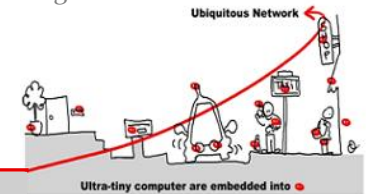


Tutorial 4b: Creating a Web Service for Device: DPWS



1 DPWS Tools

First of all, you should install the tools from SOA4D:

<http://kistren.polytech.unice.fr/cours/muc/tutorial4b/>

2 Developing you own DPWS Web Service for Device

2.1 Traffic Light Device

The aim of this tutorial is to implement a new DPWS device. The interface of our DPWS Device should be the same as the UPnP one defined below.

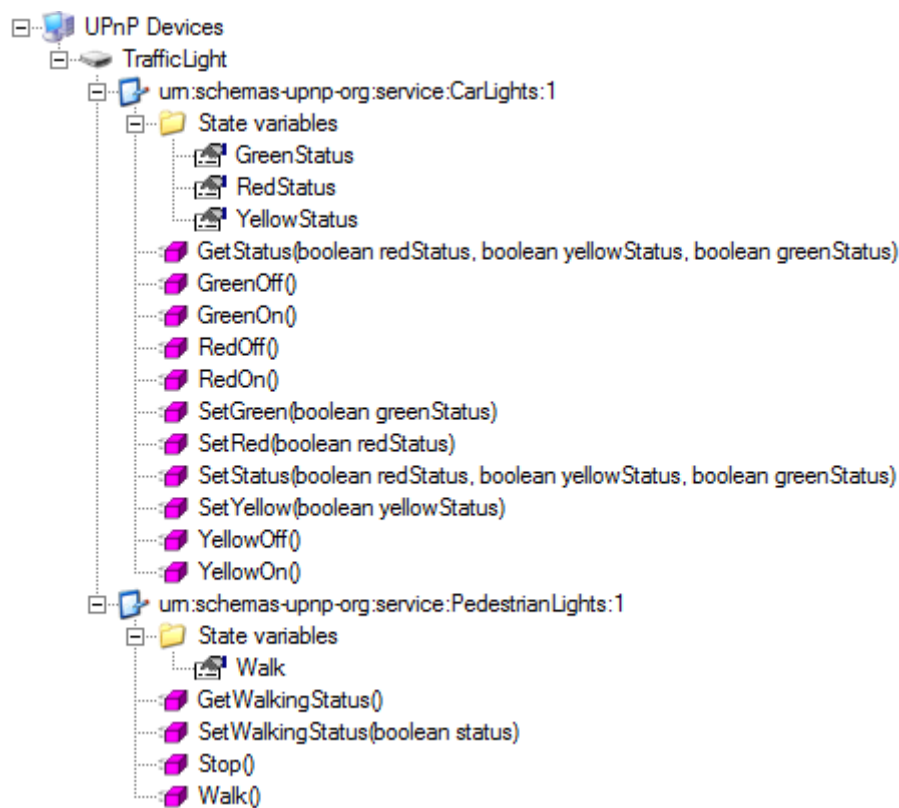


Figure 1: UPnP Interface of the Traffic Light Device

2.1.1 Implementing Traffic Light Services

You should first start by defining the CarLights and PedestrianLights service as a WDSL description file.

2.1.2 Composing Services into a DPWS Device

Once you have created your services, you can assemble them inside a Traffic Light Device. You could try the DPWS Device Builder tool.

2.1.3 Implementing your device

Based on the examples in the dpws-core package, you should code your device methods.