



Freesmartphone.org - FOSS middleware for mobile devices

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Freesmartphone.org
- FOSS middleware
for mobile devices

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Background

Current Status

API Details

Cornucopia

Hardware Support

Community

Contact

Outline

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- ▶ Started when Openmoko was still in phone business
- ▶ Community driven since then
- ▶ Fits into the existing linux eco system
- ▶ Dbus as collaboration line

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Current Status

- ▶ FSO 1.0 is mature enough for daily use
- ▶ Bug fix and maintenance mode
- ▶ Used mainly on the Openmoko phones
- ▶ Distributions like SHR, Paroli, Debian,...

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- ▶ Python example for sending an SMS

```
bus = dbus.SystemBus()
gsm_device_obj = bus.get_object(
    'org.freesmartphone.ogsmd',
    '/org/freesmartphone/GSM/Device' )
sms_iface = dbus.Interface(gsm_device_obj,
    'org.freesmartphone.GSM.SMS')
sms_iface.SendMessage( 01234, "Yay, SMS", [] )
```

Telephony

- ▶ Low Level API
- ▶ `org.freesmartphone.GSM.SIM` SIM Card Access
- ▶ `org.freesmartphone.GSM.Network` Network Access
- ▶ `org.freesmartphone.GSM.Call` Voice and Data Calls
- ▶ `org.freesmartphone.GSM.SMS` Short Message Service
- ▶ High Level API
- ▶ `org.freesmartphone.Phone.Call`

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Other Subsystems

- ▶ Device handling
- ▶ Resource PM handling
- ▶ Preferences, Events, GPS, Time, PIM, ...
- ▶ Connman, bluez used

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- ▶ FSO 2.0
- ▶ Switch from python to vala
- ▶ Faster
- ▶ Standalone Services
- ▶ Re-think some APIs

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- ▶ Fully supported only Openmoko phones
- ▶ Partial Motorola Linux phones (OpenEZ)
- ▶ Future Palm Pre
- ▶ Maybe N900 (hardware required)
- ▶ Fully running linux kernel port needed

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- ▶ Driven by needs
- ▶ Biggest customer is SHR
- ▶ Should be the base in the next Hackable:1 release
- ▶ Many small contributions, only a few bigger ones
- ▶ Join!

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- ▶ Slides are on the FOSS.IN website
- ▶ I am around the whole event
- ▶ Drop me a mail at stefan@datenfreihafen.org
- ▶ Now go and hack!

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