

IOTIQ's container solution on iOS devices

GENERAL

The container solution for iOS enables the separation of business and private data on a single device. This enables BYOD (**B**ring **Y**our **O**wn **D**evice) and COPE (**C**ompany **O**wned **P**rivately **E**nabled) programs for companies with Apple devices. Company data and networks remain secure, while at the same time the privacy of users is protected as administrators do not have deep insight and control over private data on the devices.

HOW IT WORKS

The separation of the areas is based on a separation of the Apple IDs. In addition to the private Apple ID, a company or educational institution managed Apple ID is installed on the device. This separates data and apps and prevents access to the other area.

In general, Apple distinguishes between two types of apps:

- Apps that are installed by the MDM (managed apps)
- Apps that the user downloads from the App Store (unmanaged apps)

MANAGED APPS

Managed apps are company apps that are installed by the MDM and are connected to the company managed Apple ID. The goal of managed apps is to secure company data that the user has access to. Managed apps are installed and managed by IT. This way, guidelines can be decided on to limit the the interaction with company data. These include:

- Access to certain websites
- Transmission of data between applications
- Saving files
- Copy and paste operations
- PIN access requirements
- Creation of screenshots

UNMANAGED APPS

Unmanaged Apps are private apps that can, as usual, be downloaded from the App Store and are connected to the private Apple ID.

Unmanaged apps are not limited, deleted or installed by guidelines. This ensures that the user is in no way limited and always has full control over their private data.

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Installierte Apps über MDM

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App Name	Paketnamen	Bild
Gmail - Email by Google	com.google.Gmail	

Alle Anwendungen

🔍 Suche ✕

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App Name	Paketnamen	Version	Größe
Gmail	com.google.Gmail	6.0.200412 (6.0.200412.1057542)	56.00 kB
YouTube	com.google.ios.youtube	15.18.4 (15.18.4)	68.00 kB

Example: Gmail is installed on the device as a managed app (red), while YouTube is installed as an unmanaged app (green).

ADVANTAGES

The decisive advantage of the container solution is the data separation. The use of managed and unmanaged apps can prevent that, e.g., business contacts are synced with WhatsApp. Companies can secure their data without limiting the user. This way, companies can provide BYOD and COPE programs while staying compliant with data protection – this has advantages for the employee regarding flexibility and user friendliness, making the employer more attractive.

DIFFERENCE TO ANDROID

Android also offers a container solution with a similar functionality. The main differences lie in the app management. While Android requires an app to be downloaded twice in the business AND the private area, iOS requires a decision between the two (managed OR

unmanaged). For example – if Gmail needs to be used privately and for work on an iOS device, the decision needs to be made in favor of another, independent mail service. For the work area we recommend **MobiVisor Secure Mail** which allows additional security settings and guidelines.