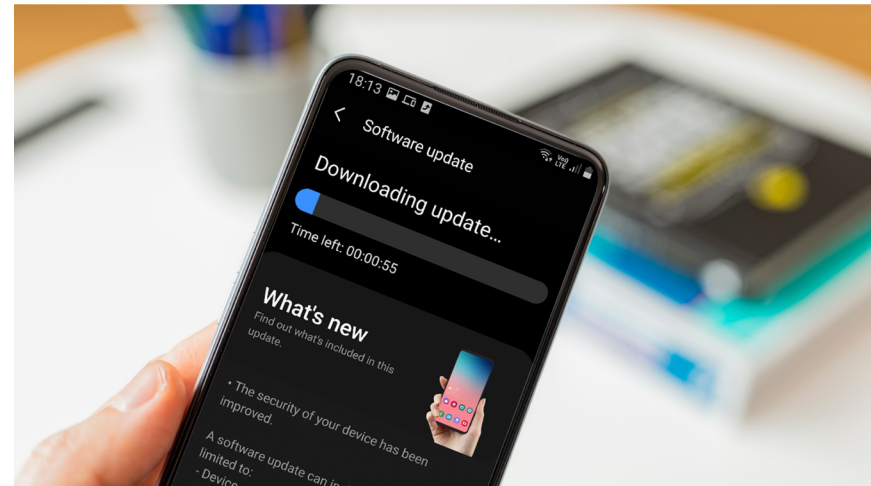
Blocked Apps and Disabled Features

- Tethering
- Android Pay
- Samsung Pay
- Disabled access of services



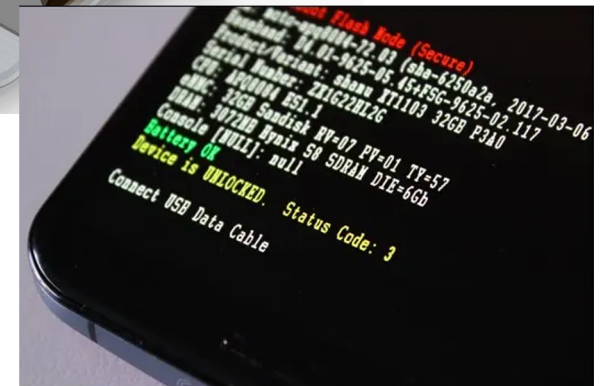
Unreleased and Delayed Updates

- Android versions are manufacturer specific
 - Need approval from carriers
 - Longer wait times for updates
- Flagships release few updates
- Budget phones release no updates



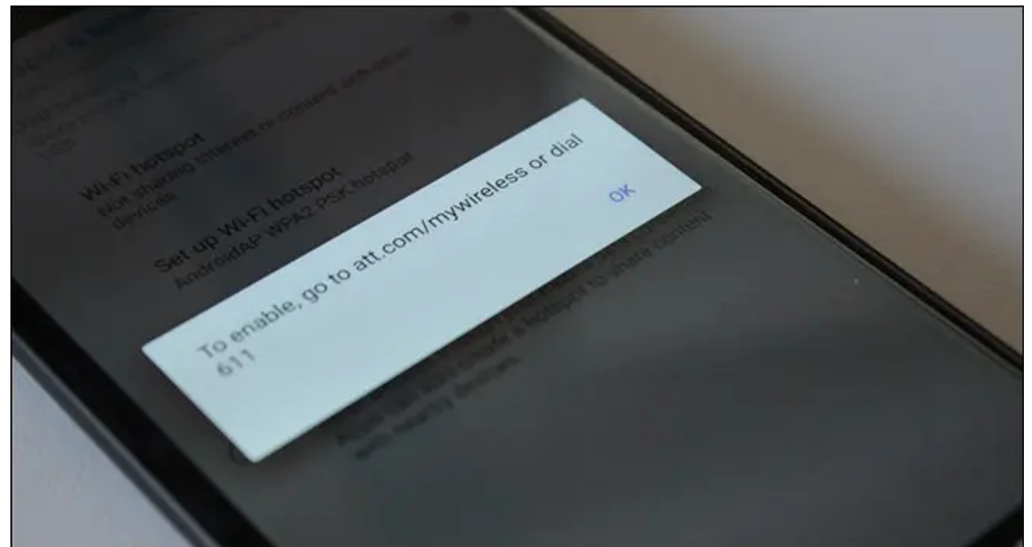
Locked Bootloaders

- Phones need approved OS
- Unlockable bootloader
 - Risk voiding warranty
- Manufacturers give no way to unlock
 - Cannot update Android
 - Risk using security vulnerability



Summary

- Bloatware you can't uninstall
- Phone skins you cannot disable
- Carriers can block apps and features
- Unreleased and delayed updates
- Locked bootloaders from factory



Question to lead discussion

What should smartphone carriers and manufacturers change in order to limit the

