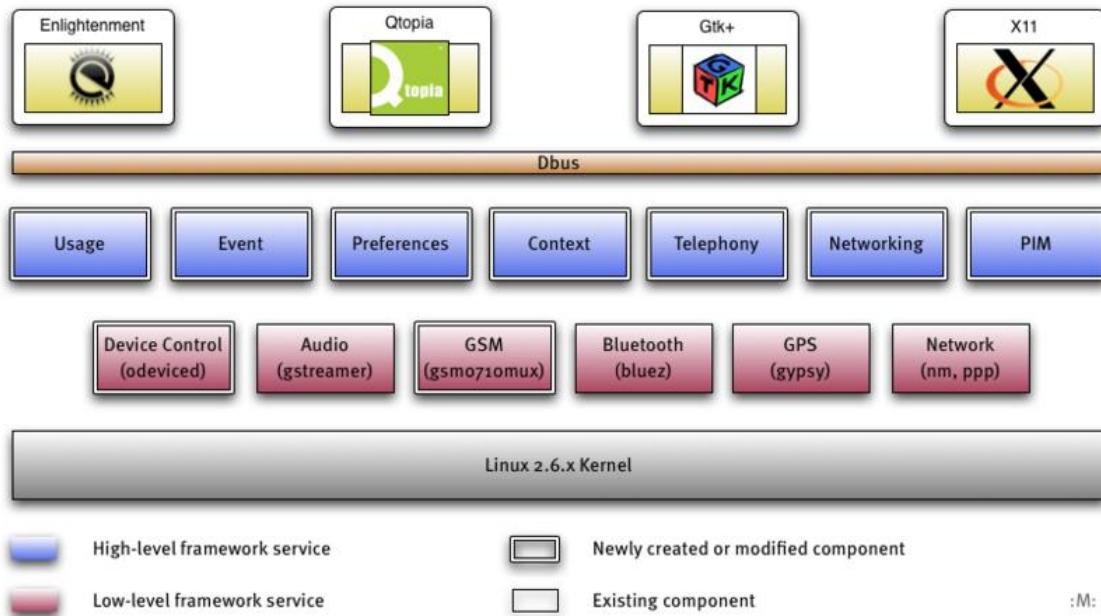


# Openmoko API

## Openmoko 2008 Software Architecture



## Completion Status

### Low Level

device control: 50%

Bluetooth: 80%

audio: 80%

GPS: 80%

GSM: 80%

Network: 50%

### High Level

Usage: 0%

Telephony: 50%

Event: 0%

Networking: 0%

Preferences: 0%

PIM: 0%

Context: 0%

The following are the APIs for each device driver

[Audio GStreamer](#)

[Bluetooth Bluez](#)

[GPS Gypsy](#)

Gypsy-Daemon Control

GypsyControl — Control object for gypsy-daemon

GPS Data Objects

GypsyDevice — Object for obtaining device information

GypsyAccuracy — Object for obtaining accuracy information from gypsy-daemon

GypsyCourse — Object for obtaining course information

GypsyPosition — Object for obtaining positions from gypsy-daemon

[GSM gsm0710muxd](#)

GetInfo

GetAntennaPower

SetAntennaPower

GetFeatures

GetSpeakerVolume

SetSpeakerVolume

GetMicrophoneMuted

SetMicrophoneMuted

GetSimBuffersSms

SetSimBuffersSms

**We can also use DBus to request the device information.**

**After analyze [ompower source code](#), I found that Important Function: system() call the shell command to do anything**

The following are some commands to control the devices.

apmd for CPU

gpsd for GPS

iwconfig for wireless adapter

hciconfig for Bluetooth

gsmd for GSM