

Paremus announces acceptance and migration of Sigil, open source OSGi development tooling project, to Apache Felix.

The Sigil project is currently available as a unified IDE (Eclipse) and Server Side (Apache Ant/Ivy) development tool as a subproject of Apache Felix.

London, UK, 16th September, 2009 – Paremus, today announced the acceptance and migration of the Sigil open source OSGi™ development tooling project to Apache Felix. Sigil provides the first OSGi application development tooling that unifies the IDE and server side development lifecycle, simplifying and ensuring consistency through the development, test and release process. The tool is currently available as an Eclipse IDE plugin and Apache Ant/Ivy plugin as a subproject of Apache Felix (<http://felix.apache.org/site/apache-felix-sigil.html>).

“Paremus invested in building the Sigil OSGi development tooling project to simplify the development, dependency management, testing, release and operational processes associated with successfully realizing the full potential of componentization and re-use using OSGi™ technology.” commented Richard Nicholson, Founder and CEO of Paremus. Sigil provides sophisticated bundle dependency management tools and access to external bundle repositories through a pluggable API.

“Sigil is the result of our own and customer experiences of developing OSGi-based applications,” said David Savage, Sigil project co-lead. “We are using Sigil to develop and build our distributed runtime product, the Paremus Service Fabric, and wanted to make its unique capabilities available to the wider OSGi community. We will continue to enhance the capabilities and look forward to input, feedback and contributions from the Apache community to extend Sigil’s capabilities. Specific areas we’ll be working on in the Apache forum in the near future include runtime support for testing OSGi applications in the Eclipse IDE environment. We will also be looking to grow support for other IDE’s (Netbeans & IntelliJ) and other build frameworks including Maven 3, along with enhancing the features and functionality.”

Sigil uses OSGi metadata to calculate project dependencies dynamically, at build time, using the same metadata that is used by OSGi at runtime. This allows Sigil to wire together existing bundles in the file system or from an OSGi Bundle Repository (OBR) to resolve completion dependencies.

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With headless build support as well as integrated Eclipse support, Sigil uses the same simple properties file to define bundles in the IDE and stand-alone. This ensures that bundles created by either the IDE or headless builds are identical. The Sigil headless build supports Apache Ivy with seamless integration into existing Ivy builds, and automatic injection of Ivy dependences by resolving the Import-Package metadata.

“We are pleased to welcome Sigil as a subproject of Apache Felix. This provides an exciting tool to build upon for developers within our ever growing ecosystem of OSGi capabilities.” commented Richard Hall, Chair of the Apache Felix project.

The source for Sigil is available immediately, instructions for building and testing it can be found at <http://felix.apache.org/site/apache-felix-sigil.html>. Anyone interested in getting involved with the project should contact the Apache Felix user mailing list at users@felix.apache.org.

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About Paremus

Paremus is a market leader in delivering a next generation runtime, the Paremus Service Fabric, for service oriented applications to run across a Cloud Computing environment. The first in a new era of standards-based, adaptive, dynamic, model driven application runtimes the Service Fabric provides significant cost savings, enhanced agility, enhanced service availability, improved resource utilization, and increased environmental and operational efficiency.

Identified by Gartner as a Visionary in the Enterprise Application Server marketplace, the Paremus Service Fabric leads the way in offering a distributed runtime that leverages the OSGi™ and Service Component Architecture standards that are now being adopted by the Java Application Server industry. Offering a unique approach to application provisioning, management and removal, while simultaneously making it easy to add scalability and resilience, the Paremus Service Fabric allows architects and developers to concentrate on delivering business requirements and application functionality, and the business to benefit from automatic resource optimization that dramatically reduces operating costs.

The Service Fabric can be used for a single application on a cluster of machines through to multiple applications across the entire data center, dynamically moving resources between applications and services according to real-time business demands, pre-defined SLA's and Cloud Computing resource availability.

About Apache Felix

Felix is a community effort, part of the Apache Software Foundation, to implement the OSGi R4 Service Platform, which includes the OSGi framework and standard services, as well as providing and supporting other interesting OSGi-related technologies. The ultimate goal is to provide a completely compliant implementation of the OSGi framework and standard services and to support a community around this technology. Felix currently implements a large portion of the OSGi release 4 specification,

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but additional work is necessary for full compliance. Despite this fact, the OSGi framework functionality provided by Felix is very stable.

OSGi technology originally targeted embedded devices and home services gateways, but it is ideally suited for any project that is interested in principles of modularity, component-oriented, and/or service-orientation. OSGi technology combines aspects of these aforementioned principles to define a dynamic service deployment framework that is amenable to remote management. As an example of a simple use case, Felix can be easily embedded into other projects and used as a plugin or dynamic extension mechanism; it serves this purpose more efficiently than other systems that are used for similar purposes, such as Java Management Extensions (JMX).

Related links

The Sigil Project – <http://felix.apache.org/site/apache-felix-sigil.html>

Paremus Service Fabric – www.paremus.com

Apache Felix - <http://felix.apache.org>

The OSGi Alliance – www.osgi.org

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