



Experience Report on www.OpenATC.org & AudioLAN

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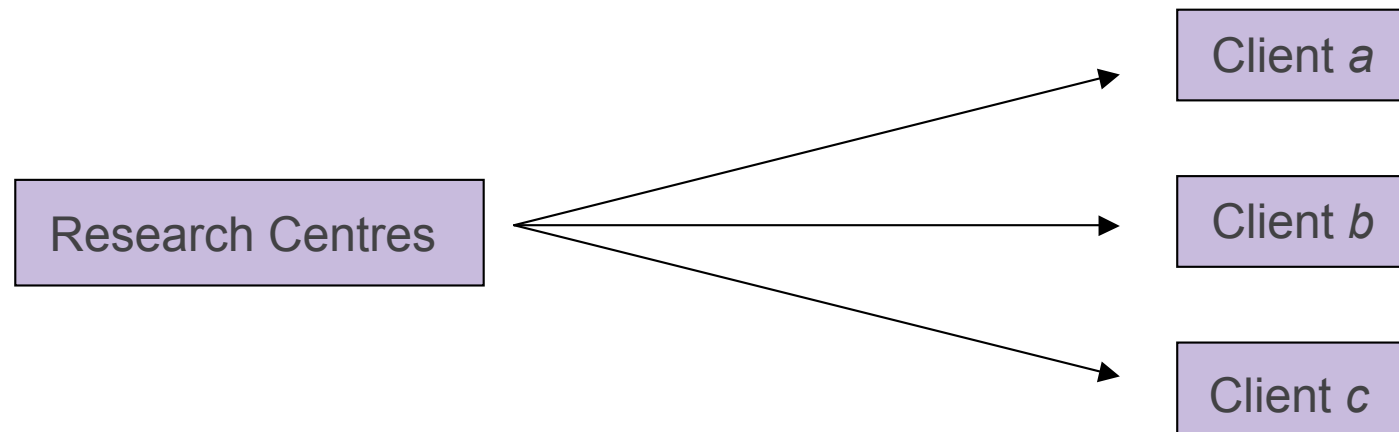


AudioLAN

- Voice-over-IP system for Air & Ground Communication
 - *Radio*
 - *Telephone*
- Developed from OSS
 - *Berkeley*
 - *INRIA*
- Customised for our needs and requirements
 - *Radio & Telephones functions*
 - *Environement (Supervision, Recording, ...)*
 - *Architecture (Software maintenance)*
 - *Industrialisation (outsourcing)*
- Success
 - *Deployed in 10 european sites*
 - *500 positions*
- Proposed as freeware to industry & research centres
 - *10 licenses agreement signed with industrials*
- Industrialisation
 - *Function re-customisation (new customer requirements)*
 - *New architecture design*



AudioLAN

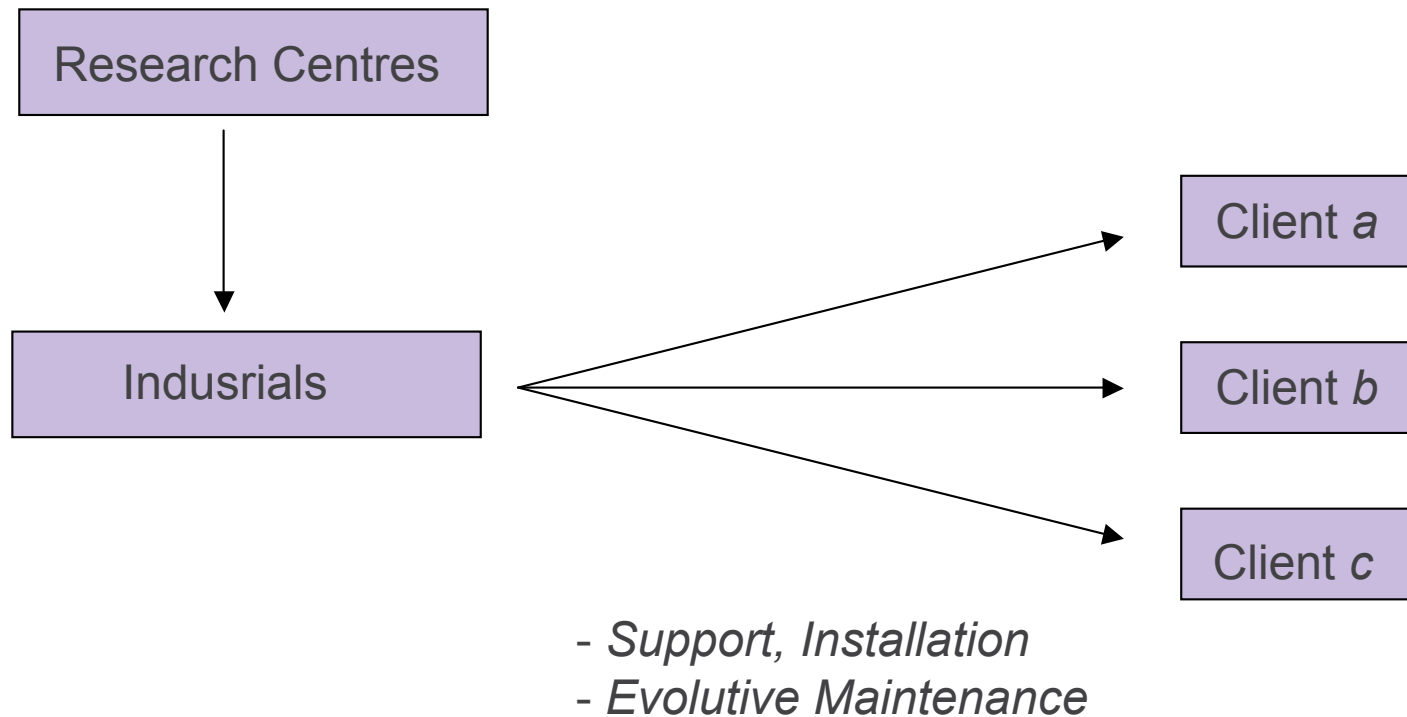


- *Support, Installation*
- *Evolutive Maintenance*

- *Role and mission of a research public centre is to make innovation and to promotes its innovation*
- *The role is not to become an industrial-like actor*



AudioLAN



- Industry is a key-factor to promote and use the research but at the end
 - *The OSS philosophy is lost (the product becomes again proprietary)*
 - *The cost remains the same (compare to former products)*
 - *For the client, the gain is just to have a more innovative product*



OpenATC

OpenATC was a consortium created by two research centres to stimulate Air Traffic Control research and development by providing an easy way to share resources: a web site for free software

BUT ...

- *Depending of the strategical value of pieces of software sometimes it was not put on-site as freeware*
- *No enough ATM research mass*
- *Invented at home issue and the pleasure to reinvente the wheel*

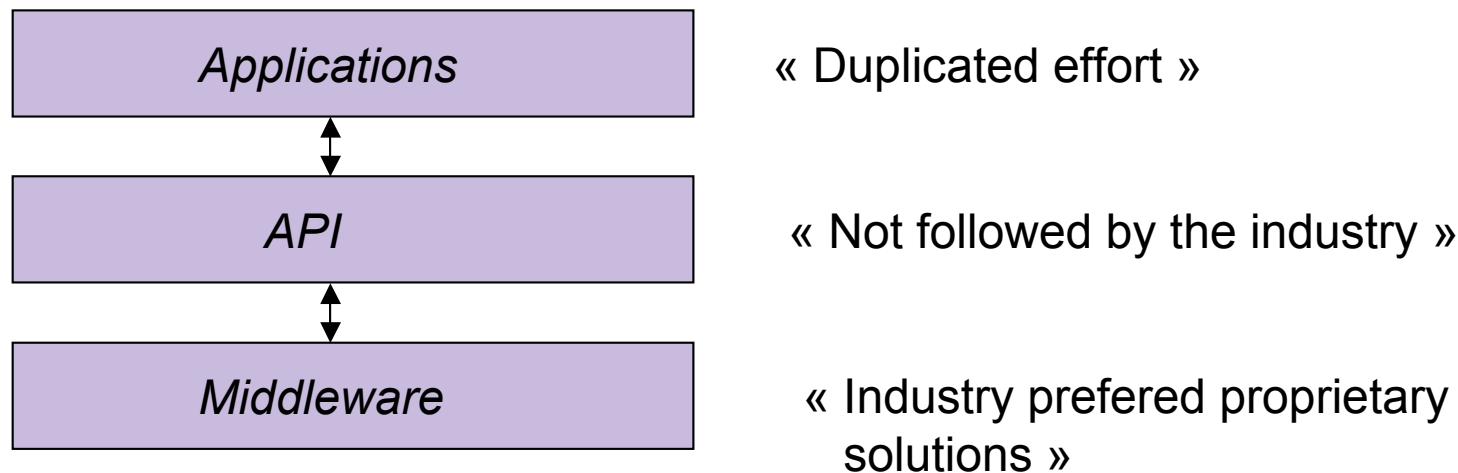


ATM research in general

Interoperability and plug&play dream

Because people thought it was more important to standardised Middleware and API

BUT ...





Conclusion

- The question remains : What is the future of OSS ?

Whatever the interest and quality of OSS product

- *Architecture, Functions and Interfaces (API)*
 - *Support and evolutive maintenance*
- } Critical issues

No mass- ATM research

- *Drastic reduction of research centre (privatisation, corporatisation, short-term oriented)*
- *Outsourcing (software development is no more representing the core-business)*

OSS is just opportunity

- *A freeware to capture clients and then to become proprietary... with the additional functionalities pretext (Skype)*
- *To capture clients just seduced by the free religion*
- *To make software free by commercial opportunity*

No sign of evidence for an OSS future in the ATM area



Conclusion

- What is the objective to have an OSS approach (outwards religion dogma) ?

Our research objectives (at minimum)

- *Create something usefull*
- *Make public*
- *Make transparent*
- *Make understandable*
- *Make available*

It looks like as OSS but maybe it was nothing to deal with OSS ...

The ATM research problem is not a technological issue but an operational one

(even I'm a computer science guy, been involved in technological project and OSS initiatives)