

iOS Resigning

iOS apps resigning allows to change a signature of IPA files to selected signature based on the enterprise (or ad hoc) provisioning, so community testers can install apps on their devices.

More on signing can be found [in the documentation from Apple](#).

Supported capabilities

Maps capability

Entitlement keys:

- none

Comment

Resigning doesn't affect this capability, no further modifications are done by the script.

Background Modes Capability

Entitlement keys:

- none

Comment

Resigning doesn't affect this capability, no further modifications are done by the script.

Inter-App Audio Capabilities

Entitlement keys:

- inter-app-audio

Comment

Resigning doesn't affect this capability, no further modifications are done by the script.

Conditionally supported capabilities (not available with AIS without modifications)

App Extension

Comment

Wildcard profile can't be used to resign the app with App Extension (e.g. share extension or widgets). To achieve the functionality resigner uses enterprise profile with explicit App ID. However, there's a workaround for AIS described [here](#).

iCloud Capability

Entitlement keys:

- com.apple.developer.icloud-container-development-container-identifiers (identifiers specified by developer or default)
- com.apple.developer.icloud-container-identifiers (same as above)
- com.apple.developer.ubiquity-container-identifiers (same as above)
- com.apple.developer.icloud-container-environment (values like Production and Development)
- com.apple.developer.icloud-services (e.g. CloudDocuments, CloudKit)
- com.apple.developer.ubiquity-kvstore-identifier (e.g. BX5TGR5H3Y.*)

Comment

The bundle ID of the app is changed. If any part of client's app codebase relies on the Bundle ID (like endpoints providing for some white-label apps), codebase should be adjusted too. New bundle ID would be: com.applause.instrumentedapp.

[Apple's guide](#) on how the iCloud containers work. If developer specified custom container ID in his entitlements, our resigned app won't match them and there will be no iCloud data sync in the app.

Keychain Sharing Capability

Entitlement keys:

- keychain-access-groups

Comment

Resigning changes access groups specified, script replaces those identifiers with our own team identifier. The resigned app won't be able to access data from the other app from the same developer which initially was in the same access groups.

Personal VPN Capability

Entitlement keys:

- com.apple.developer.networking.vpn.api

Comment

When using the wildcard profile the key is deleted, so the app won't have Personal VPN functionality. To maintain the functionality the enterprise profile with explicit App ID is used.

Game Center

Entitlement keys:

- none

Comment

Please refer to the [Apple's guide](#) for Game Center. Available since iOS9.

App Groups Capabilities

Entitlement keys:

- com.apple.security.application-groups

Comment

The App Groups won't work when signed with wildcard profile. To maintain the functionality the enterprise profile with explicit App ID explicit App ID with App Groups enabled. We cannot provide the same group ID there as an original app, so functionality might not be available.

For more information please refer to [the Apple documentation](#).

HomeKit Capabilities

Entitlement keys:

- com.apple.developer.homekit

Comment

When using the wildcard profile the key has to be deleted so the app won't have HomeKit functionality. To maintain the functionality the enterprise profile with explicit App ID with HomeKit capability enabled has to be used.

Data Protection Capabilities

Entitlement keys:

- `com.apple.developer.default-data-protection`

Comment

When using the wildcard profile the key has to be deleted so the app won't have Data Protection functionality. To maintain the functionality the enterprise profile with explicit App ID with Data Protection capability enabled has to be used. In such case, script will automatically set `NSFileProtectionComplete`.

HealthKit Capabilities

Entitlement keys:

- `com.apple.developer.healthkit`

Comment

When using the wildcard profile the key has to be deleted, so the app won't have HealthKit functionality. To maintain the functionality the enterprise profile with explicit App ID with HealthKit capability enabled has to be used.

Wireless Accessory Config Capabilities

Entitlement keys:

- `com.apple.external-accessory.wireless-configuration`

Comment

When using the wildcard profile the key has to be deleted so the app won't have Wireless Accessory functionality. To maintain the functionality the enterprise profile with explicit App ID with Wireless Accessory capability enabled has to be used.

Unsupported capabilities

CarPlay Capability

Entitlement keys:

- `com.apple.developer.playable-content` (boolean value)

Comment:

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. Our script removes this capability, to make an app works on the device.

For further information, please refer [the Apple documentation](#).

Passbook capability

Entitlement keys:

- `com.apple.developer.pass-type-identifiers` (if developer uses default then it's `TEAM_ID.*`)

Comment

Since we replace the pass id's to the `TEAM_ID.*` and the pass itself contains the `TEAM_ID` info, the resigned app won't be able to read passes created by the developer of the app. For more, please refer to the [Apple's documentation](#) about pass format.

Apple Pay Capability

Entitlement keys:

- `com.apple.developer.in-app-payments` (contains merchant ids)

Comment:

Apple Pay won't work with the resigned app. There's no way to enable Apple Pay on the Enterprise account, this entitlement will be removed by the script.

In-App Purchase Capability

Entitlement keys:

- none

Comment:

In-App Purchase won't work since it is not supported with enterprise program and it's tightly coupled with customer's iTunes Connect. However, no modifications are performed by the script. For more, please refer to the [Apple documentation](#).

Associated Domains Capability

Entitlement keys:

- com.apple.developer.associated-domains

Comment

This entitlement key has to be deleted, so the app won't have Associated Domains functionality.

The entitlement lists the fully qualified domain names of associated websites. The websites must place a CMS signed file on their server listing the unique app identifiers of apps they've approved.

Other

Test Flight Capability

Entitlement keys:

- beta-reports-active

Comment

This entitlement key is deleted, so the app can be installed as enterprise-distributed app.

Team Identifier

Entitlement keys:

- TeamIdentifier

Comment

This entitlement is updated to Applause's Program Team Identifier.