

# Upcoming Technologies: oFono

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# History

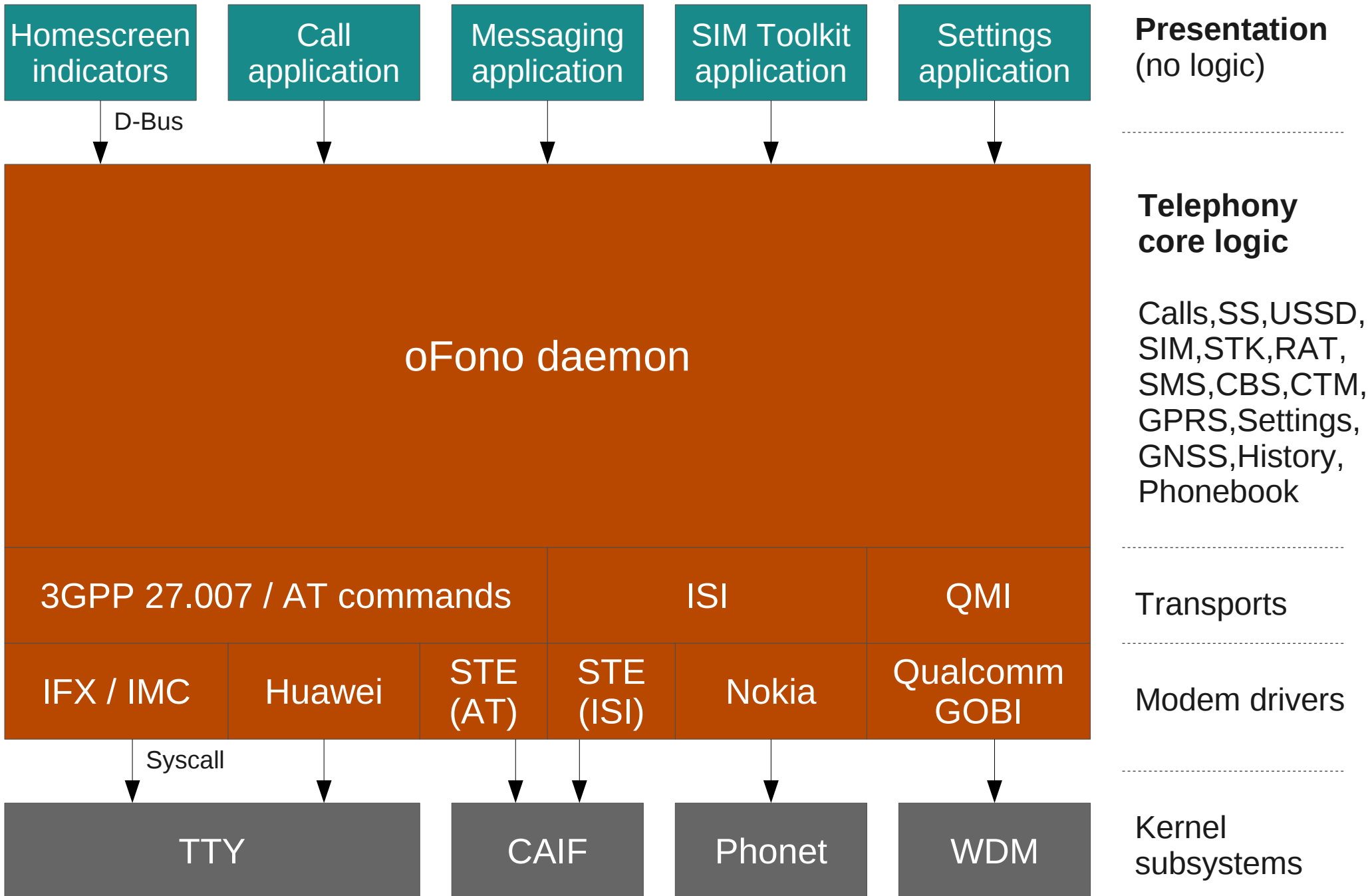
- Dec, 17<sup>th</sup> 2008 Inception of telephonyd
- May, 11<sup>th</sup> 2009 Made public as oFono
- July, 10<sup>th</sup> 2009 Release 0.1
- July, 29<sup>th</sup> 2011 Release 0.53
- October, 11<sup>th</sup> 2011 Release 1.0
- March, 1<sup>st</sup> 2012 Release 1.5

# Other telephony stacks so far

- Stuck in 90ties feature phone world
- Only driven by technical features
- No room for innovation
- Major closed source components
- Works only in one ecosystem
- A lot of logic in the wrong places
- Conceived as “crown jewels”

# oFono is innovation

- Telephony support became a commodity
- Use case driven for 21<sup>st</sup> century smart phones
- Multiple verticals from different ecosystems
- Monolithic architecture
- Open source modem support out-of-the-box
- Do one thing and do it right!



# Features – 1

- Full support for 2G/3G modems
  - Support for all modern telephony features
  - Major players including Infineon/IMC, ST-Ericsson and Nokia are on board with oFono
  - Support for all major data only modems
- CDMA features already supported
- Selective support for LTE

# Features – 2

- Built-in AT emulator support
- Built-in Dialup networking (DUN) support
- Fully integrated with ConnMan
  
- Ready for Slim Modems
- Support for production line setups
- Allows for field testing and crash dumping

# Features – 3

- Comes with Bluetooth Handsfree support
- Tight integration of oFono, PulseAudio and BlueZ for best user experience
- oFono handles GSM call states
- BlueZ provides Bluetooth control channel
- PulseAudio deals with audio channel



# Summary

- Stable next generation telephony solution
- Aiming for advanced set of features and API
- Fully integrated with BlueZ and ConnMan for a seamless out-of-the-box experience
- Extensive open source modem support
- Nurtured kernel subsystems like Phonet, CAIF and also open sourcing of Gobi APIs

# One more thing

