**C-IDM Documentation**

This document has the task to describe all the concepts / components involved in the c-idm schema for our application.

***Topics :***

* Who we are : description?
* The group TELECOM ITALIA/TIM : description?

***Multiple Topics :***

* Device : description of a device purchasable from TIM
* Smart Life Service : description of Smart Life Service offered by Tim
* Assistance Service : brief description of Assistance Service that Tim offers

***Relationships :***

* Available SL Service : Device 🡪 SL Service ; for each device are related some Smart Life Service, so if the device is the subject, you can switch to the corresponding SL Service(s).
* Needed device(s)\_1 : SL Service 🡪 Device; is the inverse relationship of the previous one . If the SL Service is the subject , you can switch to the related device.
* Assistance for : Device 🡪 Assistance service; at each device corresponds Assistance service(s), so if the device is the subject , you can switch to the corresponding Assistance service(s).
* Needed device(s)\_2 : Assistance service 🡪 Device; is the inverse relationship of the previous one. If the assistance service is the subject, you can switch to the related devices.

***Multiple Groups :***

* Devices by Category : the members of this group are the groups of all devices of a given category.
* Devices by Category C and Characteristics X,Y,Z : the members of this group are the groups of all devices of category C and characteristics X, Y, Z.
* Smart Life Services by Category : the members of this group are the groups of all SL services of a given category: TV& Entertainment, Health, Home, Person.
* Assistance Services by Category : the members of this group are the groups of all Assistance services of a given category, e.g., Line Management, Monitoring Costs and Payments, Technical Support, SL.

***Groups :***

* Outlet : set of all discount devices that TIM sells.
* All SL services categories : complete set of SL services categories offered by TIM.
* All Assistance services categories : complete set of Assistance services categories offered by TIM.
* Highlights : a group of frequently needed Assistance Services.