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# OTGC (Onboarding Tool and Generic Client)

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# 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 main code (C / C++)

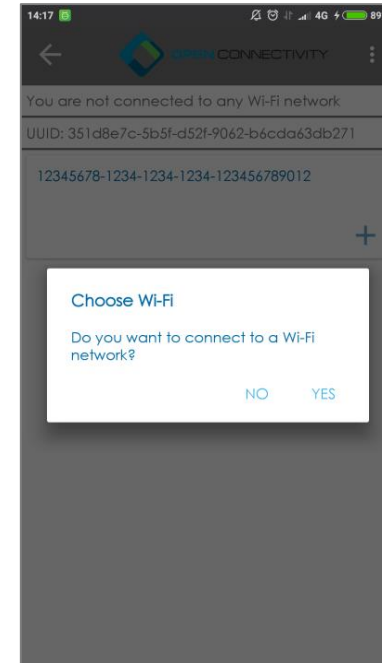
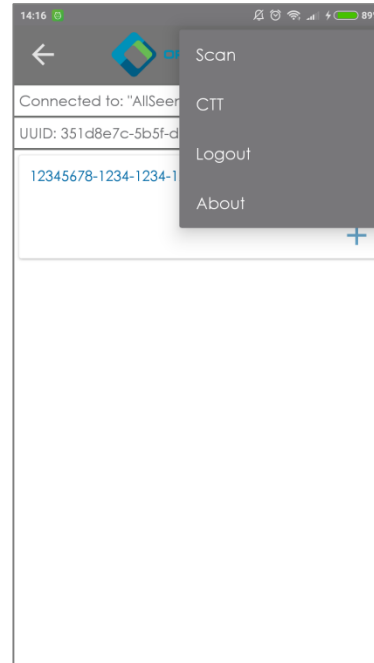
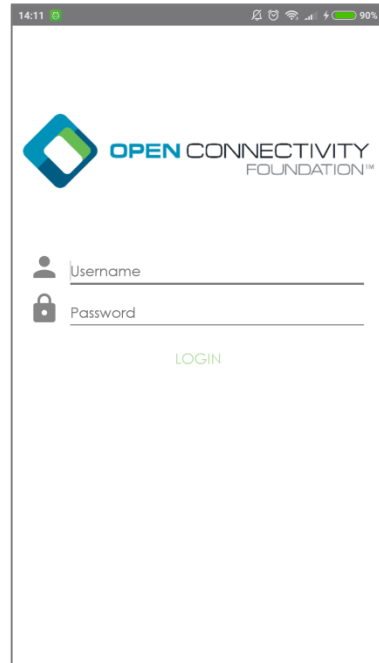
OS  
dependent  
code  
(Android)

OS  
dependent  
code  
(iOS)

OS  
dependent  
code  
(Windows)

OS  
dependent  
code  
(Linux)

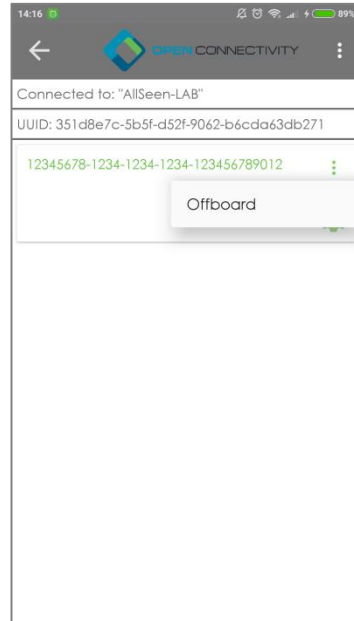
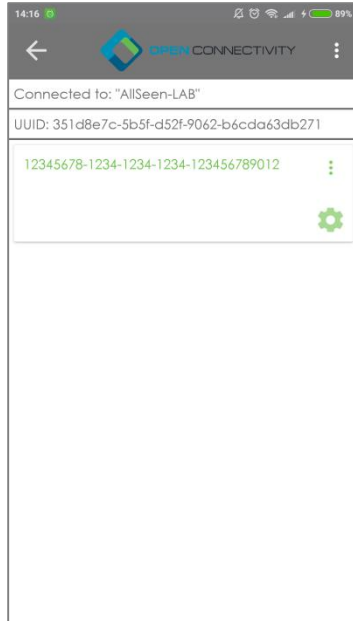
# OTGC Login



# OTGC Scanning



# OTGC Device Operation



/ADC1  
5,0 A 60,0 Hz 120,0 v

/ADC2  
5,0 A 60,0 Hz 120,0 v

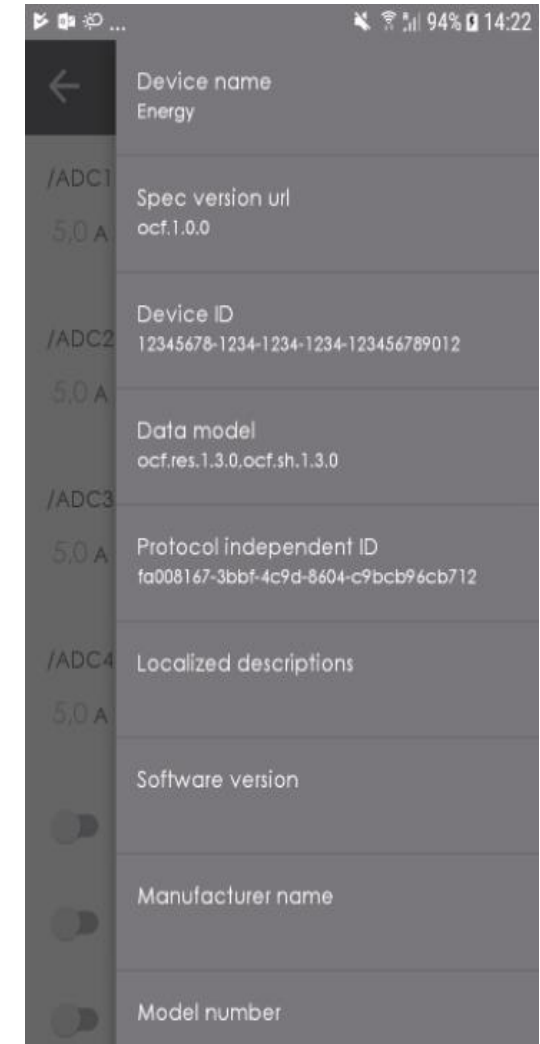
/ADC3  
5,0 A 60,0 Hz 120,0 v

/ADC4  
5,0 A 60,0 Hz 120,0 v

/CommsLight

/PowerLight

/WarnLight





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