



INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT

S4ALL Overview and first results

ITEA Symposium 2006

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European leadership in Software-intensive systems and Services. The Future of Embedded and Distributed Software.



Paris 1st - 6th of October

S4ALL Overview and first results

“Services-for-All” vision



A world of services that are...

- Easy to create,
 - Easy to share,
 - Easy to use,
- ...and still mobile & user-centric!



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“Services as easy to create as web pages”



Paris / 5th – 6th of October

S4ALL Overview and first results



• Easy to create

- Creation Tools & Semantic
 - Service taxonomies and service discovery
 - Reuse of existing services and components
 - Semantic orchestration of components, loosely coupled approach, automatic aggregation
 - Interoperability, composibility of well defined services

• Easy to share

- Generalized client-server architecture and Semantic Publishing
 - « My server in my pocket », « My server at home »
 - Service deployment in just a few clicks
 - Service publishing w.r.t. existing ontologies

• Easy to use

- Semantic Service discovery
- Light-client
- User-centric

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A European Consortium of Industries and Academics



Paris / 5th – 6th of October

S4ALL Overview and first results

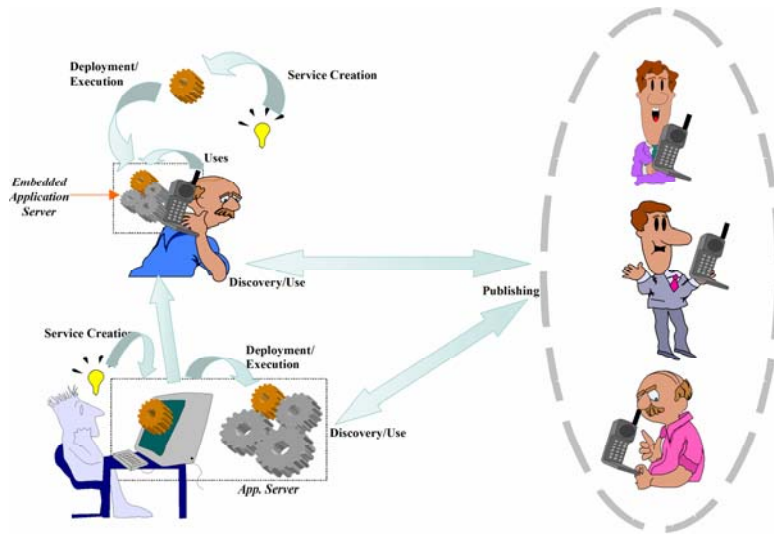
■ European project, national funding, 2 years, 16 partners

- France
 - Alcatel CIT (coord.)
 - BULL
 - Thales
 - INRIA
 - Université Joseph Fourier
 - Schneider Electric
 - INT
 - Odonata (SME)
- Finland
 - NOKIA
 - Capricode (SME)
 - HIIT
- Germany
 - University of Kassel
 - Fraunhofer Fokus
 - Vodafone
- Spain
 - mCENTRIC (SME)
 - Universidad Politécnica de Madrid

An Opportunity to extend the scope of ObjectWeb portfolio

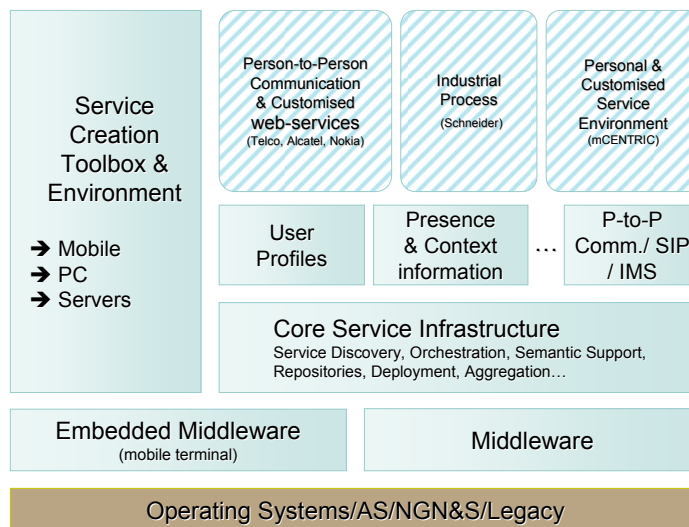
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Uses cases



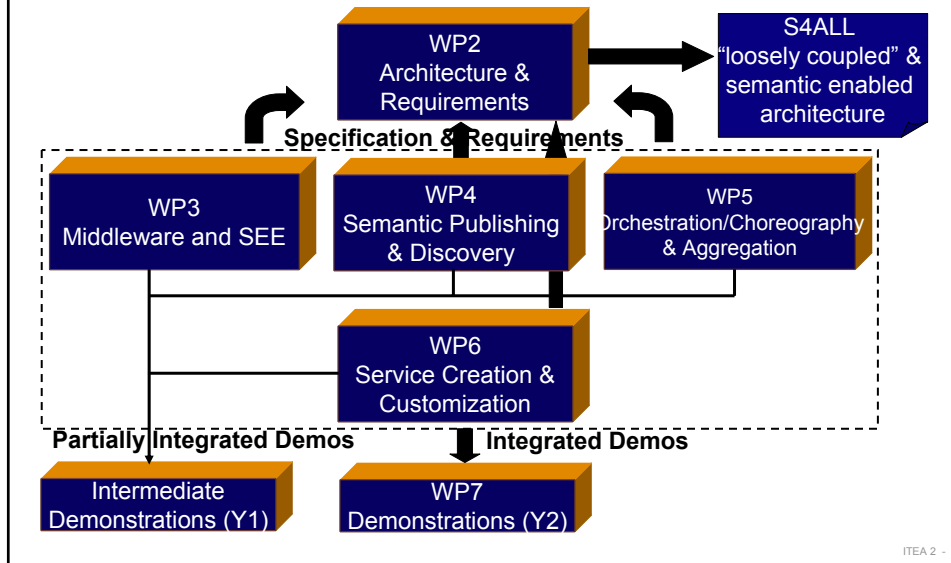
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Simple Architectural view



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Work package split



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Mid-term results

- WP2 “Basic Assumption & Requirement” deliverable released
- WP2 “S4ALL initial Architecture” deliverable released (life cycle, loosely coupled, semantic enhanced, service deployment and execution)
- In // a lot of “middleware” and IT technologies have been specified and implemented (Orchestra, JOnAS, creation tools,...) with associated deliverables (WP3, 5,6)
- A semantic framework for semantic publishing & discovery has been specified and partly implemented
- Lot of demonstrations already available, some of them being integrated demos: service creation (PC and Mobile phone), workflow mngt (transactional engine), data mngt.

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Thank you *for your attention*

