



L-mobile solutions GmbH & Co. KG



L-MOBILE FIELD APP

Technical description

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APPLE IOS FIELD APP V3

Starting April 2022, all iOS and iPadOS apps and app updates submitted to the App Store [must be built with Xcode 13 and the iOS 15 SDK](#). Existing apps will be removed from the App Store when they do not get updated in time.

Unfortunately for apps built with iOS 15 SDK the application cache feature was removed which our app is currently using to make the application data available offline.

To be able to still provide an offline mode we will make use of the "[App Bound Domains](#)" feature which was introduced in iOS 14. This feature enables an app to access additional APIs like Service Workers which can be used to support offline scenarios. The big downside of App Bound Domains is that you can specify a maximum of 10 domains the app will be using and it won't be able to access other domains when you do that. For customers demanding offline mode on iOS devices there will be two possible options:

CUSTOM APP

A rather new way of distributing apps is to publish them privately on the app store to only specific users or organizations. This allows us to create a [customized app](#) for each customer for their domains. Choosing this option requires the customer to enroll in the [Apple Business Manager](#) first (if they are not enrolled already). Enrolling is free of charge and they will receive a [unique organization id](#) which can be found under Settings - Enrollment Information. When we publish a custom app to the App Store this organization id can then be used to limit a private app's availability to.

ENTERPRISE APP

Larger companies can apply for an [Apple Developer Enterprise Program](#) which allows them to distribute self signed apps in house, bypassing the App Store and the app reviews. Usually this is done using a MDM solution. Those customers can invite our crm-service@l-mobile.com Apple ID to their Apple Developer Enterprise account, then customized apps can be created for their domains and they can distribute the apps themselves.