OPEN CONNECTIVITY FOUNDATION®

OTGC
Onboarding Tool and Generic Client
Hands-on Training of OTGC

OCF EU Developer Training (updated October 2021)

DEKRA Testing and Certification, S.A.U.

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DEKRA

Terms and Definitions (I)

- **Onboarding Tool (OBT)**

A logical entity within a specific IoT network that establishes ownership for a specific device and helps bring the device into operational state within that network. A typical OBT implements DOTS (Device Owner Transfer Service), AMS (Access Management Service) and CMS (Credential Management Service) functionality.

- **Onboarding Tool and Generic Client (OTGC)**

A logical entity that implements the functions of an OBT and a Generic Client.

- **Onboarding**

Process that consists in owning an OCF device by the OTGC.

- **Offboarding**

Process that consists in releasing an OCF device owed by the OTGC.

Terms and Definitions (II)

- **OCF Server**

A sensor or actuator capable to generate a measurement or perform an action.

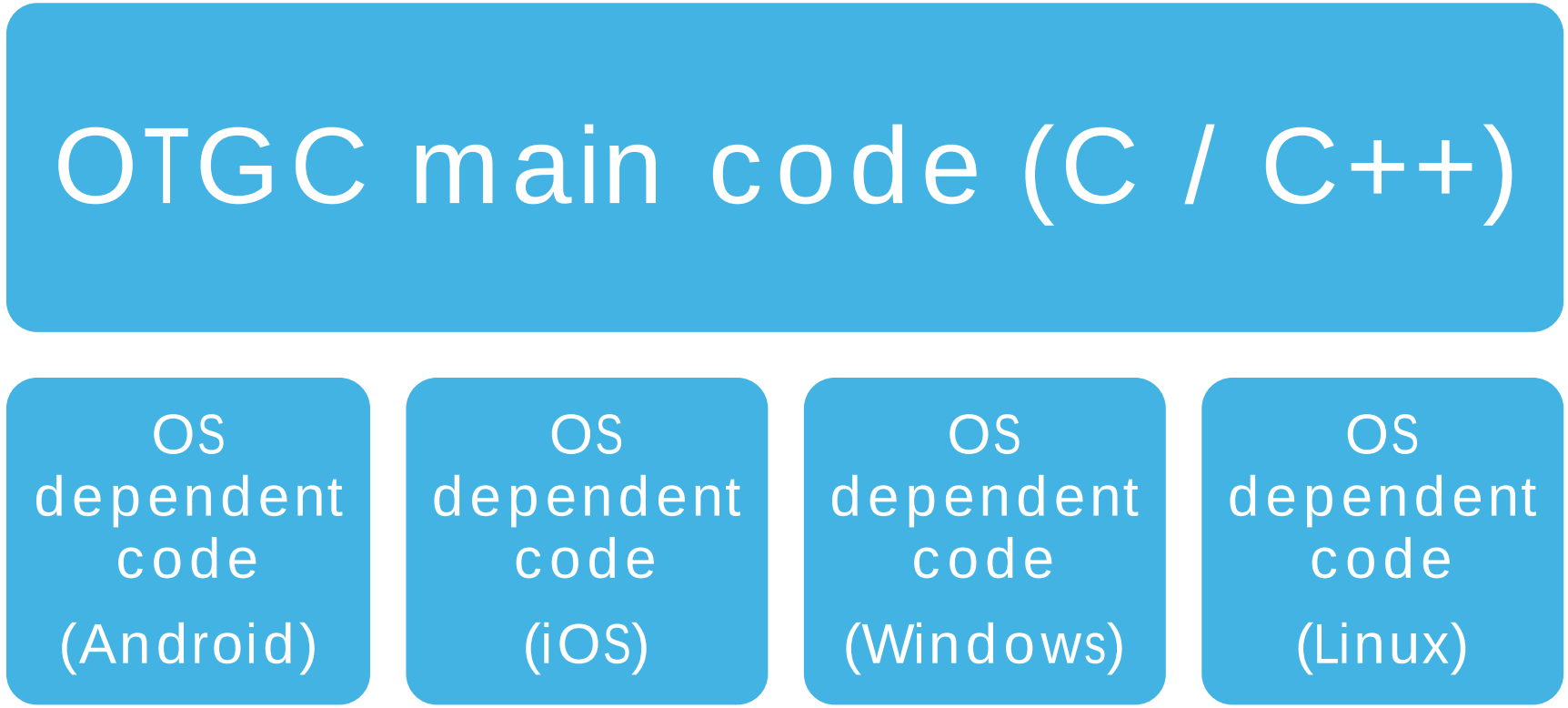
- **OCF Client**

A device capable to scan and control OCF Servers.

- **OCF Device**

A device (Server or Client) that can be integrated into an OCF network created by the OTGC. The OTGC will transfer ownership to this OCF Device by different OTM (Onboarding Transfer Methods).

Architecture



OTGC Resources - Android

OTGC binary (Android apk) available publicly at OCF GitHub Developers Area:

https://github.com/openconnectivityfoundation/development-support/tree/master/otgc

Current version (October 2021) for otgc-Android is v3.1.0

OTGC sources available publicly at OCF GitHub:

OTGC Android ➔ https://github.com/openconnectivity/otgc-android
OTGC IoTivity ➔ https://github.com/iotivity/iotivity-lite

OTGC is an open source code so can be modified by manufacturers to incorporate proprietary features and or branding graphical material.

OTGC Resources - Linux

OTGC binary needs to be build fro source code:
See the readme of: https://github.com/iotivity/otgc-linux
Build command:
curl https://iotivity.github.io/otgc-linux/setup.sh | bash

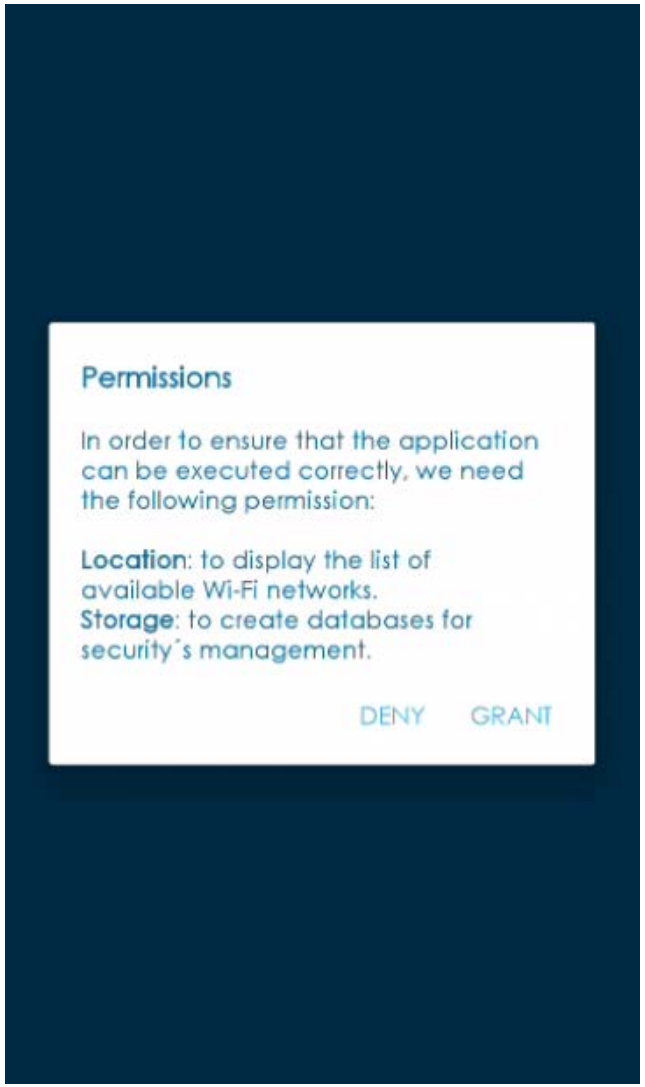
Current version (October 2021) of otgc-Linux is v3.1.0

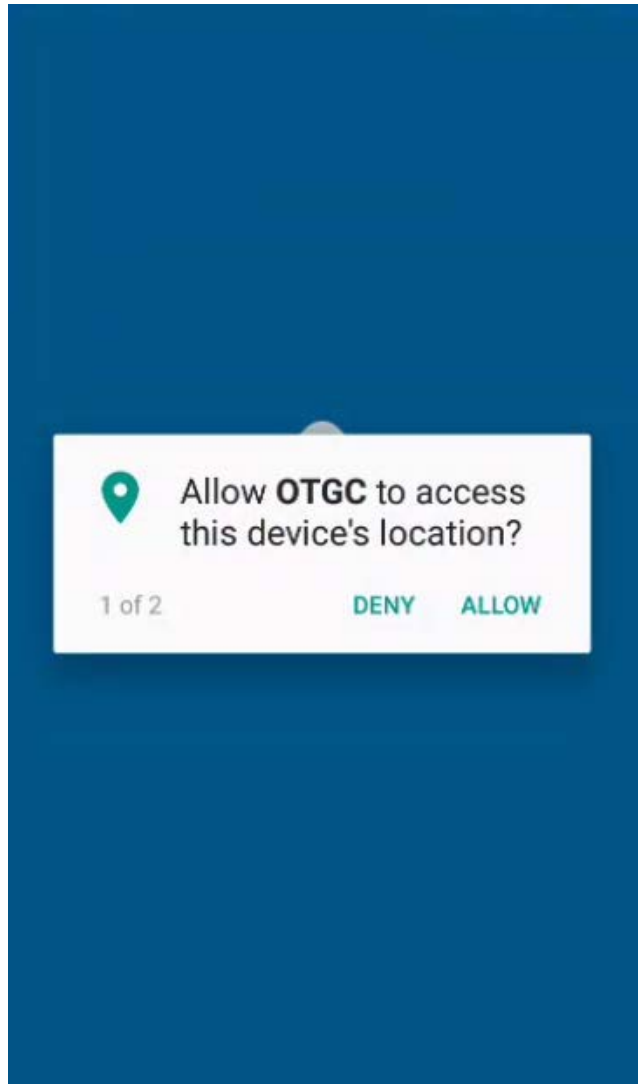
OTGC sources available publicly at OCF GitHub:

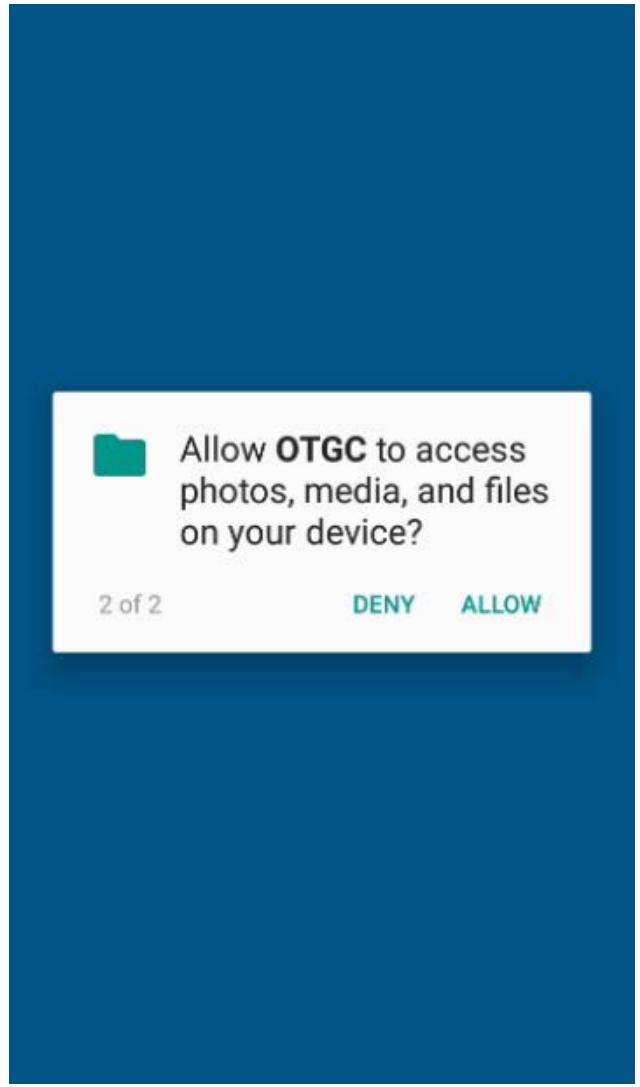
OTGC Linux ➔ https://github.com/openconnectivity/otgc-linux
OTGC IoTivity ➔ https://github.com/iotivity/iotivity-lite

OTGC is an open source code so can be modified by manufacturers to incorporate proprietary features and or branding graphical material.

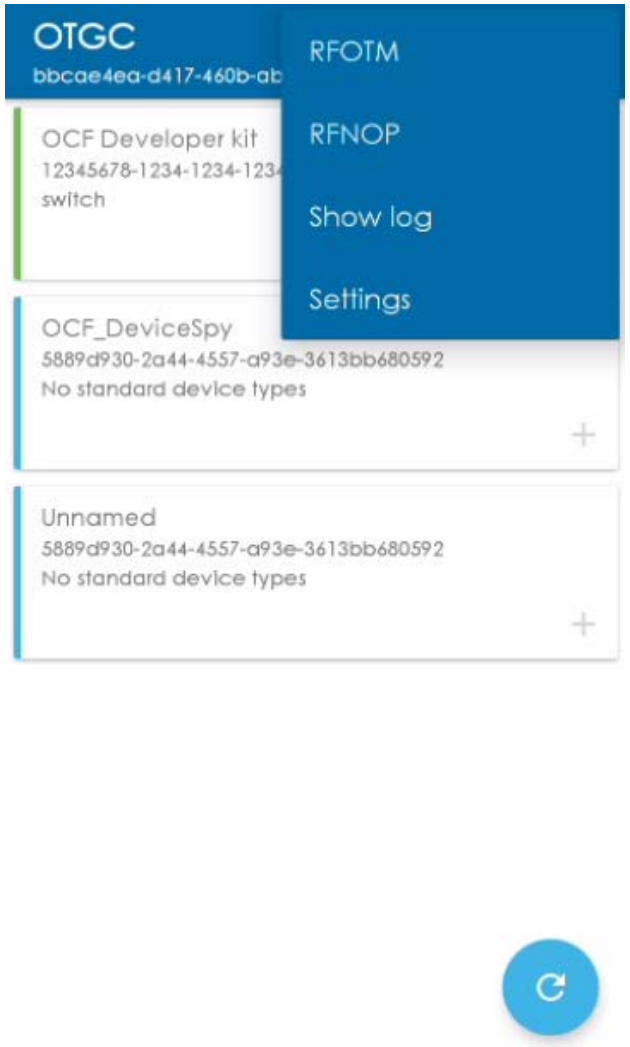
OTGC Installation

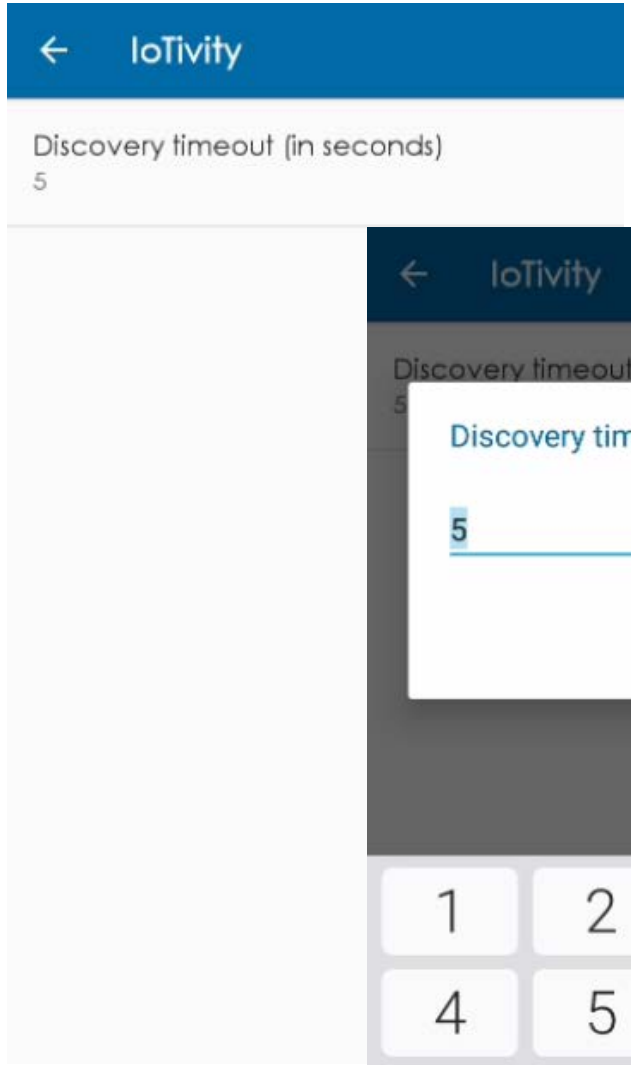


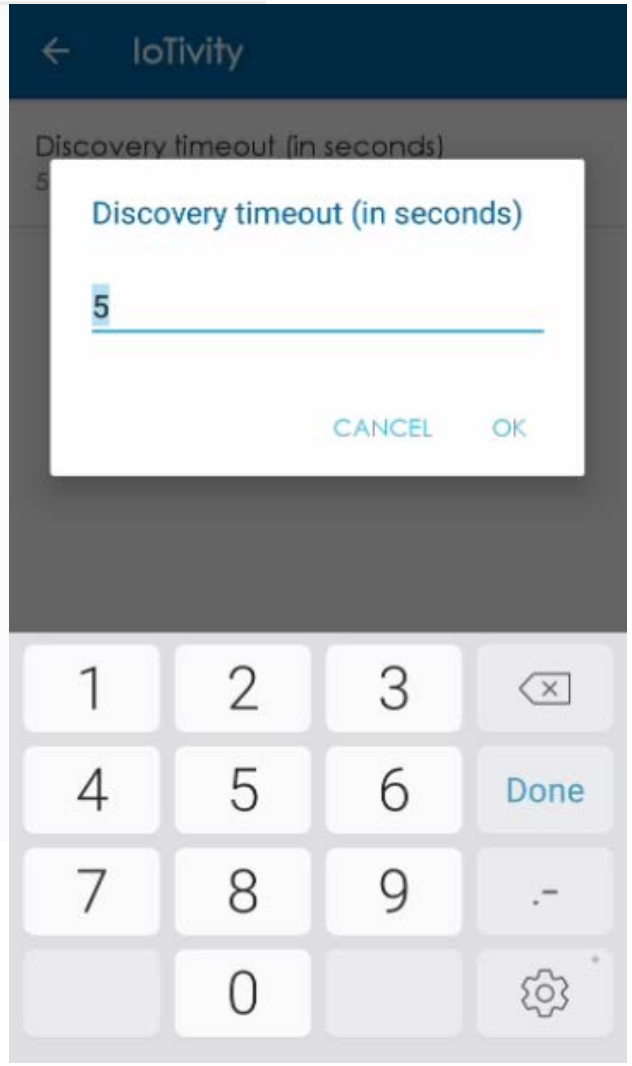




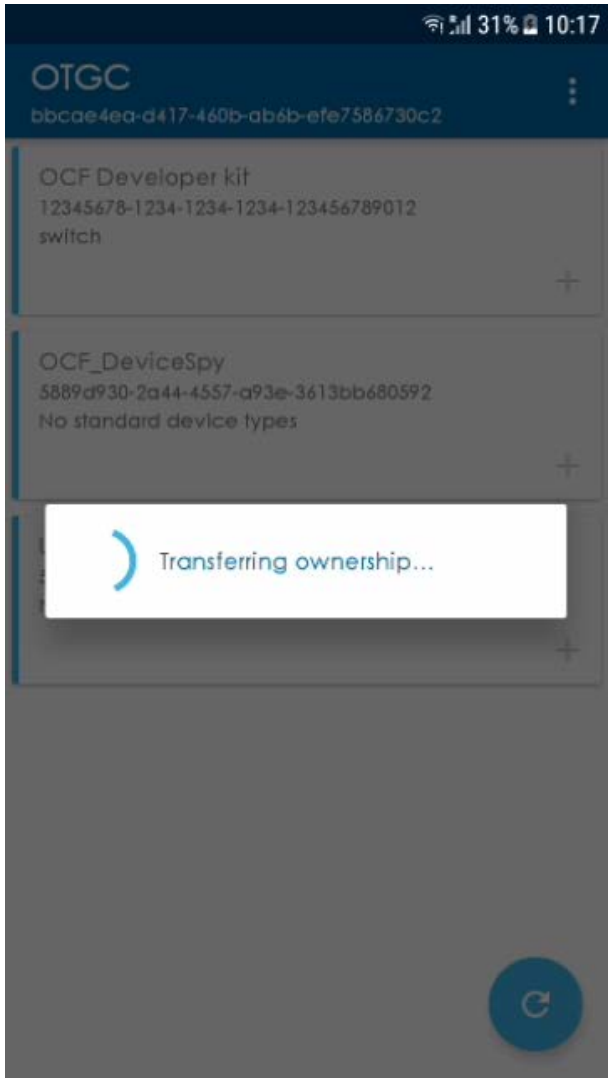
OTGC Settings

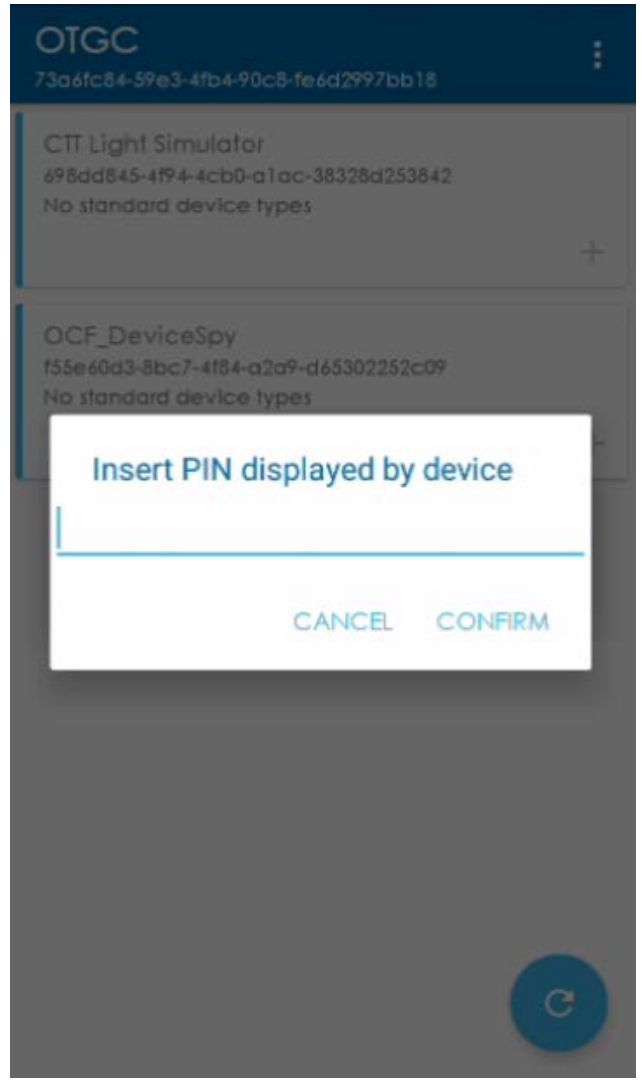


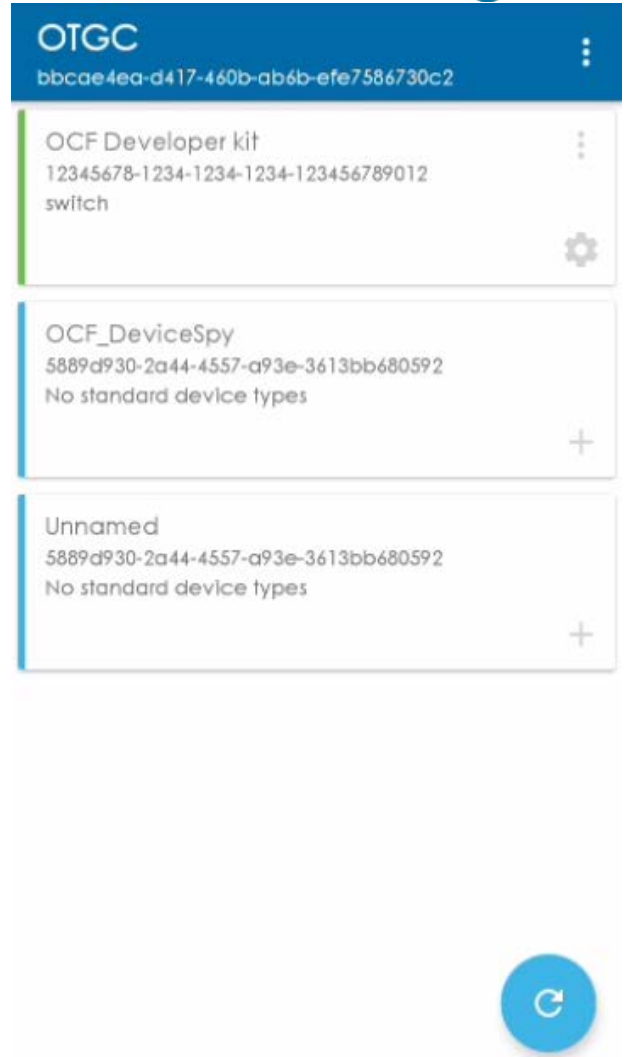




OTGC Scanning + Onboarding

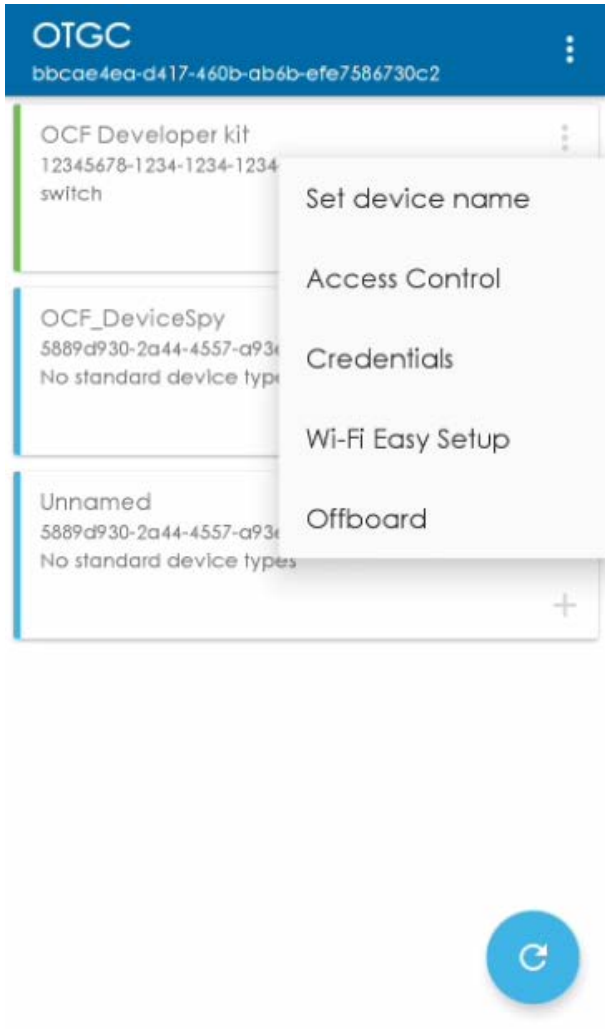


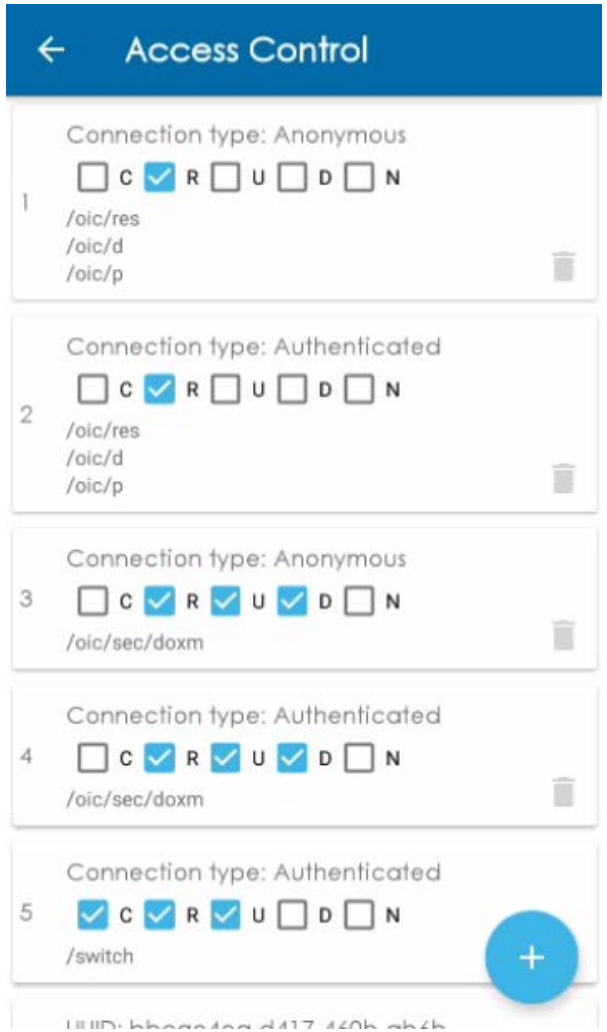


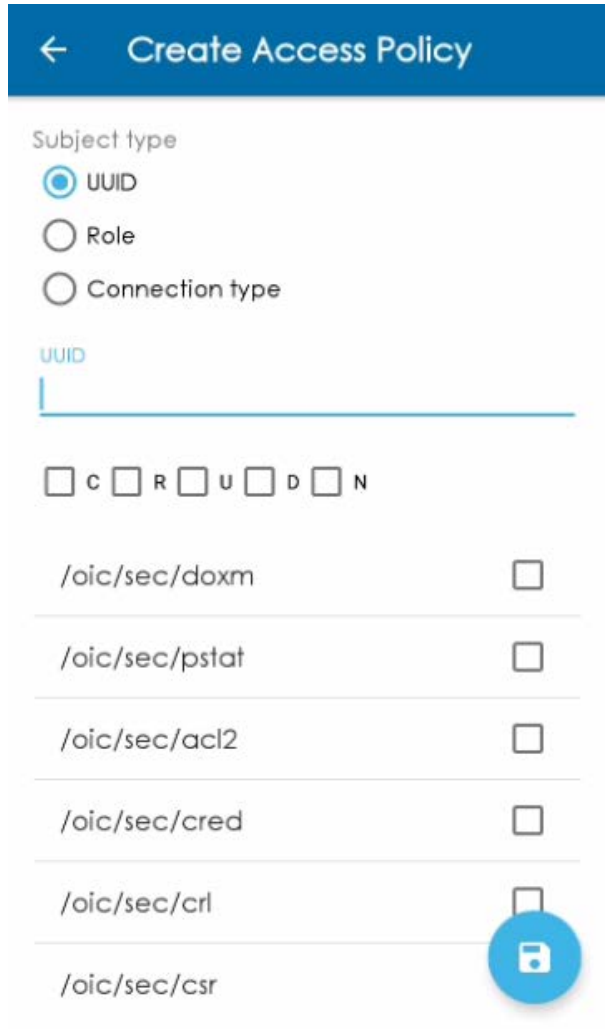


OTGC Device Operation (I)

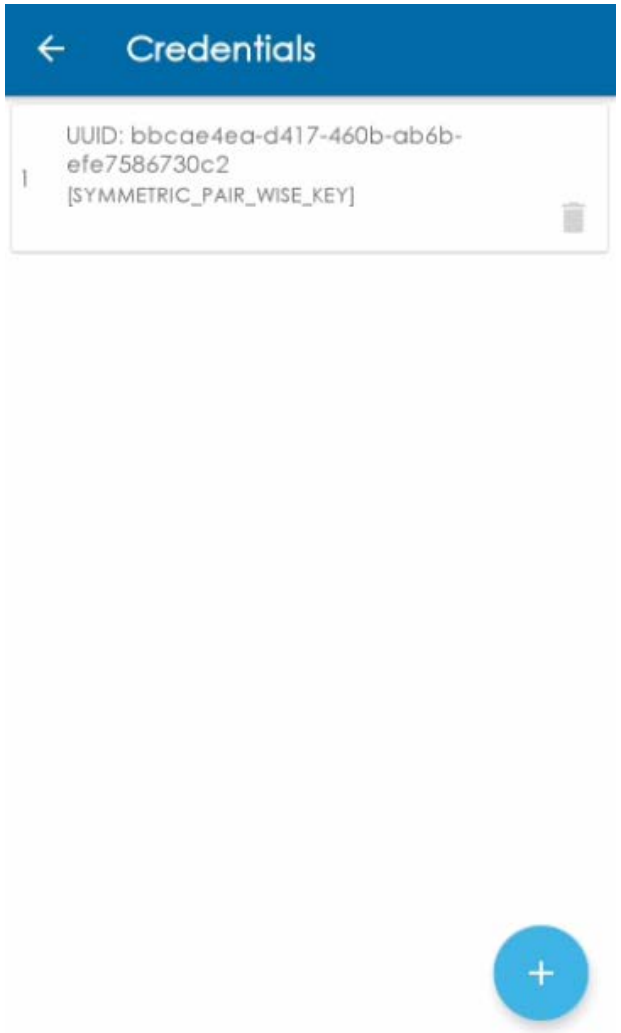
OTGC Device Operation (II)

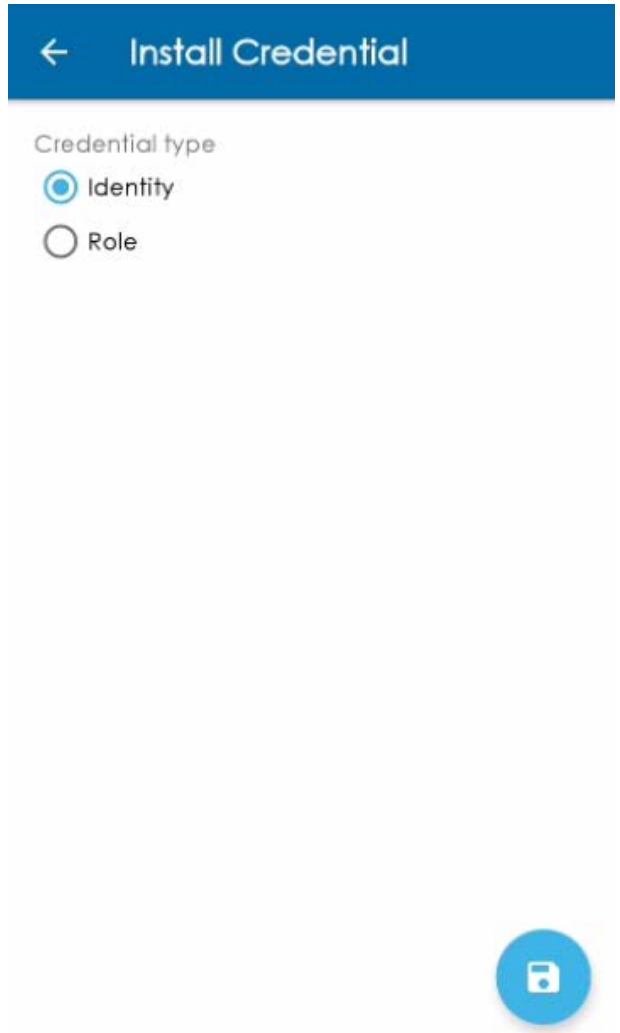


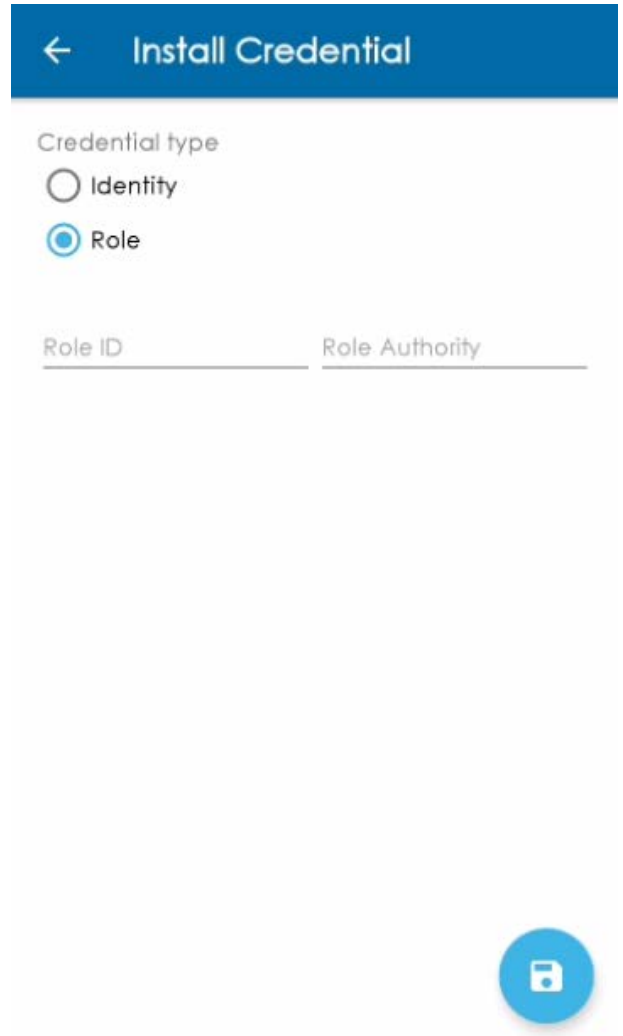




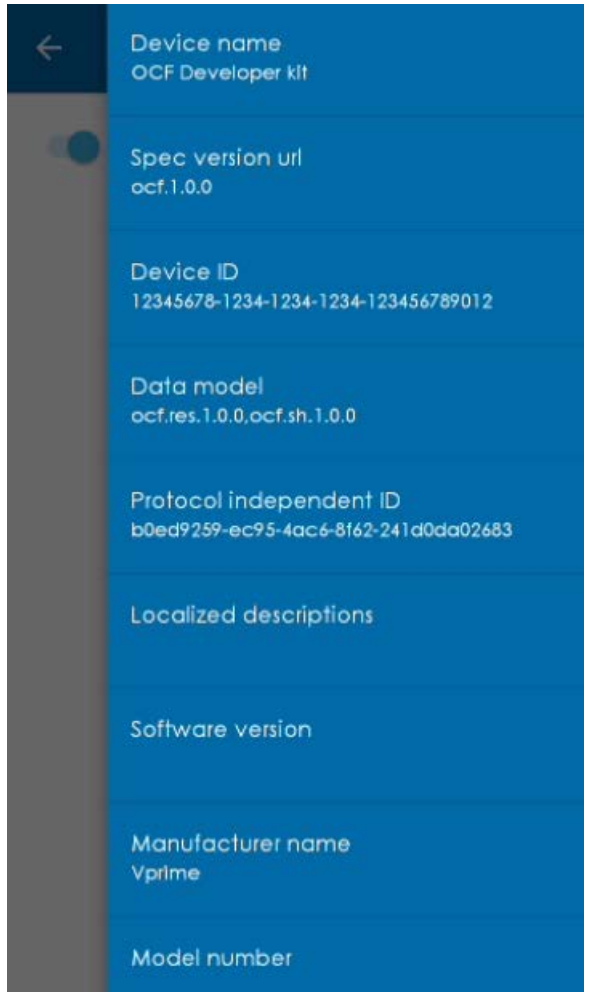
OTGC Device Operation (III)







OTGC Device Operation (IV)



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