

ORCHESTRA

THE OPEN SOURCE ORCHESTRATION PROJECT

<http://orchestra.ow2.org>



Orchestra is a SOA Orchestration solution for handling long-running, service oriented processes. It provides out of the box orchestration functionalities to handle complex business processes.

- BPEL standard 2.0 (OASIS)
- LGPL License
- Java SE™ vs Java EE™
- Professional support : Bull

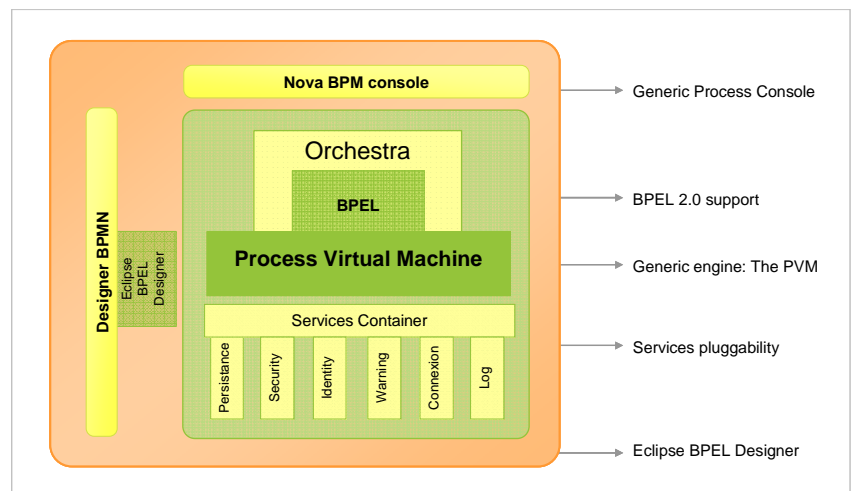
ORCHESTRA V.4

Orchestra has an innovative architecture:

- Generic engine : The Process Virtual Machine
- BPEL 2.0 support
- Web 2.0 based process console
- Graphical BPEL designer

Objectives:

- Improvement and control of processes
 - Services interaction
- ⇒ Productivity and agility of the company



Orchestra V.4

THE ORCHESTRA BENEFITS

- Only fully open source BPEL solution of the market (all included engine, administration console, designer and monitoring tool)
- Orchestra is more efficient: adaptation to the customer’s context, versioning management, restart capabilities, JMX based Administration API...
- The graphical environment of the Bonita Workflow is fully Web 2.0 based
- Non intrusive integration :
 - Lightweight version: deployable on any existing application: Tomcat, Swing applications...
 - Enterprise version: deployable on any Java EE server (JOnAS, Jboss, Weblogic...)
 - “Sur mesure” version : adapted to any particular customer’s environment
- On the road to SOA: a BPEL solution in a SOA is the master piece to handle services interaction in a complex and heterogeneous environment. Orchestra is a stable and robust solution for your SOA infrastructure.
- Out of the box integration with Bonita open source project for a integrated BPM solution adding support for both XPD and BPEL standards

THE PROCESS VIRTUAL MACHINE: THE NEW GENERIC ENGINE OF ORCHESTRA

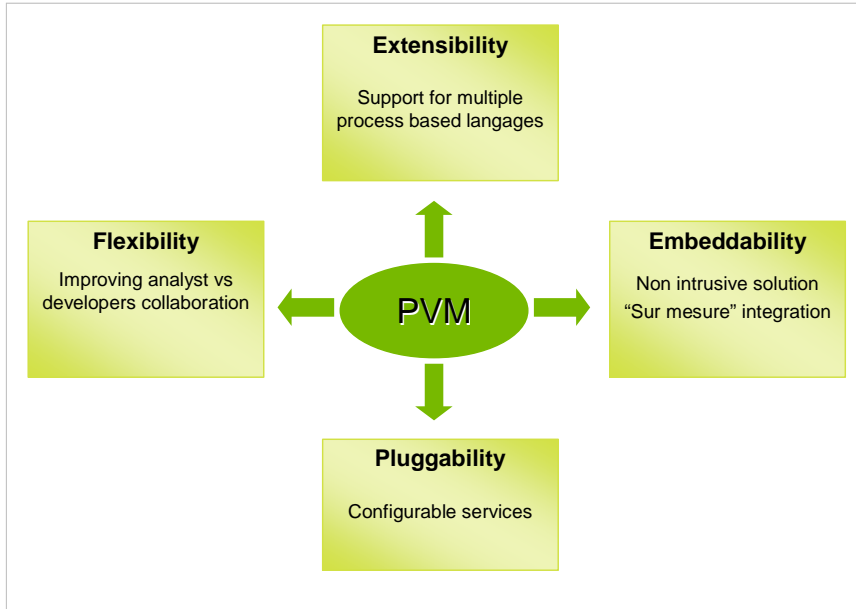
The Process Virtual Machine (PVM) is a revolutionary technology for processes based applications. As a default implementation, Bull and Jboss have delivered a generic process engine which allows to build on top embeddable, pluggable and extensible workflow and BPM solutions:

KEY FEATURES OF ORCHESTRA

- Generic engine :
The Process Virtual Machine
- BPEL 2.0 standard
- Web 2.0 based console
- Graphical BPEL designer
- Integration with the Petals ESB
- JSE vs JEE deployment
- JMX based administration APIs
- BI and BAM capabilities
- Professional support

Download Orchestra at :

<http://orchestra.ow2.org>



The Process Virtual Machine

Thanks to the Process Virtual Machine, Orchestra v4 and Bonita v4 (The XPDL open source project) are sharing the same underlying technology. XPDL and BPEL processes are natively supported on top of the PVM.

QUALITY OF SERVICE

About the project

Created in 2004 : experience and professionalism of the R&D team

Professional project: many customers through the world (customers sheets on the OW2 web site)

OW2 's innovation

The OW2 consortium is an international open source community which includes R&D teams, industrial partnerships and research organizations, bringing permanent innovations and quick time to market

Professional support : Bull (<http://www.bull.com>)

- 110 service points, numerous agencies and partnerships through the USA, Canada, South and Central America, Western and Eastern Europe, Asia and Africa.
- A multi-lingual integrated support center and three international technical support centres.
- HA (High Availability) center delivering 24/7 direct support to critical environments.
- European Logistics Centre, 24/7
- Professional Level 3 support directly provided by the Bonita R&D team
- Professional services around Bonita world wide: support, training, application development...



OW2

OW2 Consortium
21 rue de Madrid
75 008 Paris, FRANCE
www.ow2.org
contact@ow2.org

About OW2:

Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Bonita, Sync4j, eXo Platform, Orchestra, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users through Local Chapters. [More information about OW2 is available at http://www.ow2.org.](http://www.ow2.org)

