



# RNTL JOnES Project

## France Telecom and the open source ESB PEtALS platform

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# the RNTL JOnES project 1/2

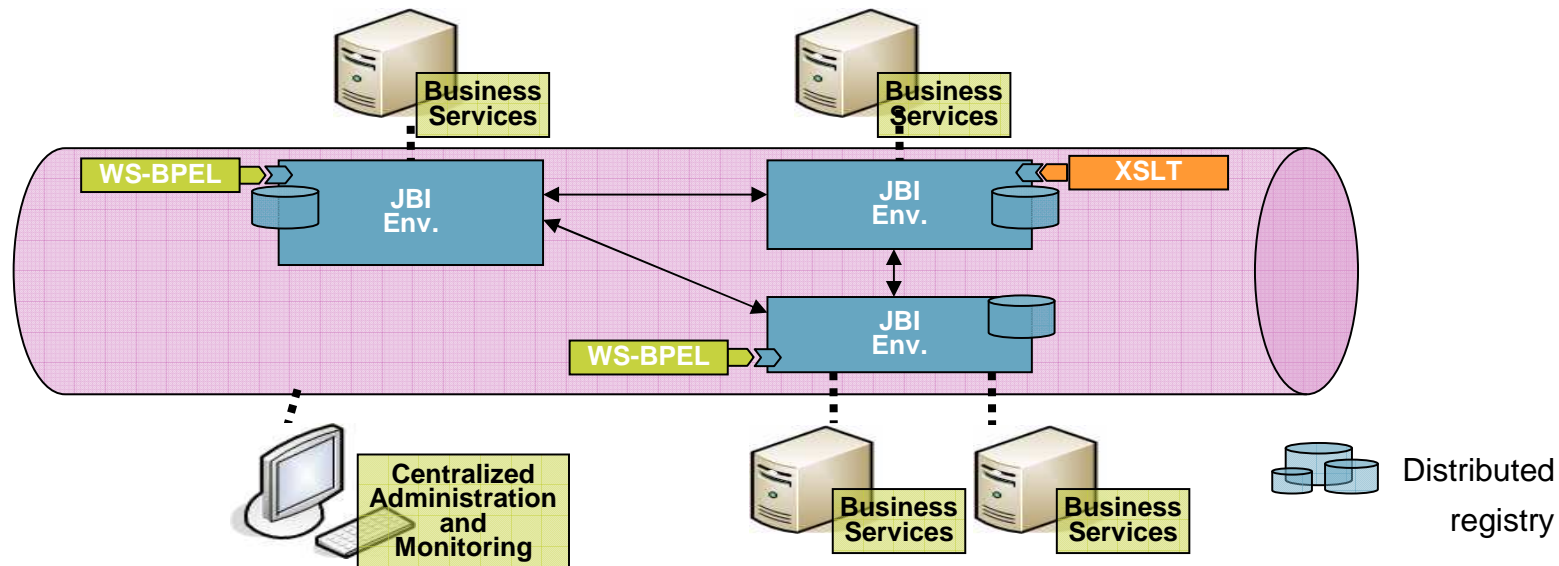


- RNTL platform project labelled in 2005
  - Will end in Q1 2008
- partners
  - INRIA
  - EBM Websourcing
  - ENSTIMAC
  - France Telecom
  - Open Wide
  - ScalAgent Distributed Technologies
- JOnES has a booth at STIC 2007
  - come and visit us!

# the RNTL JOnES project 2/2



- goal: framework for the creation of Enterprise Service Bus (ESB)
  - based on the Java Business Integration (JBI) standard
- PEtALS platform
  - open source distribution at OW2: [petals.objectweb.org](http://petals.objectweb.org)



# France Telecom and JOnES on the R&D side



- contributions to the project
  - architecture, state of the art and requirements
  - use case based on FT ESB experience
  - SLA (Service-Level Agreement) design and specification
- acquisition of competence in the ESB domain & mutualisation of R&D work developed within FT, as part of other projects
  - administration / monitoring framework (RNTL SelfWare)
  - reliable service composition (RNTL Faros)
- perspectives : coming RNTL SemEUsE project (2008-2010)
  - integration of a management framework in PEtALS
    - composite probes, monitoring ...
  - SLA enforcement & mapping to technical SLO - relies on monitoring
    - interest in agreement negotiation

# France Telecom ESB practice

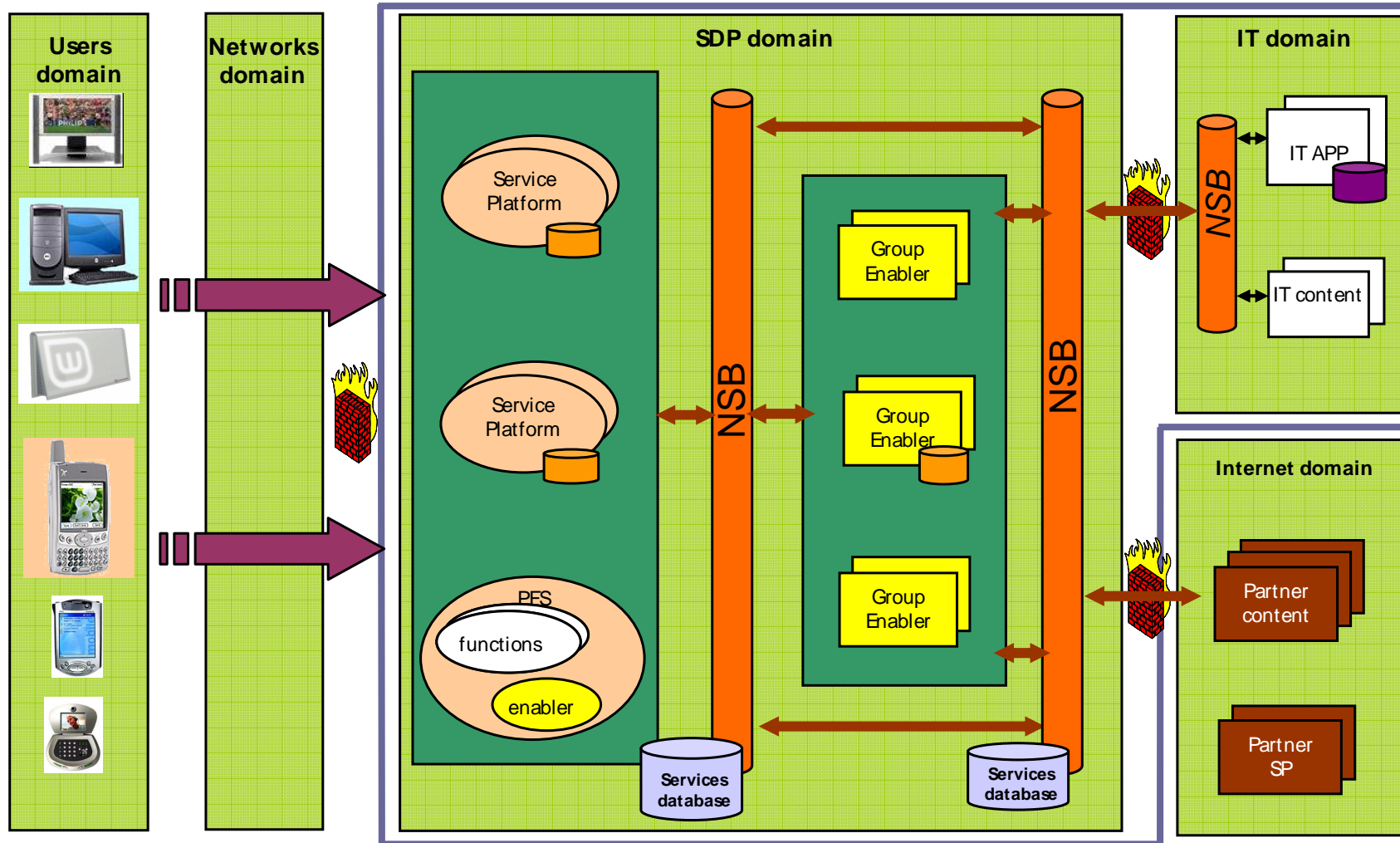


- France Telecom Group SOA prescription
  - concerns web service publication and consumption
    - Governance, use of bus, WSDL formats...
  
- technical web services bus
  - for WSP/WSC exchanges
    - deployed since 2006
    - B2B planned by end 2007
  - mutualisation of technical functions
    - logging, service authentication and authorisation, IT SLA...
  - several scopes for communication
    - IS-services, services-services, B2B

# France Telecom and ESB



Application domains city-map



IAS scope

NExT Service Broker infrastructure

# future work on ESB within France Telecom



- ➔ goal: to go further than a technical web services bus
  - higher mediation functions
  - orchestration
- ➔ work planned for 2008
  - qualification of products
    - respecting JBI: include PEtALS as an open source alternative
  - on a real FT use case
- ➔ interests of PEtALS
  - low cost open source alternative
    - for internal use and Orange business customers
  - openness
    - re-use existing infrastructure

# SOA software architecture target

