

	Presentation proposals from the OW2 Community at Javoox 2008
	<ol style="list-style-type: none"> 1. - JOnAS 5: a New Generation Application Server 2. - Smooth Java EE Application Migration Without Interruption of Service 3. - EJB3 Service Monitoring: an Essential Feature in Production 4. - Java EE Distributed Platform: How To Deal With Such Complex Deployment? 5. - Building Rich Administration Console with Adobe Flex and Java 6. - View, Discover, Analyze and Modify Java EE Archives in a Single Tool. 7. - EJB3 Becoming OSGi™ First Class Citizens 8. - Use Groovy to Administrates Java EE Application Servers 9. - Enterprise 2.0 Portals: What's New for Developers? 10. - Leverage Amazon Web Service To Build Your Project Infrastructure 11. - What's New in Open Source BI and SOA? 12. - Effective SOA + GRIDs with ProActive Parallel Suite 13. - SOA and 100 Million Messages Per Day: Federated ESB For Cross-Boundaries Integration 14. - SOA Standards In Java: The Best Of Both World Java™ Business Integration And Service Component Architecture 15. - Enterprise-Level SOA With Governance 16. - AJAX & Java development : "Make it simple!" 17. - Wiki 2.0 : building applications right into your wiki 18. - Open Source Business Intelligence, Geospatial, Data Quality and Data Integration platforms 19. - (Re)discovering authorization APIs and LDAP model binding 20. - "The Process Virtual Machine", a revolutionary technology for BPM 21. - Growing A Real-World Open Source Business Ecosystem
<i>Title 1</i>	JOnAS 5: a New Generation Application Server
<i>Speaker 1</i>	(BULL)
<i>Abstract 1</i>	<p>This presentation gives an overview of JOnAS 5.1, the new major release of the Java EE™ application server from OW2, Java EE 5 certified.</p> <p>Developed within OW2, first worldwide industry consortium dedicated to open source middleware, JOnAS benefits from a large international users and developers community. This new version and related OW2 projects bring new answers regarding administration and development costs reduction.</p> <p>Among the main innovative features:</p> <ul style="list-style-type: none"> • The OSGi kernel brings dynamism to services and server management, modularity, extensibility, and makes the application server administration easy. • The EasyBeans EJB3 container provides breakthrough facilities for development and deployment. • The JASMINe OW2 project provides tools for configuration, deployment and monitoring of complex distributed architectures like JOnAS clusters. • JOnAS clustering solutions now address large scale deployment and dynamic reconfiguration.
<i>Title 2</i>	Smooth Java EE Application Migration Without Interruption of Service
<i>Speaker 2</i>	(BULL)
<i>Abstract 2</i>	<p>Today, many applications and services are hosted on Java EE servers. The operational experience of a telco operator (Orange™) has shown that such applications constantly evolve along three main lines: typically weekly updates of parameters contained in the configuration files, weekly minor application updates and three-monthly major application</p>

	<p>updates.</p> <p>For now, in order to carry out these updates, the application must be stopped and re-started, leading to an interruption in the service, and, in particular, users connected at the time are forced to disconnect.</p> <p>OW2 open source application server JOnAS 5 project tackles this high availability problem for 24x7 critical applications by providing an advanced deployment facility. Through the versioning feature, web applications can be migrated smoothly without interruption of service and without users' sessions being lost. The JASMINe Jadort tool orchestrates the migration of a groups of servers and applications. It provides a centralized Web2.0 console with rollback and error management features.</p> <p>The session will describe the principles and will give a demo.</p>
<i>Title 3</i>	EJB3 Service Monitoring: an Essential Feature in Production
<i>Speaker 3</i>	(BULL)
<i>Abstract 3</i>	<p>The Java EE™ / EJB3™ standard eases the business components development and, today, EJB3 applications are increasingly deployed in the enterprise information system. The production environment has strong requirements in terms of monitoring capabilities with different objectives: checking on the fly the operational conditions (SLA, performance, error), observing the system over a mid or long term period for getting statistics, detecting problems (memory leak, saturation) and as well provisioning and doing capacity planning.</p> <p>OW2 tackles this problem and provides a comprehensive and integrated solution through two projects:</p> <ul style="list-style-type: none"> • EasyBeans, the OW2 EJB3 container, provides a full MBeans based monitoring information base accessible through a JMX remote interface. Runtime indicators do publish monitoring data about internal components behaviour (pool, threads, ...). Business components indicators do provide metrics such as the number of method calls or the processing time. • JASMINe is an advanced administration tool for SOA platform. Its monitoring feature provides a large set of tools for collecting, aggregating or storing the raw indicators. A Web2.0 console enables to follow indicators into graphics and a rules engine can be used for implementing some error detection policies. <p>The session will describe these EJB3 monitoring capabilities and will give a demo.</p>
<i>Title 4</i>	Java EE Distributed Platform: How To Deal With Such Complex Deployment?
<i>Speaker 4</i>	(BULL)
<i>Abstract 4</i>	<p>Nowadays, Java EE™ applications are widespread in the enterprise information system. The SOA principles promote the services reuse and services composition. It follows that applications are often distributed and so are becoming more and more complex to administrate, resources are numerous and may evolve at runtime. The deployment of such application is quite a difficult task, it concerns both the middleware deployment and the application deployment. For the middleware deployment, the operator must cope with the service infrastructure configuration and the relationship between the distributed elements in a consistent manner. Concerning the application deployment, the task can be very variable according to different criterias: localization of the application packages (repositories, local, ...), persistence (autoloading at starting), dynamic (automatic reloading if the source evolves), cluster wide or standalone, presence of the underlying middleware services, and so on.</p> <p>The talk will show how the OW2 solutions make distributed deployment easy for the operator:</p> <ul style="list-style-type: none"> • with the JASMINe design tool that enables to build and deploy a distributed middleware configuration • with the JOnAS 5 deployment plan feature and the support for maven/OSGi

	<p>bundle repositories (OBR), cluster environment and hot redeploy.</p> <ul style="list-style-type: none"> • With the JOnAS 5 incremental services delivery for starting dynamically services at deployment time.
<i>Title 5</i>	Building Rich Administration Console with Adobe Flex and Java
<i>Speaker 5</i>	(BULL)
<i>Abstract 5</i>	<p>Monitoring and administrating components of application servers is a need for most of users, developers and administrators. Many metrics are available and have to be rendered on the web console. Also some configuration like the administration of a domain/cluster can be done easily with a responsive graphical view. In order to provide a rich graphic experience to the users, OW2 JOnAS, EasyBeans and JASMINe projects are using Adobe Flex™ and Java on the server side in order to build their administration and monitoring tools. This allows to get great visual components in many environments: The same view is available in a web browser and in a standalone application.</p> <p>The presentation will show how Adobe Flex™ technology was used with Java in order to build rich and dynamic administration/monitoring console. Feedback from the use of these technologies in OW2 JOnAS, EasyBeans and JASMINe administration console tools will be illustrated with some demo showing use case and visual experience.</p>
<i>Title 6</i>	View, Discover, Analyze and Modify Java EE Archives in a Single Tool.
<i>Speaker 6</i>	(BULL)
<i>Abstract 6</i>	<p>Java EE 5 has introduced the use of annotations that ease the development of Java EE applications. Now, one issue is that with optional deployment descriptors, it's harder to know what is inside the Java EE applications. Deployers usually have to answer these kind of questions: What is contained in this EAR file? .jar files are EJB-JAR files, libraries or clients ? Are there Stateless or Stateful beans ? What is the security applied to my beans ? etc.</p> <p>The OW2 JOnAS EE explorer is composed of tools allowing to generate or complete existing deployment descriptors by reading annotations. This allows to discover the modules and components packaged inside the Java EE applications. The explorer is providing a graphical view for any kind of archives which is displayed with a structured view. With one click on a given archive, the tool can show how many EJB are inside, their type, etc. The OW2 JOnAS explorer is also providing Ant tasks or Maven plugins that can generate deployment descriptors automatically. For example, the developer will use only annotations in its code. The deployer can view and edit the deployment descriptors by applying the tool on the Java EE applications.</p> <p>This presentation will illustrate the new deployment issues introduced by annotations usage and how these issues can be fixed with this tool.</p>
<i>Title 7</i>	EJB3 Becoming OSGi™ First Class Citizens
<i>Speaker 7</i>	(BULL)
<i>Abstract 7</i>	<p>Nowadays, OSGi™ is becoming more and more accepted in the middleware environment. Using OSGi as the underlying middleware platform brings modularity, extensibility and dynamism to applications. The Java EE™ / EJB3™ programming model eases the development of business components. Theses two recognized standards, combined together, provide added value to both OSGi and Java EE developers.</p> <p>OW2 EasyBeans, the open source EJB3 container, has been the very first EJB runtime to be executed on top of an OSGi platform and to provide to developers:</p> <ul style="list-style-type: none"> • Benefits of the OSGi module: strict package dependency control, making fine grain and versionned dependencies possible for EJB modules • Benefits of the dynamism and composability of the OSGi services at the EJB level: automated injection of services matching constraints

	<ul style="list-style-type: none"> • Benefits of the standard accepted and well known EJB3 programming model in OSGi: <ul style="list-style-type: none"> • Participation in the local gateway eco-system, transparently usable from legacy OSGi components • JPA Persistence, Transactions, Security
<i>Title 8</i>	Use Groovy to Administrates Java EE Application Servers
<i>Speaker 8</i>	(BULL)
<i>Abstract 8</i>	<p>Groovy is a well known language, designed for scripting and that makes it very suitable for administrators. This talk will focus on how Groovy can be used efficiently to administrate a complex Java EE application server.</p> <p>The scripting feature of Groovy will be demonstrated with the help of the new dynamic shell of OW2 JOnAS, Shelbie:</p> <ul style="list-style-type: none"> • Management of the server (start, stop, configure) • Dynamic addition and removal of management capabilities using OSGi™ bundles • Remote control capabilities offering server startup/shutdown/management • Cluster management (clusters definition available at runtime) • Scripting capabilities driven by the administrator: Automated reconfiguration, notification, etc. • first step to simple autonomous computing
<i>Title 9</i>	Enterprise 2.0 Portals: What's New for Developers?
<i>Speaker 9</i>	Benjamin Mestrallet and Tugdual Grall, eXo Platform
<i>Abstract 9</i>	<p>In this session, developers and architects will see how new generation portal can be used to create "Enterprise 2.0 Portal", based on latest Java APIS such as REST Services (JSR-311), Portlets (JSR-286/168, WSRP1/2) , JSR-170.</p> <p>But also, you will learn how with the Open Social API, or even simple HTML/Javascript to transform your Enterprise Portal in social platform to interact with your friends, colleagues, and business partners...</p>
<i>Title 10</i>	Leverage Amazon Web Service To Build Your Project Infrastructure
<i>Speaker 10</i>	Benjamin Mestrallet and Jeremi Joslin, eXo Platform
<i>Abstract 10</i>	<p>eXo Platform like any other project (and company) needs to have reliable and scalable IT. eXo Platform, has chosen to leverage Amazon Web Services to host his project and build environment, its internal it and even providing SaaS to customers and partners.</p> <p>In this presentation you will see how Amazon Elastic Cloud Computing (EC2), Simple Storage Service (S3), and SimpleDB are used to run the project and the company.</p>
<i>Title 11</i>	What's New in Open Source BI and SOA?
<i>Speaker 11</i>	Davide Dalle Carbonare, Engineering Ingegneria Informatica s.p.a.
<i>Abstract 11</i>	<p>New features of SpagoBI and Spagic, two OS projects supporting Business Intelligence and Service Oriented Architecture environments, are being illustrated.</p> <p>The SpagoBI architecture has been redesigned in loosely coupled components compliant with the SOA paradigm. The new user interface provides all the characteristics of a web 2.0 rich internet application by leveraging the Ajax technology. Unique and innovative functionalities have been added to the platform : GEO engine, collaboration, metadata, subscription, personal folders.</p> <p>The Spagic project is now able to provide new ways for user interaction, manual and</p>

	automatic event handling and digital signature. To follow the market needs it's now possible to interact with commercial solutions and mobile devices. Furthermore, other standards have been adopted.
<i>Title 12</i>	Effective SOA + GRIDs with ProActive Parallel Suite
<i>Speaker 12</i>	Denis Caromel, ActiveEon, INRIA-UNSA-CNRS
<i>Abstract 12</i>	<p>ProActive (http://proactive.inria.fr/) is a GRID Java library for Parallel, Distributed, and Multi-core computing (Open Source in OW2 Consortium).</p> <p>ProActive Parallel Suite features:</p> <ul style="list-style-type: none"> • Debugging: an Eclipse GUI for Developing, Debugging, Optimizing, • Programming: a Java Parallel set of frameworks -- Enterprise-ready Java Grid, • Scheduling: a Scheduler with Resource acquisition and Virtualization. <p>This talk will focus on on-going work, together with partners such as HP and Oracle, in order to bring together SOA and Grid. We will explain how one can use Grid technology in the enterprise in order to dynamically schedule Jobs and Tasks coming out of standard workflows. ProActive has executed applications over several thousands of nodes!</p> <p>The presentation will include attractive GUI demonstrations.</p>
<i>Title 13</i>	SOA and 100 Million Messages Per Day: Federated ESB For Cross-Boundaries Integration
<i>Speaker 13</i>	Adrien Louis, EBM WebSourcing, Chief Architect
<i>Abstract 13</i>	<p>EBM WebSourcing is one of the SOA Open Source providers focusing on solutions for extended business, virtual enterprise and network computing. With its flagship product PEtALS, the Enterprise Service Bus (ESB) hosted by OW2 community, users successfully manage the routing of 100 millions a day over applications/servers distributed nationwide.</p> <p>This presentation covers a general approach to create a large and scalable services backbone. It especially emphasizes on the following:</p> <ul style="list-style-type: none"> • Standard pluggable ESB with JBI for exposition of service run by heterogeneous technology • Large scale publication of services with strategies of replication for ESB JNDI registry • Federation of local ESB: cross boundary integration with P2P messaging • High availability of messages delivery with no Single Point Of Failure architectures • Challenges of managing thousand of services <p>At the end of the session, the audience will have an understanding of how to build a large-scale SOA federated infrastructure when the ESB become the service backbone of wide information systems.</p>
<i>Title 14</i>	SOA Standards In Java: The Best Of Both World Java™ Business Integration And Service Component Architecture
<i>Speaker 14</i>	Gaël Blondelle, CTO EBM WebSourcing, Chairman OW2 Technology Council
<i>Abstract 14</i>	<p>The battle rages for a while between JBI and SCA supporters. But the fact is that the two standards don't deal with the same issues. JBI Specifies a container model for the deployment of integration components, and the description of interactions between them. It is all about connecting new protocols, routing, transforming, and orchestrating services in a loosely coupled manner. SCA, on the other hand, wants to make SOA development easier by providing an simple way to create composite applications.</p> <p>This talk presents the most important concepts of these technologies and then focuses on how JBI and SCA can work together and supplement each other. The session discusses how the intrinsic loosely coupled approach of JBI architectures can benefits to SCA composite applications.</p> <p>To show how JBI and SCA can be integrated, the session includes demos, using</p>

	<p>PEtALS (the OW2 community JBI compliant implementation) and Frascati a brand new SCA implementation.</p> <p>The presentation will refresh your knowledge about JBI and SCA and give you in depth knowledge of how you can leverage both open standards.</p>
<i>Title 15</i>	Enterprise-Level SOA With Governance
<i>Speaker 15</i>	Olivier Fabre, EBM WebSourcing, Research Engineer
<i>Abstract 15</i>	<p>As a developer or designer of enterprise business applications that comply with service oriented architectures (SOA) principles, you need to know what data and functionality are exposed by existing applications, and to advertise what services your application publishes to the Information System. Such type of shared knowledge is the key to enterprise wide SOA success as it enables reusability and flexibility by the creation of value added services from existing services.</p> <p>A new OW2 open source project, DRAGON, enables enterprise SOA governance, to manage consistency, standards compliance and harmonization of semantics and QoS description. It enables enterprise services inventory in its Services Repository and provides the means to design, store and manage all enterprise services and their whole lifecycle from planning to retirement.</p> <p>This talk presents a governance metamodel which leverages CBDI to implement a full feature SOA governance stack dealing with:</p> <ul style="list-style-type: none"> • Service description and cataloging • Enterprise organisation and the impact on SOA governance according to Roles and Responsibilities • Service Level Agreements, Quality of Service metadata and other policy setting • Semantic description of Business • Service LifeCycle management from planning • Link to SOA runtime (typically an ESB) for service inventory, service deployment, and policy enforcement. • Dashboards about policy compliance <p>To show how SOA governance and ESB infrastructure can align IT with business, we will demonstrate with DRAGON and PETALS the benefits of governance enforcement tools at an Enterprise Level SOA.</p>
<i>Title 16</i>	AJAX & Java development : “Make it simple!”
<i>Speaker 16</i>	Laurent Guérin, Sogeti, Telosys project leader
<i>Abstract 16</i>	<p>This talk aims to show how to develop quickly an AJAX web application from scratch using an “all in one” Java framework and its associated tools.</p> <p>Between full client server and classical web apps, the Telosys framework, associated with Eclipse plugins for code generation, offers a new approach to build AJAX applications.</p> <p>Based on standard and light technologies (http, POX, servlet/JSP, taglib, JDBC) the architecture offers an other way of coding.</p> <p>Keep using Java-Javascript-SQL to develop efficiently screen oriented web applications (no other language to learn).</p> <p>The Java platform can be light and efficient, Telosys just apply some well known principles : Convention over Configuration (CoC) , Don't repeat yourself (DRY), Model Driven Development (MDD), etc.</p> <p>In a nutshell: a new way of coding with classical technologies.</p>

<i>Title 17</i>	Wiki 2.0 : building applications right into your wiki
<i>Speaker 17</i>	Vincent Massol, CTO, Xwiki
<i>Abstract 17</i>	<p>Wikis have proven themselves as the collaboration tool of choice for developers in a wide range of enterprises and open-source projects. However, their content is often limited to unstructured data (basically, text and images on a webpage). On the other hand, traditional CMS systems often provide too much content structuration, leaving no room for some kinds of content. Applications Wikis offer a powerful alternative to both of them.</p> <p>In this talk, Vincent will show how Application Wikis can be used to build small applications (such as a FAQ or a product catalog) in no time. He will make a live demo of how such an application can be created in minutes right in front of the public, taking advantage of javascripting languages such as Velocity & Groovy used on top of the java-based XWiki Open-Source wiki platform.</p>
<i>Title 18</i>	Open Source Business Intelligence, Geospatial, Data Quality and Data Integration platforms
<i>Speaker 18</i>	Cédric Carbone, CTO Talend, OW2 Board Member)
<i>Abstract 18</i>	<p>This presentation will position the different Java open source components and show the benefits that these components are bringing compared to in-house development of the same features in Java. A special focus will be applied to the aspects related to data quality, data integration and reporting.</p> <p>A demonstration of the following products: JasperReport (JasperSoft), Birt (Eclipse), Mondrian (Mondrian), SpagoBI (Engineering Ingegneria Informatica), Spatial Data Integrator (CampToCamp) and Talend Open Studio (Talend) will illustrate this session and help to understand the complementarities of these components. An explanation will also be provided of how to integrate these products directly with Java code and via Web Services (in a SOA architecture).</p> <p>This presentation will also detail the work performed by OW2 Consortium BI Initiative.</p>
<i>Title 19</i>	(Re)discovering authorization APIs and LDAP model binding
<i>Speaker 19</i>	Sebastien Bahloul, Linagora, FederID team member
<i>Abstract 19</i>	<p>Because lots of authentication and authorization frameworks are available, the choice for a good API is becoming more difficult. But the paradigm of authorization model can not lead to anything else than software developer headaches!</p> <p>After a brief look at the open source available API and implemented models, we will take a look at some new ways of working with authorization API in order to make different models available in the same software. And finally, I will present some new ideas to manage loosely coupled LDAP bindings, in a new directory query language: LQL.</p>
<i>Title 20</i>	"The Process Virtual Machine", a revolutionary technology for BPM
<i>Speaker 20</i>	Miguel Valdes Faura, Bull, BPM Manager
<i>Abstract 20</i>	<p>There are multiple process languages for BPM and Workflow out there. Up to now, the main focus was to build 'the best' process language. There is no sign yet that process languages are converging to each other in some way or another. So the new thing about Process Virtual Machine is the idea that different environments are best served with dedicated process languages</p> <p>This talk will show how both business analysts and developers can benefit from workflow, Business Process Management (BPM), and orchestration. We'll explain the core essence of workflow engines in simple terms, and how this can be leveraged in a Java environment. We will also introduce a revolutionary open source technology called The Process Virtual Machine.</p> <p>The Process Virtual Machine defines a generic process engine enablingsupport for</p>

multiple process languages (such BPEL, XPDL, JPD...). On top of that, it leads to a pluggable and embeddable design of process engines that gives more modeling freedom to the business analyst. Additionally, it enables the developer to leverage process technology embedded in a Java application.

The Process Virtual Machine the result of a collaboration between the leading open source communities, Red Hat (with JBoss jBPM) and Bull (with Bonita and Orchestra).

Title 21 **Growing A Real-World Open Source Business Ecosystem**

Speaker 21 Cedric Thomas, CEO OW2 Consortium

Abstract 21 As the world of Java increasingly embraces open source, developers and project leaders face new industry and management strategies which frequently include a growing reliance upon third-party resources. In this context, developers hear managers and marketeers using the words "business ecosystems" so often that the concept has quickly grown to become a catch-all term which has come to lose most of its meaning.

Yet, the concept of the business ecosystem - derived from a biological metaphor - is useful to identify the kind of disruptive industry structure that is brought forward by open source software development patterns and which open source organizations are attempting to harness. For example, the OW2 Consortium is consciously implementing a business ecosystem strategy focused on open source middleware.

This presentation bridges theory and hands-on experience and unique insights drawn from several years of managing and developing a global open source software community and business ecosystem to explore and answer the following questions:

- What exactly is a business ecosystem?
- What are the specifics of an open source business ecosystem?
- How does OW2 drive its own business ecosystem?
- What are the key lessons learned so far?

Whether they intend to leverage an existing business ecosystem or develop their own, attendees will go away from the presentation with a clear framework and a real understanding of the key mechanisms behind an open source software business ecosystem.