Background

Founded in 1999
Proven, Mature Software Architecture
Transparent Development Process
Strategic Partnerships/Collaboration

Global Ecosystem
Best Practices
Industry & End User Adoption
Alliance Members
Include.....
What is OSGi?
Modularity and Services

Modular Software architecture
- Execution environment, APIs, device abstraction
- Application development framework
- Common architecture is applicable to Cloud, Enterprise, M2M & IoT architecture
- Can run locally on one device, all the way through to distributed across 1,000’s of servers

Dynamic Service lifecycle enables:
- True 24/7 remote maintenance
- Remote software updates
- Aftermarket sales of upgrades and extensions

Portable and re-usable software modules enable
- Faster time-to-market
- Increased agility and reduced development effort and project risk
- Reduction in maintenance costs
- Ecosystem-based solutions

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Decreases development and maintenance costs

Reduces Time to Market

Enables Agility and Continuous Release
Modular Systems are Maintainable Systems

Why Adopt OSGi?

Maintainable Systems

Reduced Costs and Happy Customers

Anne Thomas Manes (Gartner) – SOA Symposium: Berlin, October 2010
Cloud PaaS & SaaS
https://github.com/osgi/design/tree/master/rfcs/rfc0183
https://www.osgi.org/bugzilla/attachment.cgi?id=46

OSGi IoT EG

Device abstraction
https://github.com/osgi/design/tree/master/rfcs/rfc0196

enRoute
https://github.com/osgi/osgi.enroute.blog

Annual OSGi Community Event
https://www.osgi.org/2015-osgi-community-event/

OSGi IoT Demo
https://www.osgi.org/community/osgi-iot-demo/

Embedded & Set Top Box Roots
The OSGi Internet of Things Expert Group (IOTEG) is chartered to define the technical requirements and specifications to tailor and extend the set of OSGi Specifications to address information technology software infrastructure in Internet of Things scenarios.

The IOTEG areas of concern include:
• To support application developers in the creation of IoT services
• Where embedded and cloud environments intersect with endpoint devices
• Data processing and management in IoT gateways and the cloud
• Cross-industry and cross-protocol device connectivity on level of actors/sensors and IoT gateways
• Support the development and deployment of OSGi device abstraction layer and endpoint ontologies
• The virtualization of IoT services
• Connectivity to the cloud for endpoint devices and interoperation with existing management systems and protocols
• Enable and enforce end-to-end IoT security
Contact us

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