

OLSR.org

Status Update 2012

OLSRd Stable

Still stable, but no major development planned.

OLSR-Framework (1)

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Make it easier to build new software!

OLSR-Framework (2)

- CMake based build system
- easy crosscompilation
- integrated tests
- both as shared and static libraries

OLSR-Commons

- AVL-trees
- linked lists
- address handling (IPv4, IPv6, Mac)
- string arrays and extending buffers
- template engine
- clean “fork to background”

OLSR-Config (1)

- Sections
 - named or non-named
- Key/Value-pairs
 - or list of values
- Validation
- Conversion to binary
- Calculation of changes

OLSR-Config (2)

- “Everything is a string”
- Extendable data-types
- Configuration formats as plugins

OLSR-Config (3)

Example:

```
[core]
    fork true
    ipv6 true
    plugin txtinfo
    plugin remotecontrol
[interface = wlan0]
    multicast 10.0.0.1
```

OLSR-PacketBB

- RFC 5444 (packetbb)
- generic parser/generator
- (de-)multiplexer

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- generic parser/generator
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 - get only relevant data
 - add fields to existing messages

OLSR-Core

- Logging
- Memory manager
- timer/socket scheduler
- non-blocking tcp/udp handlers
- plugin loader
- compact telnet/http-server
- set/query kernel routes
- monitor interfaces

OLSR.org status (1)

- common (done)
- config (done)
- framework core (nearly done)
 - BSD/Win32 still missing
- OLSRd2 will build on top of framework

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still needs a good acronym!

OLSR.org status (2)

- currently payed by CONFINE (EU)
- BSD license (as OLSRd)

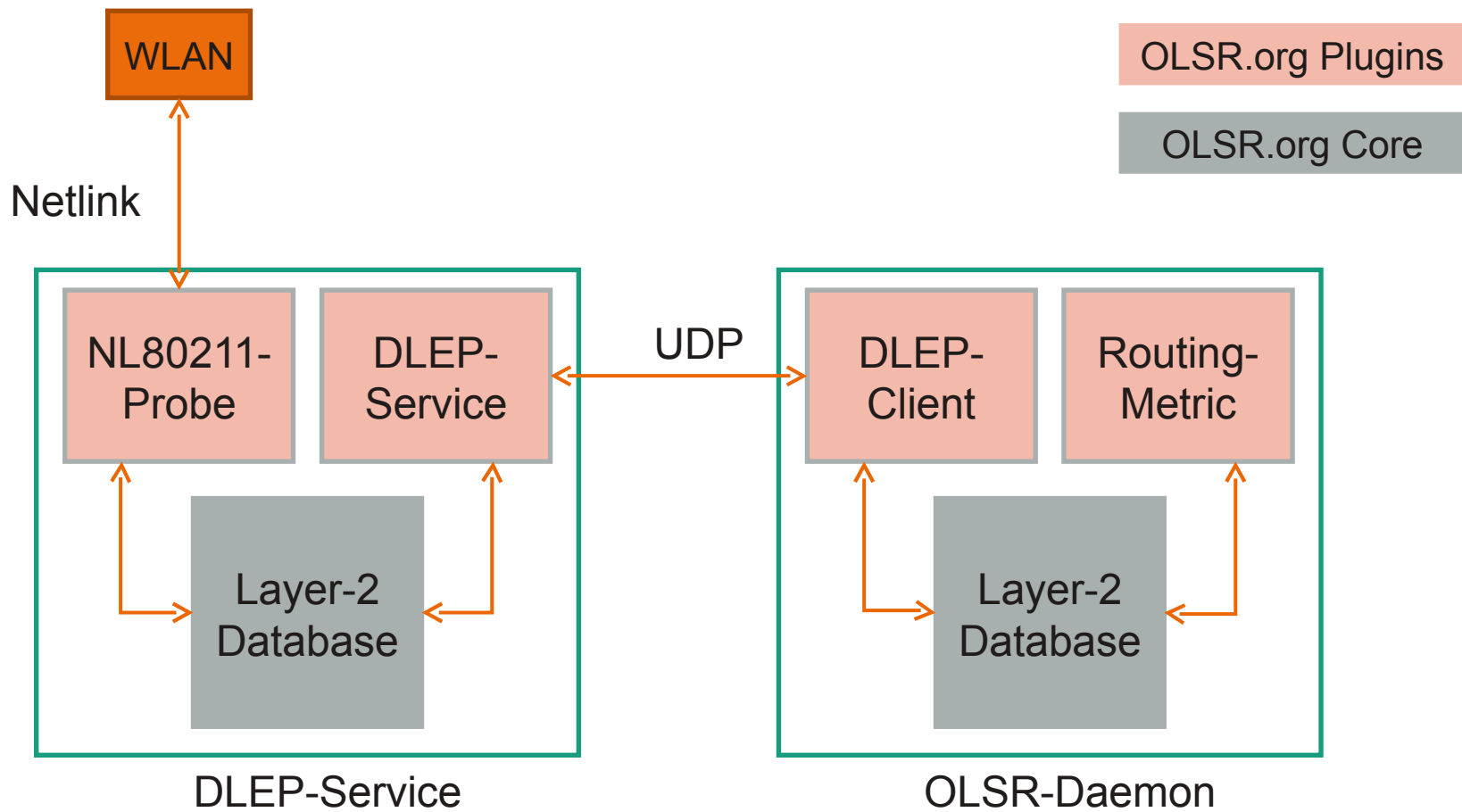
OLSR.org status (3)

Needs feedback!

DLEP

- Router - Radio communication
- Transport Layer 2 data

DLEP prototype



Potential future node design?

