OpenSER v1.2.0

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.....also called OpenSER

on steroids!!

13 new modules (+25%)

4 new core features

+30% speedup on TM timers

10x more accurate timers

script variables

....all this in ~6 months

The “Doctors”

- Voice System (80% of the code)
- Soma Networks
- Collax
- Voztelecom
- Enum.at

Main targets:

- robustness
  - performance
  - security
  - management
  - flexibility
- new features
  - presence
  - XMPP
  - application server

Presence and Simple

- modular design for presence
  - one presence engine
  - several (specialized or not) components to inject presence information
- this design enables:
  - presence support for non-SIP entities
    - publish the CPU usage of your desktop
    - publish weather information
    - publish the stock size from your store
  - presence support for old SIP phones
  - easy creation for custom/complex presence extensions
    - BLA/SLA
    - dialog presence
- instant messaging conferencing (IRC style)

Presence from Non-SIP device

Management

- **Management Interface**
  - pull support for internal statistics
  - push support for external commands
  - different communication layers (local and remote; Ex: xmlrpc)
  - easy to integrate in any external applications (web, shell, perl, etc)
- **SNMP support**
  - built in AgentX subagent for pulling data directly from OpenSER
    - uses standard SIP MIBs
    - OpenSER specific MIBS were added
  - offer ideal hook for traditional SNMP-based platforms
  - this was an external contribution

Statistic charts

Application Server

A more complex configuration:

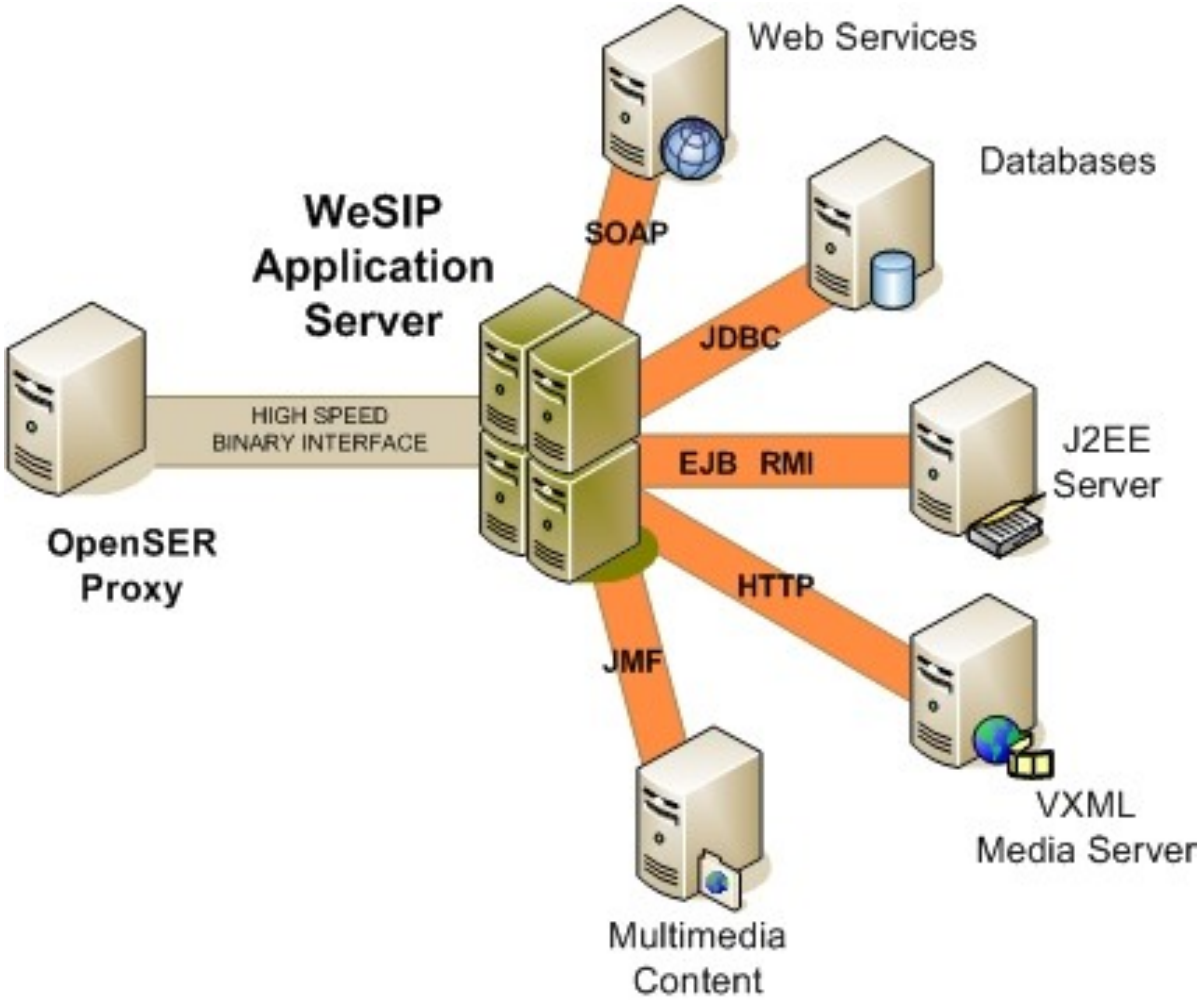
- a separate logical Application Server to be used
- OpenSER reused as SIP stack and transaction engine

- **Standalone Application Server (weSIP-www.wesip.eu)**
  - implements SIP servlets (in Java)
  - uses a connector to talk to OpenSER
  - offers an ideal base for building SIP application with high complexity without dealing with the low details of the SIP part
- **Perl programming interface**
  - triggering PERL scripts from the openser config file
  - similar to Asterisk AGI

Benefits?

- use a robust and fast SIP implementation
- easy and fast creation of high level SIP applications (like PBX)

weSIP architecture



XMPP

- built-in XMPP gateway for instant messaging
  - transparent translation
  - chat with GoogleTalk® or Jabber buddies
  - flexible routing based on DNS (protocol discovery based on NAPTR)
  - join IM conferencing on XMPP servers
- presence (upcoming)
  - SIMPLE XMPP rich presence translation
  - sub-status mapping
- voice (future)
  - only at signaling level ?!
  - avoid keeping translation states

Thanks for your attention
You can find more at www.openser.org

Questions are welcome