

TECHNICAL SERVICES

Java EE 5 certified services

The main components are :

- Tomcat 6 / Jetty 6
- Apache CXF / Apache Axis2
- Easybeans EJB3 container
- Hibernate / EclipseLink / OpenJPA persistent managers
- JORAM 5

Java EE 6 preview

- Servlet 3.0 (Tomcat 7)
- CDI (Weld)
- Jax-RS (Jersey)
- Bean-Validator

Enterprise OSGi preview

- HTTP Service
- JNDI Service

Application builder to transform Java EE modules into jar file with 3 interfaces supported : maven plugin, Java client, web console.

Unique Reliable Asynchronous Web Service Solution, Apache CXF based with optimised Message Driven Bean transport. Transaction support for total reliability without any message loss or duplication.

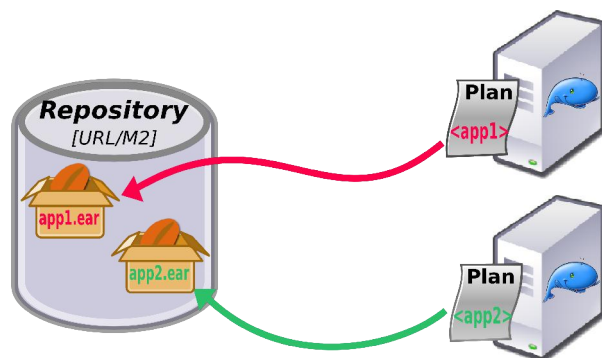
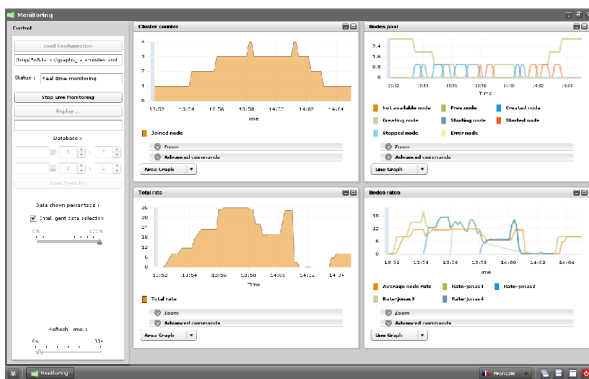
OPERATIONAL TOOLS

Advanced versioning support at the application level for transparent application upgrade without any service interruption.

OSGi shell in the web console or in the command interface to manage the life cycle of your native OSGi applications.

Performance diagnostics and benching (online/offline). Error detection (alarm generation) using JMX probes, complex event processing and rules engine, web consoles.

Deployment tooling for automation: remote deployment support from centralized repository (maven, url, OSGi bundle repository), sophisticated and centralized deployment orchestrator.



DIAGNOSTIC TOOLS

Thread Dump and Mbeans explorer tools (as an alternative to the JVM tools).

Audit system to detect performance bottlenecks in the application and associated components.

Classloader analyser to solve library conflict issues between the application and / or the application server.

JDBC connection leaks detector and recovery to circumvent and prevent common issues of Java Enterprise Edition applications.



Bull Open Energy Offer : a professional and comprehensive approach to Open Source services including support, migration, integration and development.
See <http://www.bull.com/communities/opensource.html>

- Bull
- France Telecom / Orange Labs
- Peking University
- INRIA

- Université Joseph Fourier de Grenoble
- Unifor
- Serli
- and many other contributors

