What Java Developers Tell Us

• “Java [alone] does not make it easy to do modular development, i.e., classpath JAR hell”

• “I need to offer new products and services while driving down my IT operating costs”

• “I want to make it easy for my developers to do what is right, and make it difficult for them to do what is wrong”
Why use OSGi to build operator applications today?

- Sized “Just Right”
- Fully Dynamic / Hot Pluggable
- Mature
Benefits from building your own apps with OSGi

- Reduced Footprint
  - Reduced footprint leads to improved IT efficiency
    - Reduce operating costs
    - Control product usage
  - Pre OSGi products
    - One-size-fits-all products
    - Add functionality to monolithic stack
  - OSGi based products
    - Tailored module sets to target

- One platform fits all applications
  - Abstraction of communication protocols

- problem at hand
  - Remove unused functionality
  - Package only needed functionality
  - Deploy only required services
  - Start/stop services on demand

• Reduced Footprint
Benefits from building your own apps with OSGi

- Improved Extensibility
  - Controlled environment for adding modules
    - Class-loading model protects private resources
    - Replaces single class-path model or proprietary solutions
    - Built-in versioning
    - Run multiple versions of module in same application
    - Service registry to control dynamic interactions among modules
  - Simplifies and standardizes third-party module integration
  - More predictable interactions between modules via service registry
Benefits from building your own apps with OSGi

- Improved Serviceability and Availability
  - Dynamic module management
    - Install, start, stop, update and uninstall bundles
    - Extensive dependency management
    - Fully integrated with security architecture
  - Enables zero downtime patch/upgrade
  - Add functionality on demand
  - Remove services that are no longer needed
Benefits from building your own apps with OSGi

- The OSGi Alliance has issued 5 major releases of its set of Service Platform specifications in 10 years, and has become the de facto choice for building modular Java software.
- OSGi based dynamic modularity is the basis of all Eclipse software components, and is incorporated in hundreds of software products shipping today.
- The growing OSGi ecosystem spans software and chip vendors, device manufacturers and services providers.
  - NTT and AT&T Digital Life.
Conclusion
OSGi Delivers:

- Applications and infrastructure that are always fit-for-purpose without excess
- More than 10 years of maturation of one of the first true SOA technologies in the market
- The 7/24 capabilities that can be provided by the industry’s only standardized fully dynamic / hot-pluggable component system
- A growing ecosystem to extend service providers’ business
  - Potential partners and customers including white good and CE manufacturers, utility providers and app developers
  - New value-added services on existing infrastructure via OSGi chips, gateways, computers, routers, etc.
Getting Started with OSGi

- About OSGi Alliance and its technology [http://www.osgi.org/Technology/WhyOSGi](http://www.osgi.org/Technology/WhyOSGi)
- Learn more about OSGi technology now [http://www.osgi.org/Technology/HowOSGi](http://www.osgi.org/Technology/HowOSGi)
- And the people driving the revolution [http://www.osgi.org/WG/HomePage](http://www.osgi.org/WG/HomePage)
Contact us

OSGi Alliance
Bishop Ranch 6
2400 Camino Ramon, Suite 375
San Ramon, CA 94583 USA

Phone: +1 (925) 275-6690
Fax: +1 (925) 275 6691

Email: help@osgi.org
Online: www.osgi.org
Twitter: @OSGiAlliance

OSGi is a trademark or registered trademark of the OSGi Alliance in the United States, other countries, or both. Java and all Java based trademarks and logos are trademarks of the Oracle Corporation in the United States, other countries, or both. All other product or service names are the property of their respective owners.