

OBJECTWEB ARCHITECTURE MEETING
 April 5-6, 2006
 INRIA Montbonnot, France

Wednesday April 5 th , 2006	
09:30AM-12:45AM Focus on ObjectWeb projects	
<i>Amphi F107</i>	
09:30AM – 10:00AM Title : Projet FederID Speaker : Sebastien Bahloul, Linagora	<i>(Abstract to come)</i>
10:00AM – 10:30AM Title : Overview of the SAT4J project Speaker : Daniel Le Berre, CRIL-CNRS, Artois University	SATisfiability testing has received a huge interest from major companies such as IBM, Intel or Microsoft in recent years for applications ranging from hardware verification to software verification. The SAT4J project provides a Java library of satisfiability engines to be embedded in Java applications. The presentation will focus on the possibilities offered by the SAT4J project and its integration with other ObjectWeb projects.
10:30AM- 11:00AM Title : Spago : New Spago release towards SOA Speaker : Gianfranco Bocalon, Engineering Ingegneria Informatica.	Service Oriented Architectures are emerging for the development of business solutions: concepts like loose coupling of components and event-driven architectures are not anymore "trendy" but they represent a necessity, especially for complex heterogeneous systems. Spago framework is strongly SOA oriented: using current release it's possible to access the services as Web Services, through JMS messages, and through EJB calls. Our intention is to enforce the Spago "SOA vocation" adding some components and functionalities: the actual JBI (Java Business Integration) integration moves on this direction. This is a natural evolution of Spago according to JBI goal defining the Java standard for the integration of services. The integration allows the development of standard Spago services and deployment in a JBI container (in addition to the other modalities). Future evolutions of Spago comprise also the JSF (Java Server Faces) and AJAX (Asynchronous JavaScript and XML) integration: in this case the goal is to extend Spago on the Front End tier allowing the developer to produce "rich clients" with the standard Spago developing mode. With these integrations Spago will gain the possibility to use the visual component libraries that the communities (both Open Source and commercial) will provide.
11:00AM – 11:15AM Break	
11:15AM – 11:45AM Title : Oxymel presents OFC Charts Speaker : Dominique Leroux, OXYMEL	OFC Charts fills the need for publishing reports and statistics in graphical format such as Pie Charts / Curves / 3D Graphics / Histograms. Written in JAVA OFC Charts automates the graphical image creation from single or multiple data sets: <ul style="list-style-type: none"> · Multi-formats, allows to choose the kind of display and the output format of the generated image. · Generates images in JPEG or SVG standards, allowing the creation of animated images. · Complies with J2EE standards, integrating efficiently into Internet environments.

<p>11:45AM – 12:15AM Title : Telosys : a full Ajax framework to build Client/Server Web Applications Speaker : Laurent Guerin, SOGETI</p>	<p>Telosys is an Open Source framework designed to build easily "Client/Server Web Applications" with standard technologies (http, Java, XML, DHTML, Ajax) It covers all the technical layers of a project : UIL (User Interface Layer), RPL (Ajax Request Processing Layer), Screen Contexts, DAL (Data Access Layer) The "client-side" and the "server-side" are completely independent (the server can be used with any kind of "http client")</p>
<p>12:15AM : 12:45AM Title : JOnES project Speaker : Alain Boulze, ObjectWeb/INRIA</p>	<p><i>(Abstract to come)</i></p>
<p>12:45AM – 02:00PM Lunch Break</p>	
<p>02:00PM – 04:30PM Collaborative Infrastructure Workshop <i>Amphi F107</i> Session chair : Xavier Moghrabi, ObjectWeb/INRIA Workshop presentation : This workshop intends to:</p> <ul style="list-style-type: none"> - summarize the next evolutions of the ObjectWeb Information System, - present the technical components that could fit the new specifications, - collect expectations from the community about the future infrastructure, - define a roadmap on the implementation of the ObjectWeb IS with the help of members. <p>Introduction (02:00PM – 02:15PM): The evolution of ObjectWeb infrastructure, by Xavier Moghrabi, ObjectWeb/INRIA</p>	
<p>02:15PM - 02:45PM Title : eXo Platform Speaker : Ludovic Dubost, XWiki</p>	<p><i>(Abstract to come)</i></p>
<p>02:45PM- 03:15PM Title : VDoc Solution Invited Speaker : Roch Auburtin, Axemble Group</p>	<p>VDoc Suite (a Smart Enterprise Suite) covers enterprise needs for content management, knowledge management and collaboration, and supports the extended virtual workplace inside and between enterprises.</p> <p>VDoc Suite integrates in a portal (portlet architecture) :</p> <ul style="list-style-type: none"> - applications for communication (news publishing, RSS syndication, polls, links) and collaboration (Forums, People Find, Messaging integration) - a human workflow product that allows to design processes graphically and to generate without programming Web Forms, Views and logic flow - an essay access to indicators and reports - an electronic document management systems (WebDav compliant) to share and publish documents - a Web Content Management system - an easy way to integrates existing Web application through a simple Single Sign On technology (form post submit simulation)
<p>03:15PM – 03:30PM Break</p>	
<p>03:30PM – 04:00PM Title : XWiki Speaker : Ludovic Dubost, XWiki</p>	<p>XWiki is an advanced wiki platform designed for enterprise usage that features great system and user level extensibility. Groovy and velocity scripts developed directly in wiki pages can manipulate persistent data managed through an automatic object relational mapping and easily drive form based user interfaces. XWiki also features a plug-in architecture that facilitates integration of external data and services and exposes new features such as access to web services through a protected API that can be called by user level scripts. XWiki is a key component of any collaborative platform that wishes to benefit from the scalability, the robustness and the rich APIs and components available on the JAVA platform</p>

04:00PM – 04:30PM

Title : LibreSource, a collaborative development platform

Speaker : Julien Forest

LibreSource is a collaborative platform dedicated to the software development and management of distributed communities. It tries to bring into a unique and customisable tool the software development oriented-platforms and the groupware ones. Fully based on the J2EE technology and the JOnAS application server, LibreSource includes an innovative control versioning system, called So6, and most of the tools needed for a software project management and a community leading. Thanks to an increasing and very active community life, LibreSource is progressively becoming a reference in terms of next generation forge.

The potential possibilities offered by LibreSource in terms of collaborative infrastructure will be presented and discussed in details, as well as its possible integration as project in the community dynamics of ObjectWeb.

Thursday April 6th, 2006

09:30AM-01:00PM **RFID Workshop**

Workshop presentation:

RFID is becoming a key driving force for next generation network IT system with its vision of "Internet of Things" and the strong support from major retailers like Wal-Mart and Metro and mandate from Department of Defense. Network infrastructure software (middleware) will play a significant role to archive the promise of "Internet of Things."

ObjectWeb as the leading organization for open source network infrastructure software should actively participate in this emerging area of technologies innovations and business opportunities. ObjectWeb has launched an Open Source RFID Initiative to establish its position in the area of RFID middleware, leverage the business opportunities to establish business ecosystem around the Initiative and promote the usage of its projects in RFID market.

The goal of the workshop is threefold:

1. present the rationale and objective of the ObjectWeb RFID initiative, 2. discuss technical approaches 3. identify interest from participants and potential cooperation streams within ObjectWeb and with other open communities

Session chair : Roland Balter, Scalagent

Amphi F107

09:30AM – 10:00AM

Title : Presentation of the RFID initiative

Speaker : Roland Balter, Scalagent and David Li, Macnica

10:00AM – 10:30AM

Title : Report on the IST workshop (march 6th) and on the working group of the French Ministry of Industry

Speaker : François Letellier, ObjectWeb/INRIA

10h30AM – 10h45AM Break

10:45AM - 11:15AM

Title : Presentation of Singularity Project

Speakers : Ron Rose and Tom Rose, FirstOpen

11:15AM - 01:00PM Open discussions

- RFIDi : development directions
- Which architecture for a open-source RFID middleware
- Assessment of open-project from other communities (Singularity, RadioActive,...)
- Relationship with ESBi
- ETSI plug test
- Proposition for the chapter in NESSI SRA volume 2

12:00AM – 02:00PM Lunch Break

<p>02:00PM – 04:45PM J2EE Middleware Session (detail of the session below) Session abstract Clustering is a mean for ensuring scalability and high availability of application servers. It is becoming a hot topic for the JOnAS community and there is a lot of expectation from the next coming versions. This session aims to give food for thought in order to define the workplan of JOnAS 4.8 and JOnAS 5, and to set the right priorities. Session Chair : Benoit Pelletier, Bull SAS <i>Amphi F107</i></p>	<p>02:00PM – 04:00PM : ObjectWeb Board meeting (access restricted to ObjectWeb Board members) <i>[Audio conference phone number : +1 01 72 12 29 69]</i> <i>Room A104</i></p>
<p>02:00PM – 02:30PM Title : Simplifying Enterprise JavaBeans Development with EasyBeans Speaker : Florent Benoit, Bull SAS</p>	<p>The Java Enterprise Edition 5 (Java EE 5) specification, the J2EE 1.4 successor, focuses on Ease of Development. This is particularly true for the EJB3 specification. EJB programming has often been considered as too complex, although many tools have been provided to simplify this task, like XDoclet (annotation programming) and many Integrated Development Environments plugins. EJB3 provides a brand new simplified programming model for enterprise application development. This session will highlight the main EJB3 concepts, including EJB components programming as POJO, annotations, interceptors, callbacks, and the new persistence model. Most of them will be illustrated by examples demonstrated on the new EasyBeans container. In addition to the intrinsic EJB3 advantages, the new EasyBeans technology brings still more facilities to Enterprise Application developers, especially regarding deployment and client container issues. This will be presented through the description of the new EasyBeans container architecture.</p>
<p>02:30PM – 03:00PM Title : A walk through the application servers clustering features Speakers : Yannick Breauer & Nicolas Duvauchel, Bull S.A.S</p>	<p>This talk will describe the clustering capabilities provided by the major commercial and open source application servers. For each one, the strengths and the weaknesses will be emphasized by examining the following aspects: administration capabilities, available technologies and mechanisms for ensuring scalability and high availability.</p>
<p>03:00PM – 03:30PM Title : Consistent Replication of EJBs Speaker : Ricardo Jimenez, UPM</p>	<p>This talk will present a protocol for consistent replication of EJBs, including both session and EBs. The approach exploits a novel replication technique known as vertical replication in which the replication of the AS is coupled with the one of the DB. In this way, the DB is not shared and no replicated DB is needed saving the costs of expensive parallel replicated DB servers. In the talk, it will be presented a replication protocol providing full consistency. The consistency guarantees for replicated data is 1-copy-correctness. Additionally, all EJBs are provided with exactly-once interaction guaranteeing consistency in the advent of failovers</p>
03:30PM – 03:45PM Break	
<p>03:45PM – 04:15PM Title : JOnAS clustering features status Speaker : Benoit Pelletier, Bull SAS</p>	<p>This presentation will give a status of the available clustering features for the most recent JOnAS version (4.7). The focus will be made on new features such as the load-balancing at the EJB remote interface level, the ability to customize the load-balancing/fail-over logic with the CMI protocol, and finally the very expected high availability of the SFSB EJB. Afterwards, the main drawbacks or misses of the current JOnAS version regarding the clustering aspects will be highlighted and a proposal workplan will be submitted for further discussions.</p>
04:15PM – 04:45PM	Open Discussion