State of the OSGi Alliance

John R. Barr, Ph.D.
President, OSGi Alliance
Director, Standards Realization, Motorola
Agenda

• OSGi Alliance – Its Members and Its Work
• What Does OSGi Technology Deliver
• Delivering Value Now
• Where We Go From Here
• How You Can Contribute
The OSGi Alliance is an open forum.
Our mission is to specify, create, advance, and promote an open service platform for the delivery and management of multiple applications and services to all types of networked devices in home, vehicle, mobile and other environments.
The OSGi Alliance serves as the focal point for a collaborative ecosystem of service provider, technology, industrial, consumer and automotive electronics communities.
As an independent non-profit corporation, the OSGi Alliance also provides for the fair and uniform creation and distribution of relevant intellectual property - including specifications, reference implementations, and test suites - to all its members.
The OSGi Alliance Members

- **Members:**
Member Geographical Distribution

- Asia / Pacific: 26.8%
- Europe / Middle East / Africa: 29.3%
- North / South America: 43.9%
### 2004 – 2005 Board of Directors

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>DIRECTOR</th>
<th>ALTERNATES</th>
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</thead>
<tbody>
<tr>
<td>BMW</td>
<td>Hans-Ulrich Michel</td>
<td>Hans-Jörg Vögel</td>
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<tr>
<td>Deutsche Telekom</td>
<td>Hans-Werner Bitzer</td>
<td>Andreas Kraft</td>
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<tr>
<td>Echelon</td>
<td>Jeff Lund</td>
<td>Mark Ossel / Damian Inglin</td>
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<tr>
<td>IBM</td>
<td>Dan Bandera</td>
<td>BJ Hargrave / Peter Gaucher</td>
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<tr>
<td>Motorola</td>
<td>John Barr</td>
<td>Vincent Izzo / Mark Hansen</td>
</tr>
<tr>
<td>Nokia</td>
<td>Jon Bostrom</td>
<td>Severi Eerola / Kimmo Loytana</td>
</tr>
<tr>
<td>NTT</td>
<td>Ryutaro Kawamura</td>
<td>Nobuo Fujii / Hiroyuki Maeomichi</td>
</tr>
<tr>
<td>Philips</td>
<td>Daniel Meirsman</td>
<td>Dirk Engelen / Chris Maund</td>
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<tr>
<td>ProSyst</td>
<td>Susan Schwarze</td>
<td>Kai Hackbarth / Dimitar Valtchev</td>
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<tr>
<td>Samsung</td>
<td>Chung-Kon Ko</td>
<td>Jenny Kim</td>
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<td>Siemens</td>
<td>Olivier Pavé</td>
<td>Rob van den Berg / Calinel Pasteanu</td>
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<tr>
<td>Sun Microsystems</td>
<td>Andre Kruetzfeldt</td>
<td>Mark Fulks / Carl Cargill</td>
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<tr>
<td>Telcordia</td>
<td>Stan Moyer</td>
<td>Dave Marples / Dave Famolari</td>
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2004-5 OSGi Alliance Officers

- President – John Barr, Motorola
- Regional VP EMEA – Daniel Meirsman, Philips
- Regional VP Asia/Pacific – JG Wee, Echelon
- Regional VP Americas – Dan Bandera, IBM
- VP of Marketing – Susan Schwarze, ProSyst
- Vice-President and CTO – BJ Hargrave
- Treasurer – Jeff Lund, Echelon
- Secretary – Stan Moyer, Telcordia Technologies
Committees

- Core Platform – BJ Hargrave, IBM
- Marketing – Susan Schwarze, ProSyst
- Market Requirements – Kai Hackbarth, ProSyst
- Vehicle – Hans Michel, BMW, Olivier Pave, Siemens
- Mobile – Jon Bostrom, Nokia, Vadim Draluk, Motorola
- Technical Steering Committee – all chairs
- Liaison Executive Committee – Dan Bandera, IBM
## Organizational Requirements & OSGi Alliance Capabilities

<table>
<thead>
<tr>
<th>Organizational Requirements:</th>
<th>OSGi Alliance Capabilities:</th>
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<tr>
<td>Fair, open, and democratic governance.</td>
<td>Ideal match.</td>
</tr>
<tr>
<td>Uniform licensing terms with a single party.</td>
<td>Ideal match.</td>
</tr>
<tr>
<td>Credibility in key markets</td>
<td>Strong reputation in Automotive Telematics, &amp; Home Networking</td>
</tr>
<tr>
<td>Single, unified platform approach</td>
<td>Ideal match</td>
</tr>
<tr>
<td>Membership includes key industry players from all major value chain segments</td>
<td>Would like more support from Telecom Service Providers (SPs) &amp; Independent Software Vendors (ISVs)</td>
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What Does OSGi Technology Deliver?

- Open Industry Framework, Service-Oriented Architecture
  - Modular Components – Bundles
  - Collaborative Model
  - Highly Dynamic
  - Software Lifecycle Management

- For Device Manufacturers & Service Providers
  - Improves time-to-market
  - Reduces manufacturing & development costs
  - Unique new aftermarket sales opportunities
What Does the Architecture Deliver?

• Business Model Neutral Architecture
  – Robust Mechanisms
  – Policy Neutral Architecture
    • Dynamically Supplied Policy
  – Examples
    • Walled Garden
    • Open Business Model – Charge per Use
Delivering Value Now

- Fortune Global 500 companies delivering OSGi technology today

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<tr>
<th>BMW</th>
<th>Siemens</th>
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<tr>
<td>IBM</td>
<td>Sun Microsystems</td>
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<tr>
<td>Motorola</td>
<td>Samsung Electronics</td>
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<tr>
<td>Philips</td>
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</table>
### Major Endorsers Worldwide

- Fortune Global 500 companies supporting OSGi technology today

<table>
<thead>
<tr>
<th>BMW</th>
<th>NTT</th>
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<tbody>
<tr>
<td>Deutsche Telekom</td>
<td>Nokia</td>
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<tr>
<td>Electricité de France</td>
<td>Philips</td>
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<tr>
<td>(EDF)</td>
<td>Samsung Electronics</td>
</tr>
<tr>
<td>France Telecom</td>
<td>Sharp</td>
</tr>
<tr>
<td>IBM</td>
<td>Siemens</td>
</tr>
<tr>
<td>KDDI R&amp;D Labs</td>
<td>Sun Microsystems</td>
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<tr>
<td>Mitsubishi Electric</td>
<td>Telefònica</td>
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<tr>
<td>Motorola</td>
<td>Toshiba</td>
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OSGi Technology Based Solutions

• **Home Solutions**
  – Blekinge Tekniska Högskola
  – BSH (Bosch und Siemens Hausgeräte GmbH)
  – E2-Home
  – France Telecom, Thomson Multimedia
  – Infinis
  – Institute for Infocomm Research
  – InterComponentWare
  – Linköping Tekniska Högskola
  – P&S
  – Philips iPronto
  – Raum Computer
  – Shell HomeGenie (Motorola)
  – Siemens Med and Prosyst
  – Telia
• Service Provisioning
  – Ciaolab
  – Cisco
  – Electricité de France (EDF)
  – IBM

• Automotive Electronics
  – BMW
  – Bombardier
  – Groeneveld
  – Norwich Union
  – Pilotfish
  – Siemens
  – Volvo
  – Wind River
Where We Go From Here

• Top-tier handset manufacturers and service providers are extending OSGi technology to be the platform-of-choice for mobile services and applications

• Members of OSGi Alliance within these industries:

<table>
<thead>
<tr>
<th>Manufacturers</th>
<th>Service Providers</th>
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<tbody>
<tr>
<td>Motorola</td>
<td>Belgacom</td>
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<td>Nokia</td>
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<td>Telefónica</td>
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<tr>
<td>Panasonic</td>
<td>TeliaSonera</td>
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<tr>
<td></td>
<td>Deutsche Telekom</td>
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</tbody>
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What’s New in 2004

- Revamped marketing program emphasizes broader role of OSGi Alliance
- New member companies involved with Mobile Expert Group.
- OSGi Users’ Forum – Japan
- Active liaison efforts with key industry orgs
- OSGi World Congress focusing on: Home, Automotive and Mobile Markets
OSGi Marketing Program

• Open Services Gateway Initiative => OSGi Alliance
• OSGi.org updated with new look and feel
• OSGi Technology white paper
• Industry specific benefits analysis
The OSGi Alliance Service Platform enables new & exciting services and applications for networked devices. OSGi technology improves time-to-market and reduces costs of manufacturing and development with unique new after-market sales opportunities for device manufacturers and service providers.

Current OSGi Alliance Members


OSGi Alliance 2004 World Congress
Barcelona Spain. October 11-15, 2004
<p>| | |</p>
<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Downloads</td>
<td>256</td>
</tr>
<tr>
<td>First Time Visitors</td>
<td>152</td>
</tr>
<tr>
<td>Hits</td>
<td>32,679</td>
</tr>
<tr>
<td>Unique Visitors</td>
<td>160</td>
</tr>
</tbody>
</table>
Unique Web Visitors Per Day*

*This is an average taken from the month.
OSGi.org/documents/
Part of the OSGi World Congress
document package
New Member Companies (2004)

• Aplix, Computer Associates, Esmertec, Gemplus, Intel, NEC Corporation, SavaJe Technologies

• Invited Researcher: Richard Hall
OSGi World Congress

- Focus on Home, Automotive and Mobile
- Tuesday
  - Emerging End-to-End Architecture and Solutions
  - Top level overview of Home, Mobile, and Automotive
- Wednesday
  - Analyst perspective on Future of OSGi Alliance
  - Detailed tracks for Home, Mobile, and Automotive
- Thursday
  - OSGi Service Platform Evolution
  - New Application of the OSGi Service Platform
  - OSGi Technology and Open Source
  - OSGi Architecture for Mobile Device Software
How You Can Contribute

• Shape the OSGi Alliance specification
  - Work together with more than 40 companies
  - Take a lead in the standardization of a flexible integrated platform

• Take advantage of the global cross-industry Service Platform
  - Integrates today’s islands
  - Enables cross-industry business models

• Exchange information in your development community
  - OSGi Expert Groups
  - Discuss with developers and further develop ideas
  - Improve the product solutions of your organization
Benefits to You

• Benefit from the features of the platform
  - Modular architecture
  - Defined interfaces
  - Future-proof platform, connectivity, easy upgrade and extension

• Access to the source of the RI & test suite

• Certification process provides reliable products
  - Five (5) platforms are already R3 certified
  - Compliance testing is only available to OSGi Members
Membership Level: Full Member

• Full Member
  - Participate in all OSGi Alliance meetings and events
  - Voting rights
  - Become involved in the organization as a Director, Officer, or Committee Leader
  - Participate in any OSGi Alliance Committees and e-mail lists
  - This membership is open to any organization at any revenue level. The OSGi Alliance expects members to actively contribute to the development of the specifications but no specific rules on the levels of contribution are set
  - Fees for membership of this class are US$20,000 annually for twelve (12) months from date of registration
Membership Level: Contributor Member

- **Contributor Membership**
  - Participate in all OSGi Alliance meetings and events
  - Become involved in the organization as a Committee Leader
  - Participate in any OSGi Alliance Committees and e-mail lists
  - Can not serve as Directors
  - This level of membership is open to organizations that have an income (revenue) of less than US$5M per annum for all of the past three years using SEC accounting processes
  - There is a charge of US$10,000 per annum for membership in this class
  - Non-profits are not eligible
OSGi Alliance is leading the way with a common service delivery platform for Mobile, Home, and Auto markets.

- OSGi Service Platform Specification R4 will energize the mobile device market.
- Maturity of broadband deployment to homes is creating a demand for compelling services delivered by OSGi platforms.
- Automotive OEMs are following BMW’s lead for using OSGi service platform to integrate control, communications, telematics and entertainment features.
Join the Leaders!

OSGi Alliance
Bishop Ranch 6
2400 Camino Ramon, Suite 375
San Ramon, CA 94583
(925) 275-6625
help@osgi.org
OSGi.org