FRANCE TELECOM–ORANGE TRUSTS OW2 MIDDLEWARE FROM DEVELOPMENT TO PRODUCTION

Key Words:
- ☐ JavaEE
- ☐ Development
- ☐ Cloud

Organization
Orange

Market
Telecom

Status
Corporation

Country
Global

Mission
Provide IT for its internal use and for customer services

Objective
Manage an industrial quality IT stack with open source alternatives

OW2 Projects
JOnAS, JORAM, JASMINe

OW2 Members
Bull, France Telecom Orange, ScalAgent Distributed Technologies

France Telecom-Orange deploys OW2 JOnAS and OW2 JORAM for its mission-critical business apps.

France Telecom-Orange

France Telecom-Orange is one of the world's leading telecommunications operators with 172,000 employees worldwide, and sales of 45.3 billion euros in 2011. Present in 35 countries, the Group had a customer base of 226 million customers at 31 December 2011, including 147 million customers under the Orange brand, the Group's single brand for internet, television and mobile services in the majority of countries where the company operates.

Orange is one of the main European operators for mobile and broadband internet services and, under the brand Orange Business Services, is one of the world leaders in providing telecommunication services to multinational companies.

The Need for Performance-Driven, Reliable Middleware

Technically, France Telecom-Orange needs to ensure that the middleware stack used in its platforms and services is performance-driven, efficient and cost effective.

Using JavaEE technologies to develop its applications, France Telecom-Orange has developed a set of architecture frameworks and a methodology to ensure that its middleware stack meets its business and technical needs.

France Telecom-Orange expects the following:
- ☐ Control the middleware stack used in its business applications;
- ☐ Guarantee quality and interoperability of the stack;
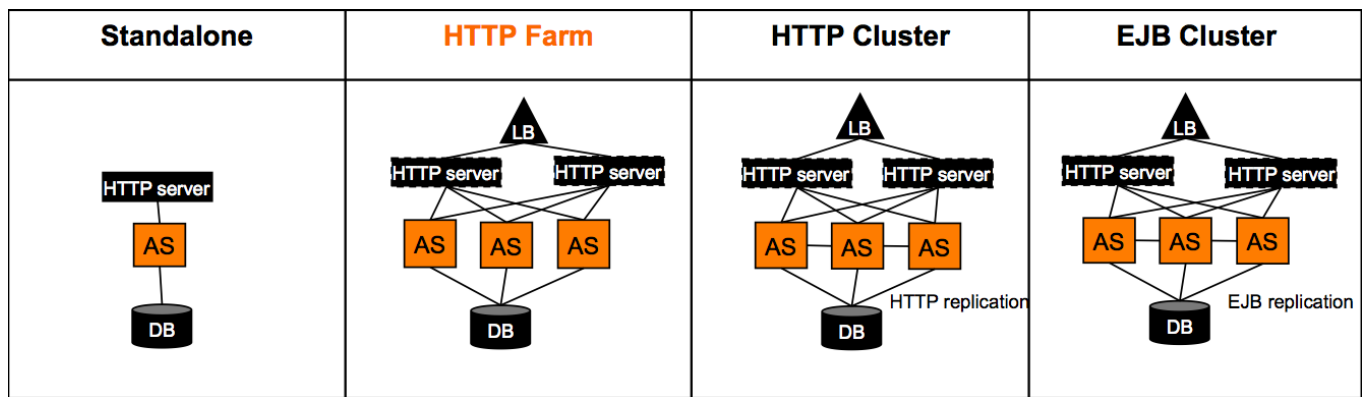- ☐ Reduce investment and optimize ROI.

Ladji Doucouré
Orange Sports

France Telecom-Orange implements its stack with OW2-based middleware

Introduced in 2003, JOnAS is used for information systems applications and services platforms for external customers at all their criticality levels. JOnAS 5.2, the currently recommended version, is the only application server used for development since 2006—and the number 1 choice for the production platforms. In-house IT supports the migration from other proprietary AS to JOnAS, resulting in positive feedback from project leaders.

JOnAS is the core component for Java-based infrastructure applications and for development and production resources delivered by France Telecom-Orange IT. The France Telecom-Orange Java development environment contains JOnAS (embedding JORAM), and can be used in a number of configurations, including DOS JOnAS scripts, JOPE (JOnAS Plugin for Eclipse), remote deployment with Cargo, and remote debugging. Several project templates are proposed for using JOnAS.

The software stack industrialized by in-house IT includes OW2 JOnAS and OW2 JORAM for JavaEE, OW2 JASMINe for deployment and monitoring, and can be used in a number of possible architectures. In addition to being co-located with JOnAS, JORAM is packaged in an asynchronous Orange bus with the JORAM AMQP broker, providing interoperability, high availability, scalability and elasticity.

Standalone	HTTP Farm	HTTP Cluster	EJB Cluster
HTTP server / AS / DB	LB / HTTP server HTTP server / AS AS AS / DB	LB / HTTP server HTTP server / AS AS AS / DB — HTTP replication	LB / HTTP server HTTP server / AS AS AS / DB — EJB replication

Key Benefits

Stanley Biwott
Orange Sports

Offering a range of assets, JOnAS and JORAM enable France Telecom-Orange to:

☐ Provide an open source alternative to commercial JavaEE and MOM products;

☐ Guarantee interoperability, performance, scalability and elasticity;

☐ Influence the development of these products if needed;

☐ Reduce costs thanks to the LGPL licence and associated support contracts;

☐ Deploy hundreds of operational applications.

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About JOnAS and JORAM OW2 projects

☐ JOnAS is a leading edge Open Source OSGi™ Enterprise Server, and is JavaEE 5 certified.

☐ JORAM is a JMS certified MOM, also implementing the AMQP specification.

For more information
JOnAS: jonas.ow2.org,
JORAM: joram.ow2.org

About OW2 OW2 is an independent industry consortium dedicated to developing open source code infrastructure (middleware and generic applications) and to fostering a vibrant community and business ecosystem. OW2 federates some one hundred organizations and 6000 IT Professionals in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including ASM, Bonita, eXo Platform, JOnAS, JORAM, Orbeon Forms, Orchestra, Petals ESB, Spagic, SpagoBI and XWiki. Several of these projects are combined into market-driven Initiatives, such as the OSCi Open Source Cloudware Initiative and the Business Intelligence Initiative, which facilitate their implementations into business solutions by systems integrators, OEMs and end-users. OW2 is an open source dissemination partner in a number of collaborative projects, such as CHOReOS, CompatibleOne, OpenCloudware and XLcloud. Visit www.ow2.org.