

Next Evolution of OSGi for Android

ProSyst releases first fully integrated version of its carrier grade OSGi implementation for the Android platform. Comes with full OSGi 4.1 support, remote management, web widget support and more.

Cologne, Germany (June 22, 2009) – ProSyst Software [» www.prosyst.com](http://www.prosyst.com), an OSGi pioneer, today released the first fully integrated and certified OSGi implementation for the Android 1.5 platform. The solution is based on the first carrier grade Mobile OSGi implementation called ProSyst mBedded Server Professional Edition 6.2 and mBedded Server Mobile Extension 6.2. All Android 1.5 compliant devices are supported, including T-Mobile G1 (with 1.5 firmware upgrade), HTC Magic, Google Developer Phone and the Google Android SDK.

With this releases ProSyst addresses various market needs:

Corporate enterprises get a fully integrated, standards based mobile device management agent allowing management operations like push-deployment of native Android applications & OSGi contents, remote diagnostics, configuration, application management, etc.

Developers get a cross OS and cross market runtime platform for middleware, services and applications. This enables leveraging the vast amount of existing Java software, knowhow and resources. Developers also get to develop true web based applications (W3C Widgets), an innovation Android does not feature by itself.

With OSGi *Wireless Carriers* get a service and application delivery platform that runs pervasively on most major smartphone, netbook and network equipment systems including Android. The ubiquity of OSGi provide wider reach and shorter times to market for value adding carrier services.

The ProSyst OSGi solution for Android comes with the following technical features:

- Compliant to specifications OSGi Core 4.1 and OSGi Mobile 4.0 (JSR 232)
- Java Security Enabled
- Support for w3c & Opera based Web Widgets
 - Web widgets run in WebKit Browser based viewer
 - Installation and security verification executed through OSGi
- Server in Your Pocket & RMA (Rich MobileNet Application)
 - Local webserver functionality
 - Automated translation of OSGi services into local JSON based web services (provides Web Widgets access to platform capabilities)
 - JavaScript Convenience Library for finding, binding and using OSGi services within the browser
- Integration of Android Intents with OSGi Event Admin (bi-directional exchange of events/intends)
- Access to OSGi Services through Android IDL (enables Android developers to leverage OSGi services)
- Access to Android APIs from within OSGi
- OSGi runtime lifecycle management: User can select different OSGi runtime modes (Always On, Always Off, On if OSGi content installed).
- Content Management User Interface
 - Listing OSGi content packages
 - Installing content from SDCard
 - Uninstallation of content
- Installation of OSGi Content through WebKit Browser
- Full mobile device management support
 - OMA-DM 1.2 based remote management interface
 - All OSGi defined Management Objects: Logging, Configuration, Applications, Monitoring, Policy
 - Software Component Management Object (SCOMO): Remote management of Android APK packages ¹, OSGi Bundles, OSGi Deployment Packages, Widgets (push-install, update, uninstall)

ProSyst continues to extend the functionality, i.e. support for remote Lock&Wipe, integration with visual OSGi development tools in the Eclipse IDE, OSGi services that encapsulate platform features, etc.

¹ Requires OSGi stack to be signed by device manufacturer

About ProSyst

ProSyst is an OSGi and Java pioneer. The company is entirely focused on open standards technology and was most actively involved in helping to create the OSGi specification R1 - R4.

ProSyst offers products and services for all vertical markets that use OSGi technology, such as Mobile Devices, Smart Home, Automotive Telematics, Enterprise and Industrial Applications.

ProSyst brings together recognized OSGi and Java experts, professional processes and the ability to meet the technical requirements of commercial OSGi adopters. ProSyst provides a complete range of products and services from fundamental technology development, production and developer support, training and mentoring to device runtimes and remote management/ provisioning solutions.

The company was founded in 1997. Headquartered in Cologne, Germany ProSyst operates additional offices in Sofia, Bulgaria and Seoul, Korea. ProSyst is a privately held company and employs 120+ Java/OSGi engineers.

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