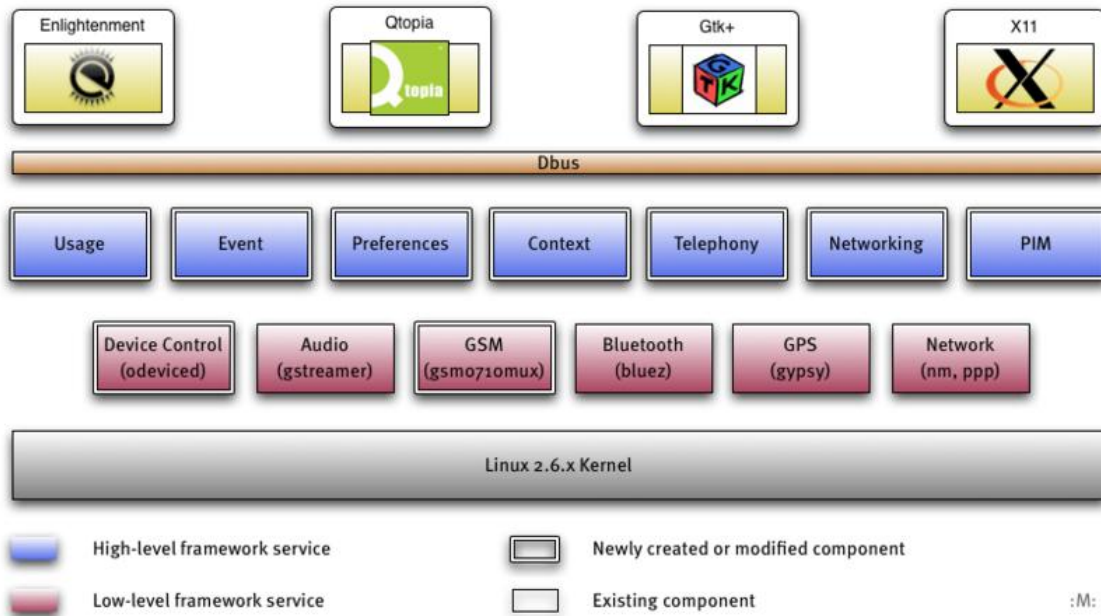


Openmoko API

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