

How to get involved: community projects

- NOBDy wiki:

http://nobody.wikia.com/wiki/Nobody_Wiki



- OBDGPSLogger: <http://icculus.org/obdgpslogger/>



- LibOBD:

http://libobd.wikia.com/wiki/Libobd_Wiki



- OBDref: <https://github.com/canurabus/obdref>
- Mp3car: <http://www.mp3car.com/>

How to get involved: corporate-backed FLOSS

- OpenXC: <http://openxcplatform.com/>
- Ubuntu IVI Remix:
<http://linux.softpedia.com/progDownload/Ubuntu-IVI-Remix-Download-78078.html>
- Renault R-Link (Android):
<http://www.renault.com/en/innovation/plaisir-et-confort/pages/r-link.aspx>
- Bosch-ETAS Busmaster: <https://github.com/rbei-etas/busmaster>

Silicon Valley Automotive Open Source Meetup

<http://www.meetup.com/Silicon-Valley-Automotive-Open-Source/>

Completely
free!

Advanced Driver Awareness System (ADAS) and IVI Systems

Hacker Dojo
140 S Whisman Road, Mountain View, CA (map)



Naresh Batra, Director and Global Head of Semiconductors Engineering Practice, Tata Consultancy Services, Santa Clara
Speaker: Tata's automotive safety and IVI systems... [LEARN MORE](#)

Hosted by: Aison Chaiken (Organizer)

Tue Jan 24
7:00 PM

[I'M ATTENDING](#)

24 attending

1 comment

The Coming of Robot Cars

Hacker Dojo
140 S Whisman Road, Mountain View, CA (map)



Thanks to DARPA-sponsored contests and new work at Google, robot cars are no longer science fiction; they're coming within a decade. Their implications are quite... [LEARN MORE](#)

Hosted by: Aison Chaiken (Organizer)

Mon Feb 13
7:00 PM

[I'M ATTENDING](#)

17 attending

0 comments



Recent Meetups

January 5 at 7:00 PM, 33 Members attended Rate this Meetup

The Future of the Automobile: a Stanford Perspective

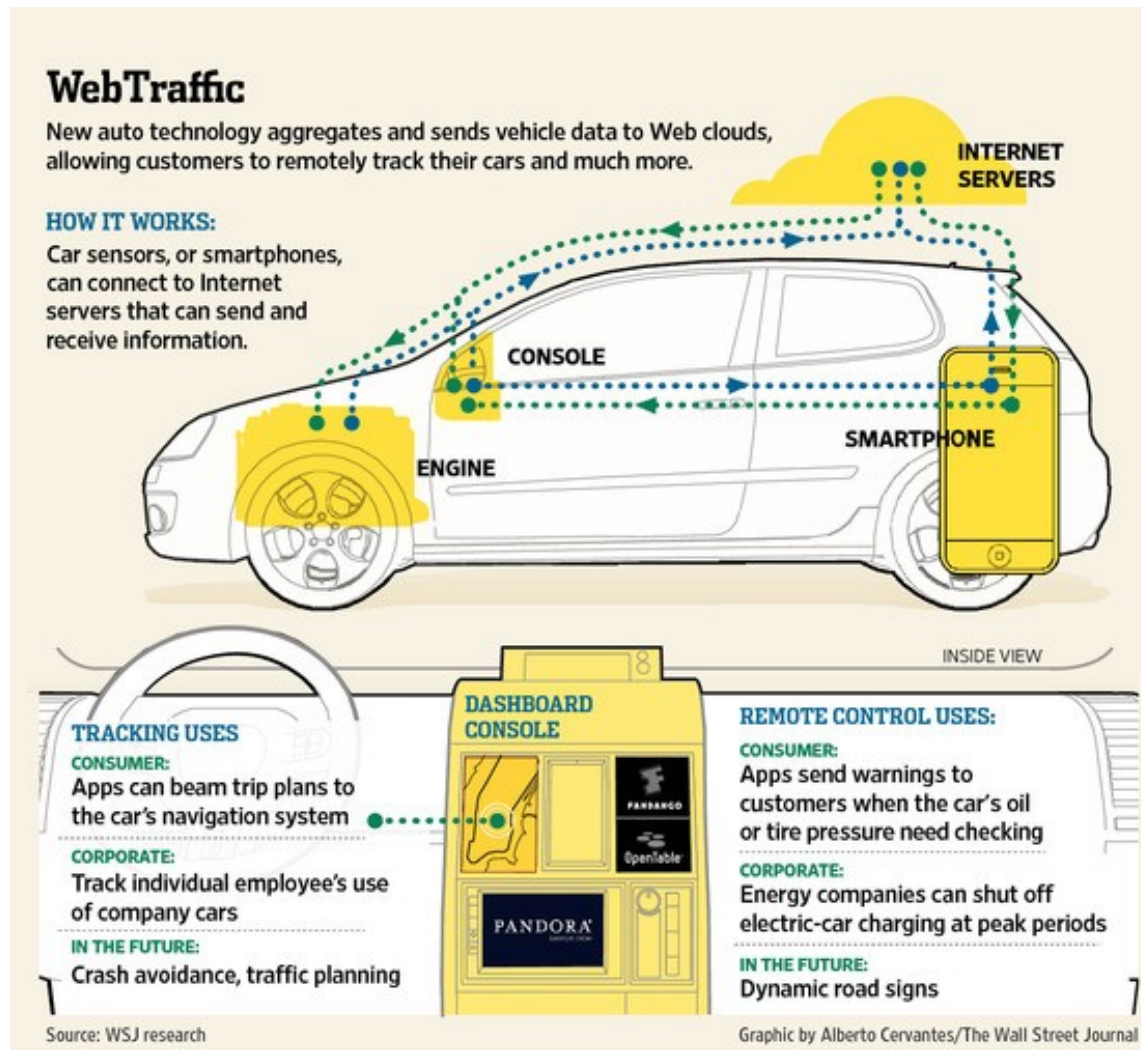


They rated it ★★★★★
(5 ratings)

Good presentation. The presenter

Excellent topic, and well organized

Back-end “cloud programming” in IVI



Features of nOBDy

- Based on Qt toolkit and QML (Qt Modelling Language) – Booths 24 (Qt) and 67 (ICS)
- TCP, Bluetooth, D-Bus support
- Websocket/HTML5 browser interface based on JQuery Mobile
- Provides communications interface to CAN (Controller Area Network) vehicle data bus
- GPLv2, source on gitorious
- Based on libobd, OBDGPSLogger, obdref and gpssd projects
- Available as .deb and (soon) RPM packages

nOBdY's stack

Your Qt, QML or Javascript application here!

nOBdY plugin framework

QML

JQuery

HTML5

Qt

OpenLayers

OBDGPSLogger

OpenStreetMap

gpsd

libobd

Linux kernel and device drivers

New plugins that talk TCP can be written in any language.

E.U.'s webinos project



<http://dev.webinos.org>

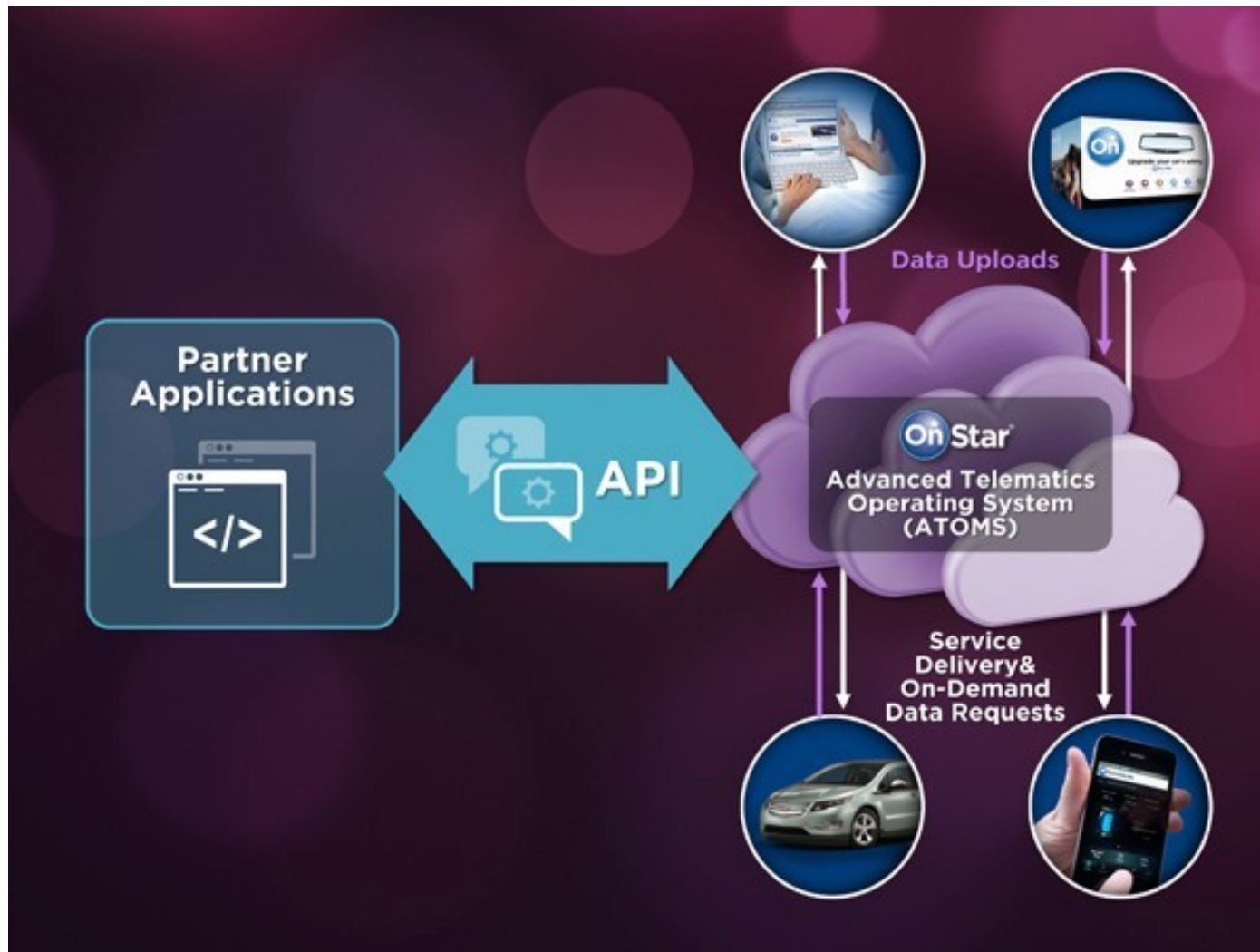
OpenXC Platform: Android and Arduino



<http://openxcplatform.com/>

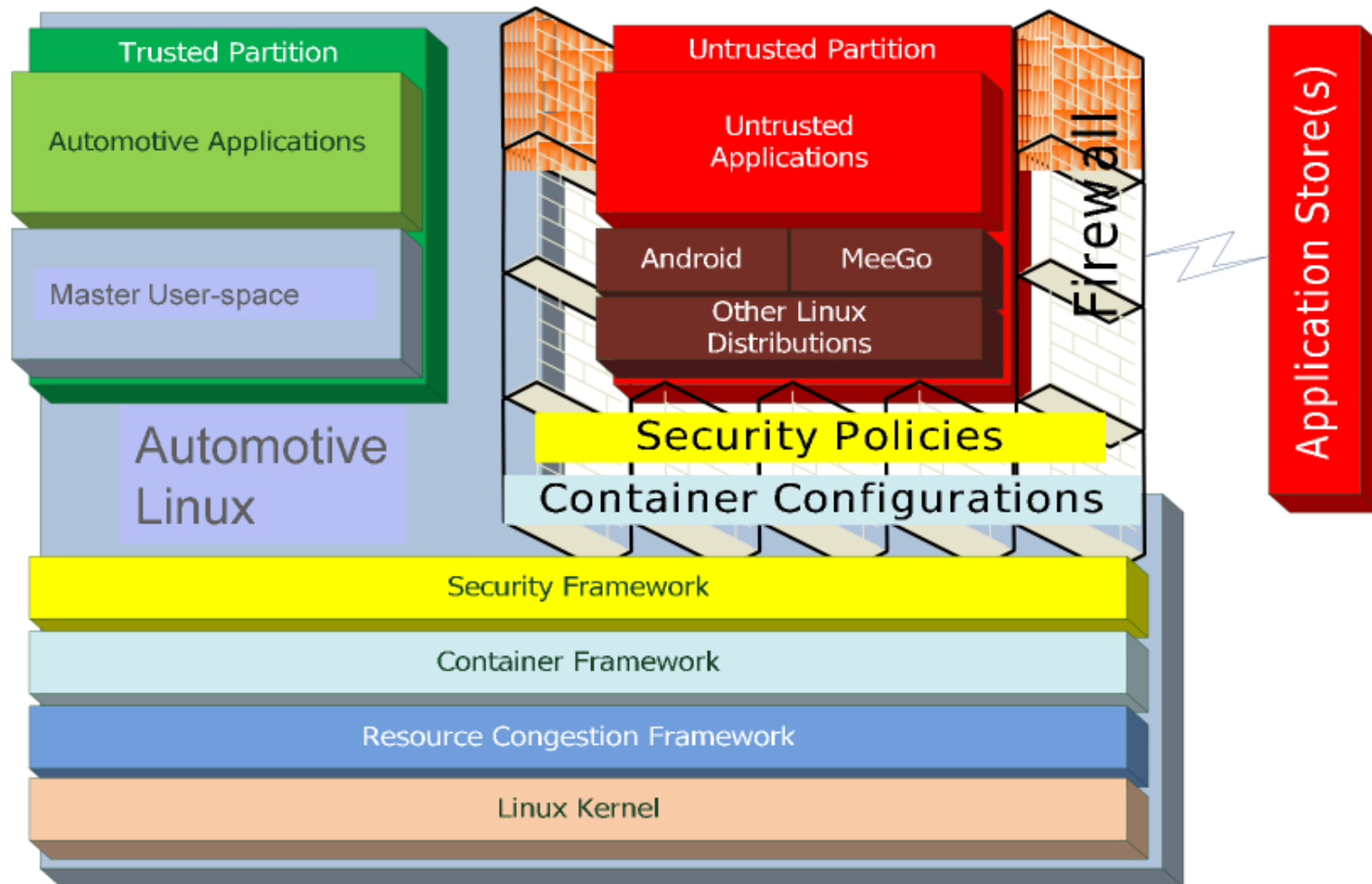
Status: limited pre-release to selected developers

Cadillac User Experience based on MontaVista



Status: SDK expected, Spring 2012

MontaVista's Automotive Linux stack



Courtesy [Iisko Lappalainen](#), MontaVista, Embedded Linux Conf Europe 2011

OBDGPSLogger: Real-time Vehicle Diagnostics

There and Back Again: Lunch in El Segundo

Just going down to El Segundo for lunch, taking slightly different paths each way. By the airport, there's a large apparently blank bit; that's where I was in a tunnel and my GPS couldn't get a lock.

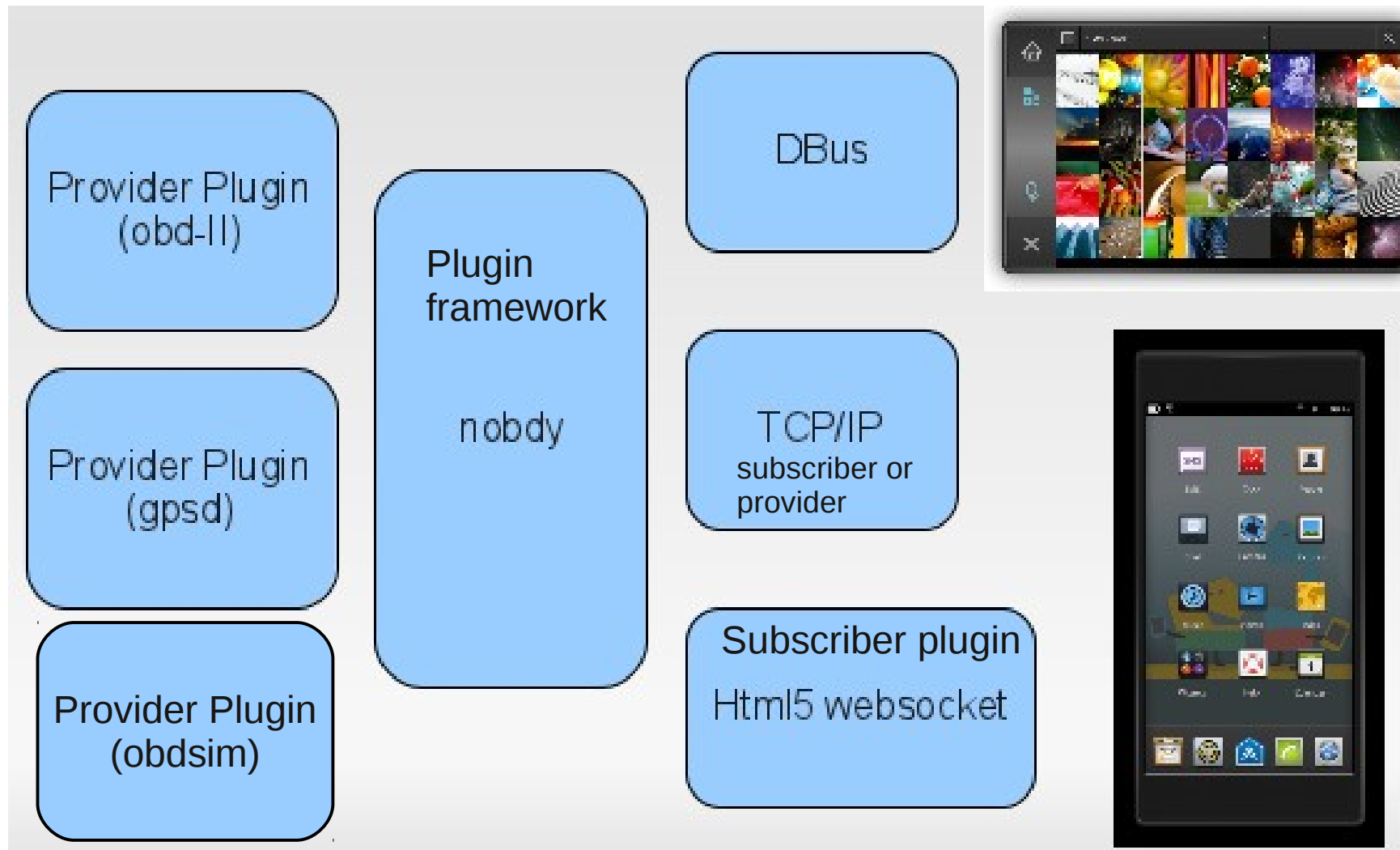
This trip was driving my Mini Cooper S.

Google Earth Screenshots

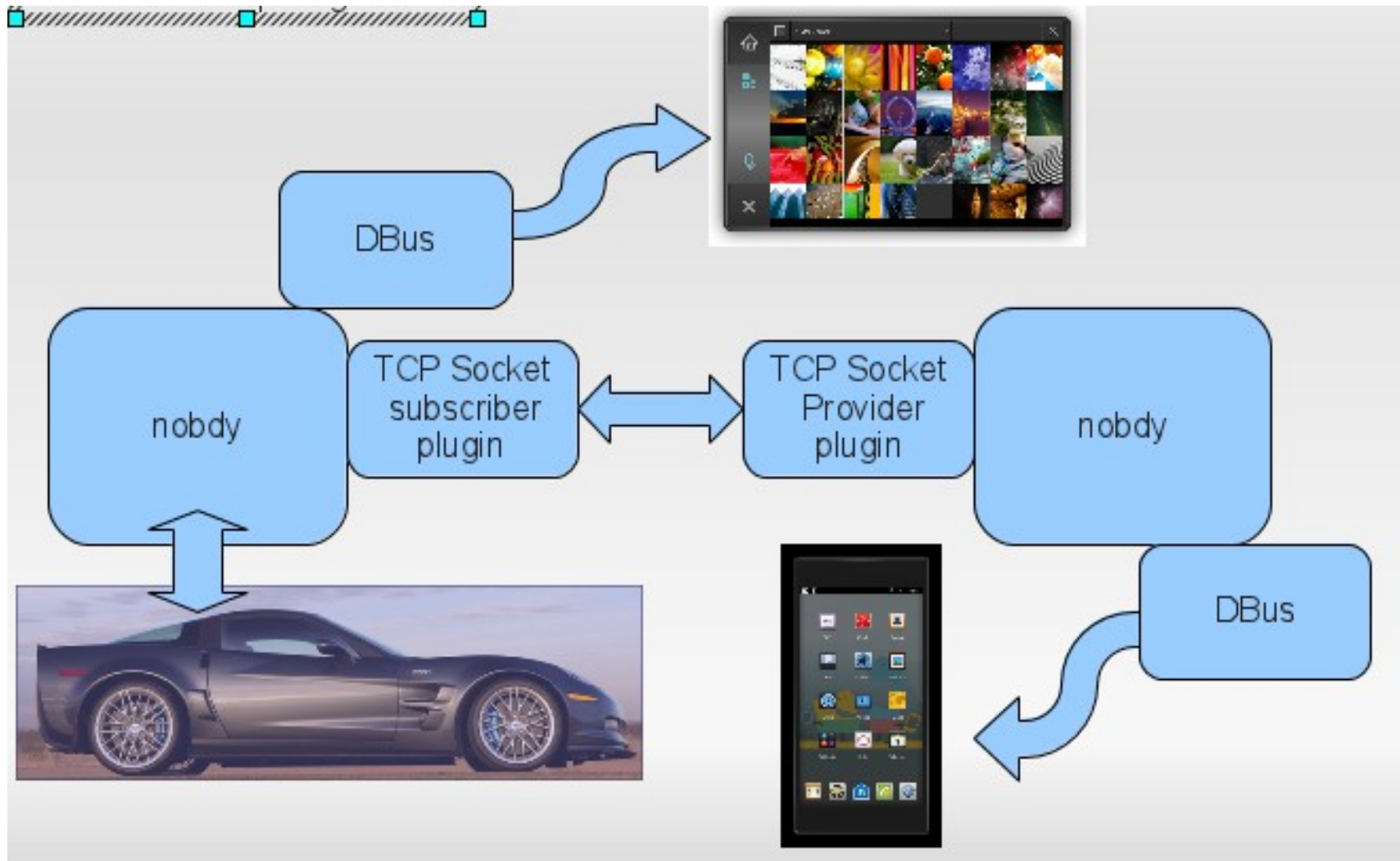


<http://icculus.org/obdgpslogger/>

nOBDy is a GPL'ed plugin framework akin to gstreamer or pulseaudio



Use cases for nOBDy plugin framework



Ubuntu IVI Remix, released 12/2011



<http://news.softpedia.com/news/Ubuntu-IVI-Remix-Beta-2-Officially-Released-242300.shtml>

<https://oem-share.canonical.com/share/ivi-remix/release-beta2-dec2011/>

Bosch-ETAS CAN simulation tool



BUSMASTER

BUSMASTER is an Open Source Software tool to simulate, analyze and test data bus systems such as CAN.

Download, run, study, redistribute and modify. Join the BUSMASTER community!

User Information	Developer Information
<ul style="list-style-type: none">→ Downloads→ User manual→ Hardware support→ Issue tracker	<ul style="list-style-type: none">→ Project page→ Development Environment→ Requirement Specification→ Design Document

This project is supported by

BUSMASTER was conceptualized, designed and implemented by Robert Bosch Engineering and Business Solutions (RBEI). Presently it is a joint project of RBEI and ETAS GmbH.

 **BOSCH** 

<https://github.com/rbei-etas/busmaster>