

ABSTRACT

The present invention discloses method, storage medium and device for avoiding fixed resources in an Android OS. The method includes three stages: I. when compiling, processing resources of a host referenced in java code, obtaining R.jar and modifying bytecode thereof, removing all final fields in class, and modifying an inline value in the class to ensure that all resource IDs of a host referenced in a plug-in are referenced by using R; II. at run time, processing resources of a host referenced in xml code, obtaining ap_file by using aapt2, finding corresponding target information according to R.txt, and packaging into apk; and III. when installing, modifying xml and resources.arsc files in a patch based on a mapRes method according to a compiled configuration file, and modifying a byte array of apk. According to the present invention, the problems of mismatching and instability of resource references caused by other factors are resolved, and dynamic matching ensures stability of target references, reduces access costs and resolves the problems of compatibility and compromise caused by fixed resources.

[Fig. 1]