



JORAM USERS DAY



www.scalagent.com



www.objectweb.org

Objectives

- **Set up a direct exchange channel between**
 - Users
 - Users and Designers/Developers
- **Address key issues related to the future of the open source product JORAM**
 - How to enforce its **credibility** ?
 - *JORAM usage testimonies*
 - *Promotion and communication*
 - How to ensure its **durability** ?
 - *Enlarge the JORAM community (users and developers)*
 - *Increase the synergy within the community*

Agenda

14h00 – Welcome

14h10 – Introduction : ObjectWeb, status and perspectives

- Jean-Pierre Laisné - Chairman of ObjectWeb

14h25 – JORAM in a nutshell : context, status, perspectives

- Roland Balter (ScalAgent)

14h40 – Use cases

- Presentations by JORAM Users: usage, problems, needs, . .

16h00 – break

16h15 – The Future of JORAM

- Users point of view
- Developers point of view
- Discussion

17h30 – Conclusion

- Actions and follow-up



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ObjectWeb: status and perspectives

➤ **Presentation by Jean-Pierre Laisné**

- See the attached document



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Technological foundations: agent platform

- ➔ **Agents: distributed Java objects**
 - Communicating through messages
 - Event-reaction execution model
 - Atomic execution and persistent state
 - “lightweight” execution structure shared within an agent server
- ➔ **MOM: set of cooperating agents**
- ➔ **JORAM: JMS-based agent server**
 - “Queues” and “Topics” are agents
 - One “ConnectionFactory” agent on each node
 - One “Proxy” agent for each JMS client (provider or consumer)
 - JMS Messages are embedded within messages exchanged between agents through the MOM

➔ **JORAM: a distributed, configurable and scalable platform**

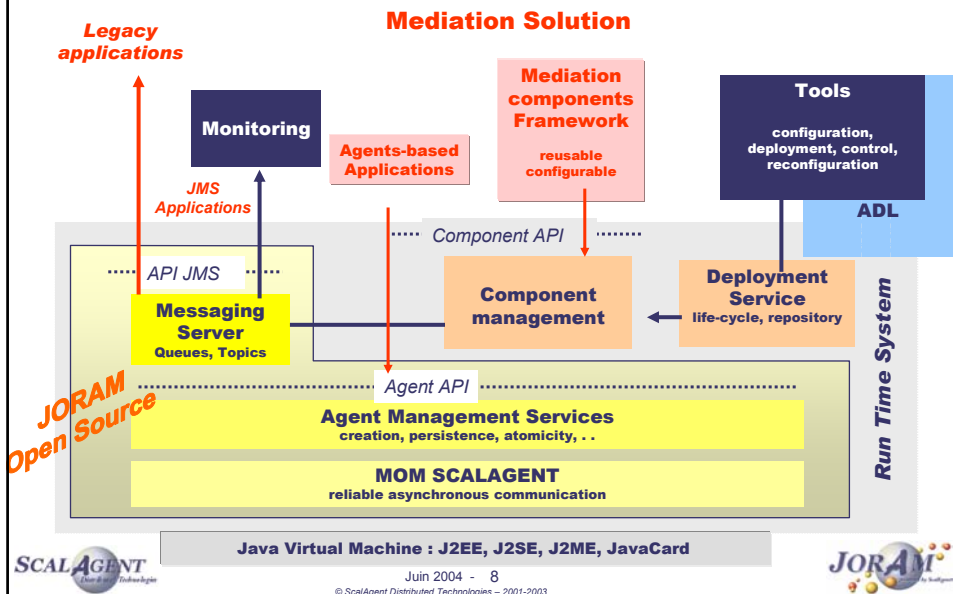


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JORAM in the Scalagent technological offering



JORAM Use Cases

✦ Presentations by Users

Context, solution architecture, issues, requirements, etc.

- Communication and Systems
- OpenWide
- Formatech
- EPFL
- Ministère de l'Education Nationale

✦ Some other identified uses

- Bull: asynchronous messaging component within the JOnAS application server
- France Telecom: data acquisition service for mobile terminals
- FastTrack: EDI application
- OpenWide: *Nosica* – Integration platform
- Illicom : *TradeXpress* – Integration platform
- KonaWare : *KonaWare Mobility Platform*
- ...

JORAM: which support ?

Demandes	Support Forum JORAM	Support ScalAgent
Usages > use of JORAM ----- > architecture of a solution integrating JORAM	« best effort » Not available	initial 'bronze' support pack Consulting services Training services
Bugs > JORAM > run-time environment	« best effort »	Initial offering: time-based operations Evolution towards more engaged support offering
Customization > e.g. adaptation to a given host environment New features > e.g. High Availability	Variable delay 'according to available resources'	Guaranteed delay > R&D contract > proprietary/open source result

JORAM: Evolution

- **Follow-up of the JMS specification**
- **Structural and functional evolutions**
 - Debugging
 - Performances
 - Administration
 - Availability and security
 - Documentation
- **Beyond JORAM**
 - JORAM-based middleware components
 - *ESB Platform (JORAM + XML services + content-based routing)*