

# What Features Are Lost When An iOS App Is Re-Signed to the test IO License?

In addition to Push Notifications, the following is a comprehensive list of which entitlements/ extensions work (and don't work) after re-signing to the test IO license.

Extension/Entitlement	Will Functionality work after resign?	Comment/Explanation
iCloud capability	NO	The iCloud storage area won't work between apps since we change the container identifiers.
Game Center	NO	Game Center functionality won't work.
Passbook capability	NO	Passbook functionality won't work.
Apple Pay capability	NO	Apple Pay won't work with the resigned app.
In-App Purchase capability	NO	The In-App Purchase is not going to work in the resigned app.
Maps capability	YES	
Personal VPN capability		When using the Wild Card profile the key has to be deleted so the app won't have Personal VPN functionality. To maintain the functionality, the enterprise profile with explicit Apple ID needs to be used.
Background Modes capability	YES	
Inter-App Audio capability	YES	
Keychain sharing capability	NO	To resign the app with access groups specified, we replace the values with our own team identified, hence the resigned app won't be able to access data from the other app from the same developer which was initially in the same access group.

Associated Domains capability	NO	The functionality won't work because we remove the key to code sign the app.
App Groups capabilities	NO	The App Groups won't work when signed with the Wild Card profile. There's an option to sign with a profile with explicit App ID with App Groups enabled, but we cannot provide the same group ID there as an original app, hence the app cannot make use of this functionality.
HomeKit capabilities	NO	The HomeKit won't work when signed in with Wild Card profile. There's an option to sign with a profile with explicit App ID with HomeKit enabled.
Data Protection capabilities	NO	The Data Protection won't work when signed with Wild Card profile. There's an option to sign with a profile with explicit App ID with Data Protection enabled.
HealthKit capabilities	NO	The HealthKit won't work when signed with Wild Card profile. There's an option to sign with explicit App ID with HealthKit enabled.
Wireless Accessory Config capabilities	NO	The Wireless Accessory won't work when signed with Wild Card profile. There's an option to sign with explicit App ID with Wireless Accessory enabled.
App Extension	YES	Initially we thought that when an app has extensions (which are in a form of subapps in the main app under Plugins folder), we need to use the profile with the explicit App ID. As it turns out, we can resign an app with extensions with the Wild Card. In order to do that, we need to remove the specific entitlements keys both from the main app and its extensions. We've also managed to implement resign flow for the app with extensions to use explicit App ID, this way some of the functionalities provided by capabilities will be preserved.
CarPlay capability	NO	The CarPlay won't work since we are not able to resign with the profile that contains aforementioned key in entitlements -it requires a special entitlement issued by Apple.