

The treasure map to  
**Embedded Android**



**6 challenges**  
of using standard Android in  
embedded systems.

# 1 Desert of missing intentions

Android was intended for mobile devices that have a fixed set of peripherals. Its use in embedded systems, which are far more custom, is not always straightforward.



# 2 Forest of un-supported hardware

For each new product, Android needs to be tweaked as it does not run on arbitrary hardware. Can you afford to customize the ASOP (Android Open Source Project) to your hardware needs?



# 3 Mountains of required features

To use Android in professional environments, it requires enterprise functionality, such as OTA updates, application lockdown and remote management.





# 4 Lake of missing knowledge

Hiring Android and Linux experts is difficult and costly. However, to gain the required knowledge and be able to support on the system level, those experts are crucial.



# 5 Valley of slow and complex process

Considering the size and complexity of the AOSP, progress can be very slow without in-depth Android knowledge. Even experienced developers can have a hard time.



# 6 Winds of change

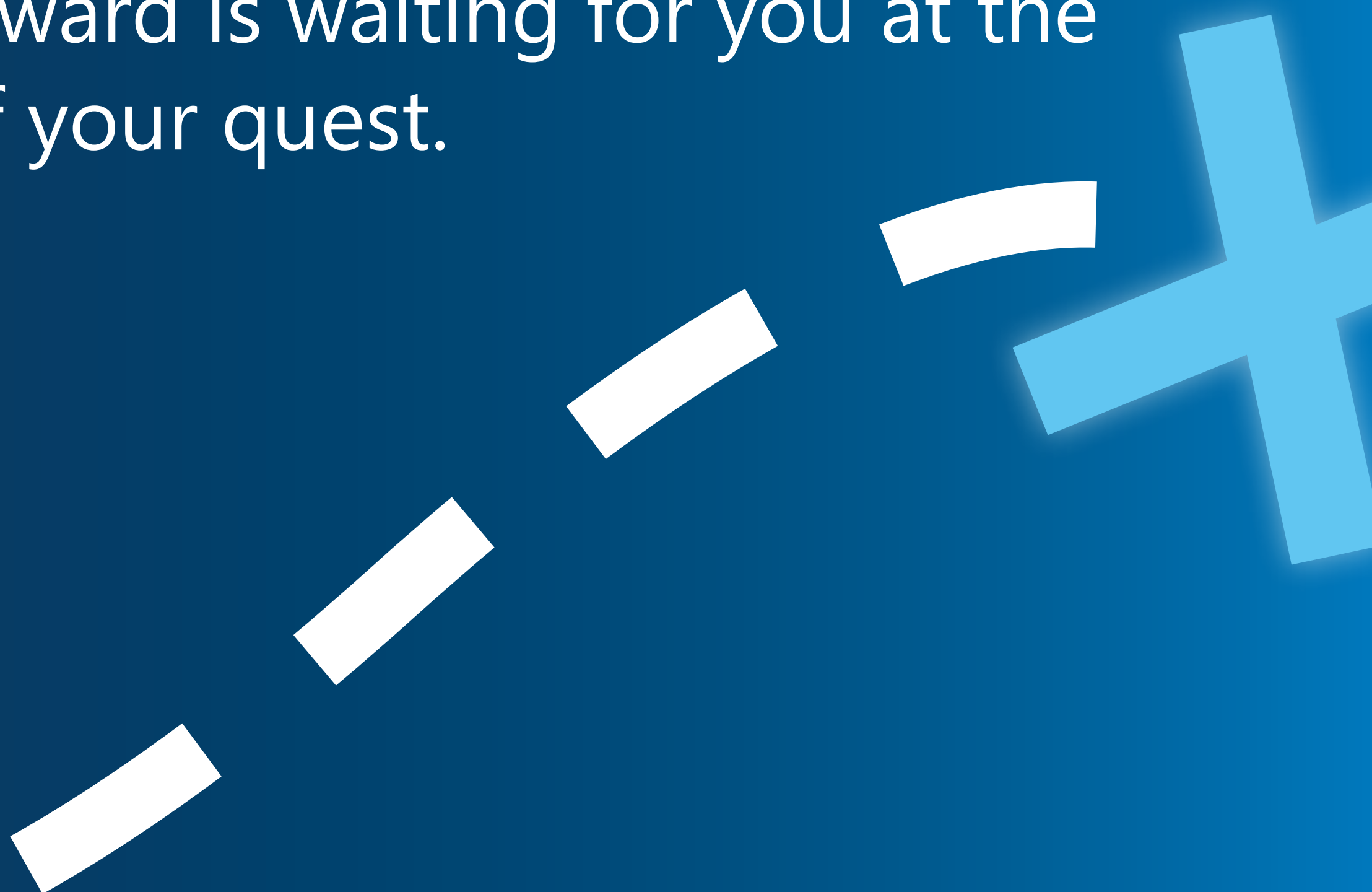
To be able to quickly fix bugs or add functions, IoT devices must be updatable. This requires complex infrastructure for automatic builds, code signing and more.



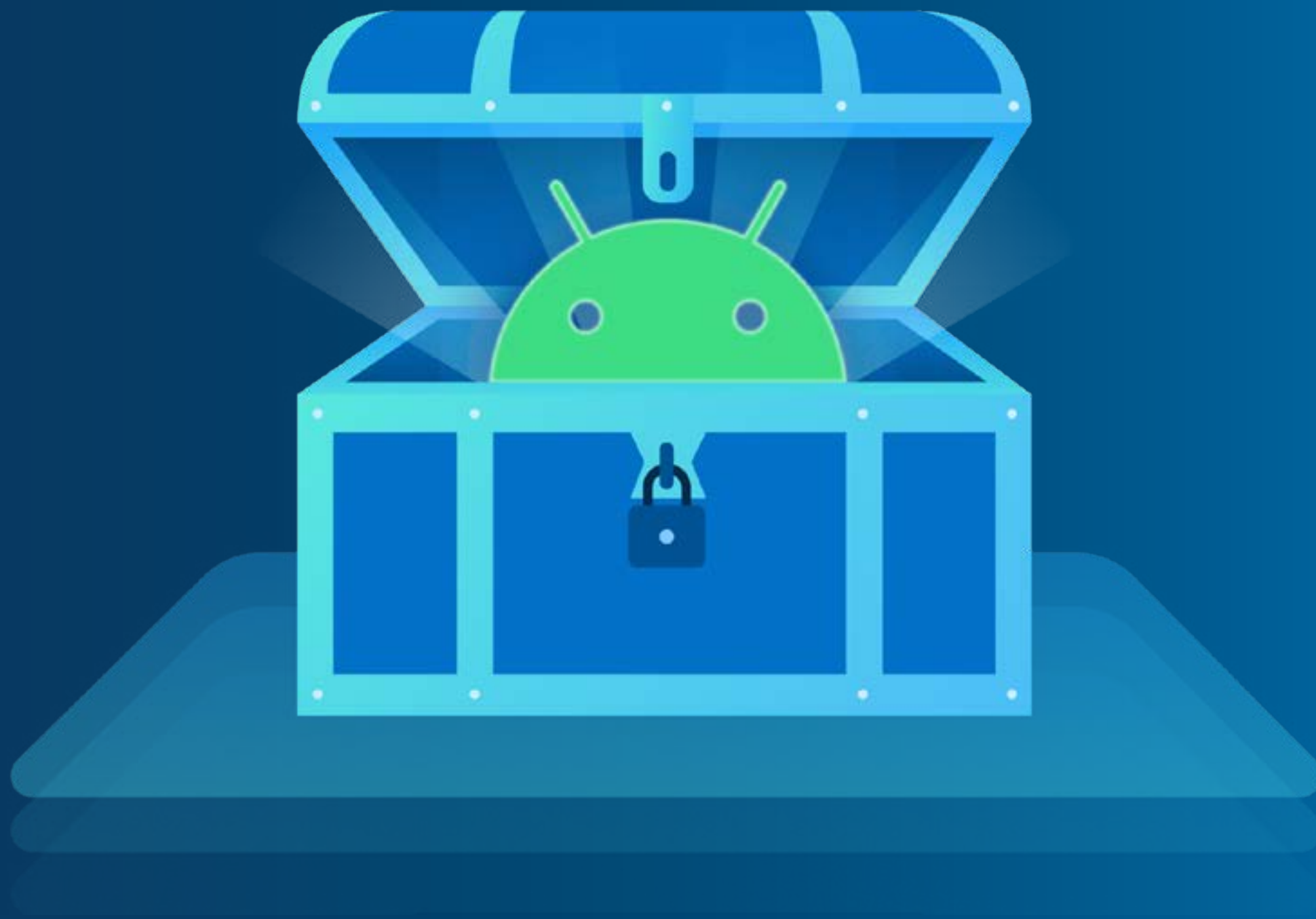
# The challenges sound impossible to overcome?

Benefit from the advantages without dealing with the challenges.

The reward is waiting for you at the end of your quest.







**Find out what's in the  
treasure chest!**

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