



Mainstreaming Mobile the Sprint Titan Platform



OSGi Alliance Community Event

Sprint Titan “Open for Business” OSGi Technology in Mobile

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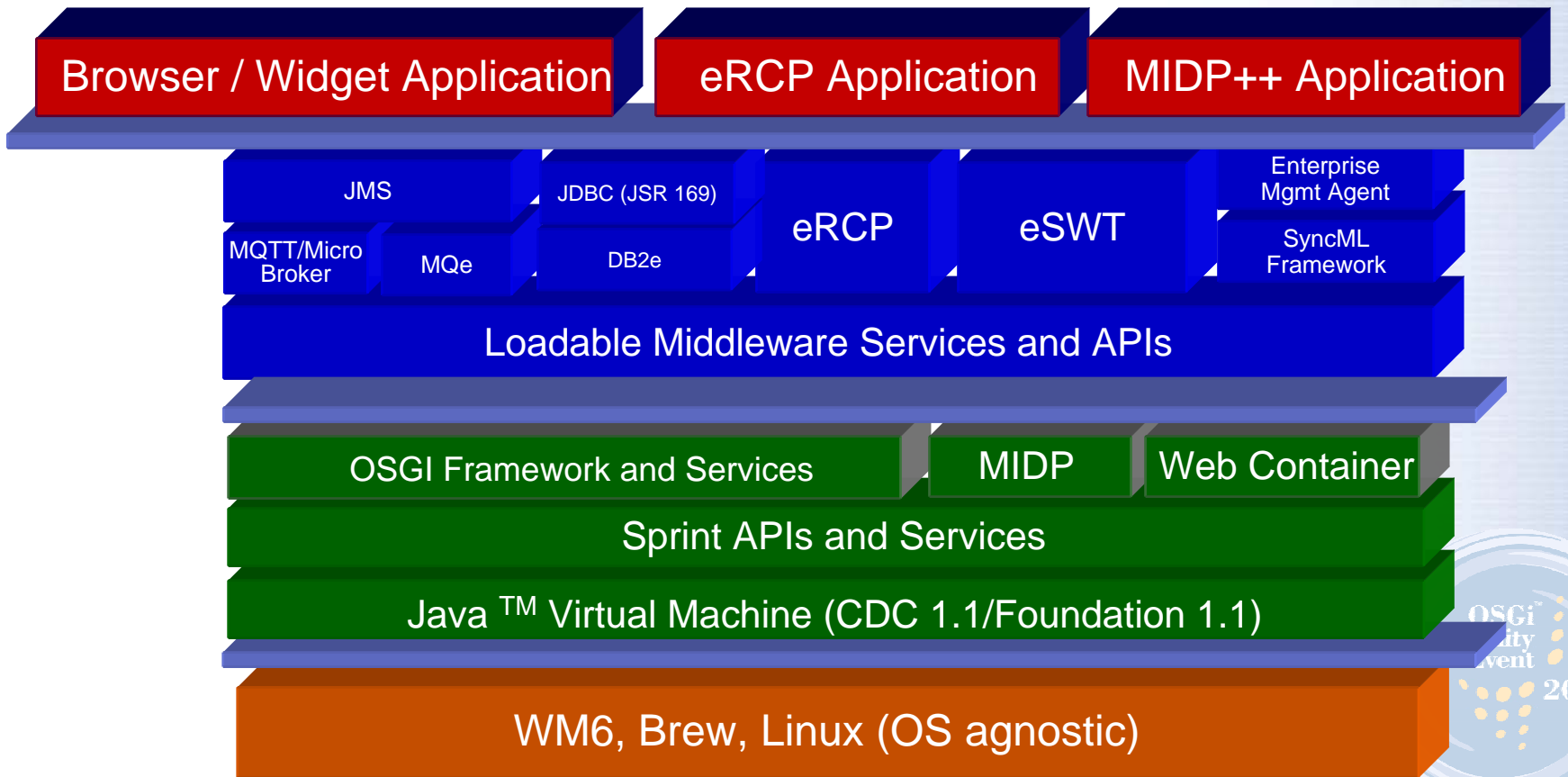
Titan... Mainstreaming Mobile

- Full OSGi R4 MEG support
- Application Server (in your pocket)
 - http Server
 - Java Servlet
- MIDP 2.1 support
- Loadable Rich Middleware Services
- Loadable eSWT, eRCP support for Enterprise
 - IBM partnership for Expeditor
- Fully Managed Environment
- Rich Internet Application Model for Mobile

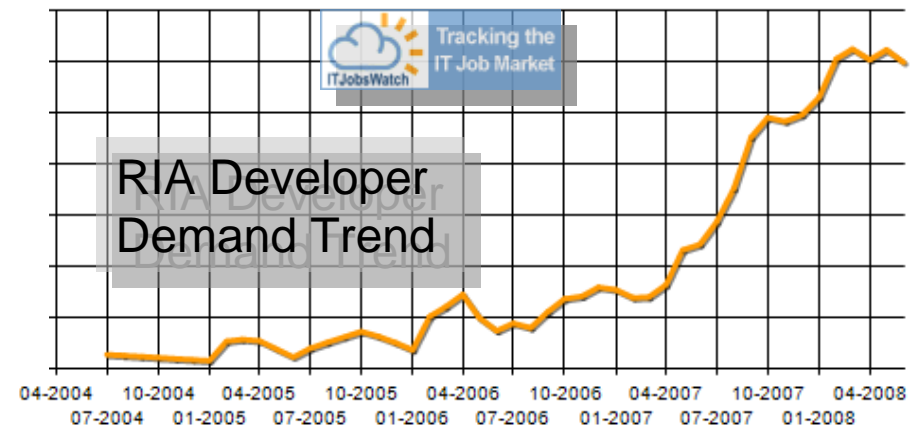
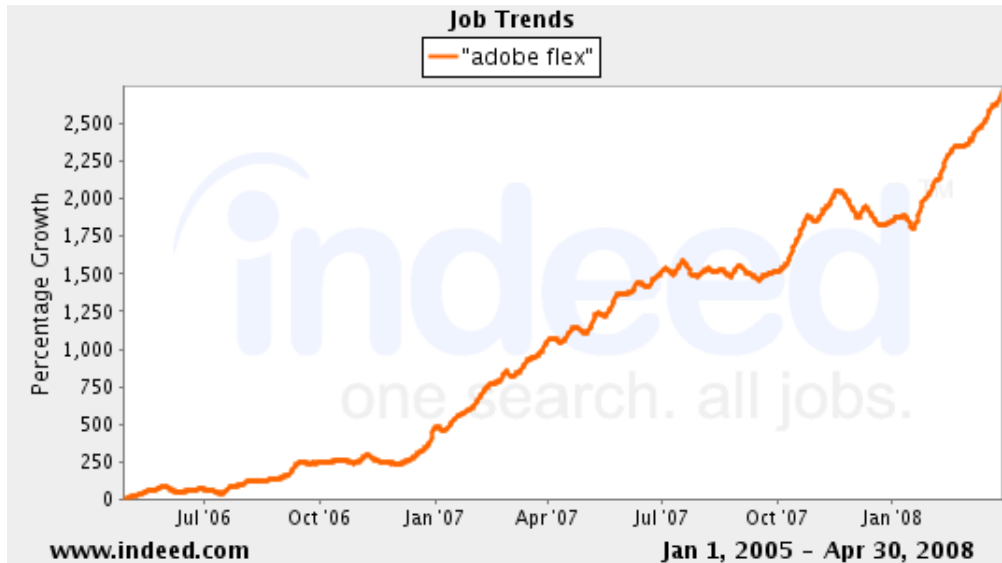


Customizable Platform for Mobile Solutions

Sprint Titan Core
 Loadable Enterprise Middleware (API's and Services)



Rich Internet Developer Demand



Rich Internet Applications for Mobile What's the difference?

- Connection Model (Online, Offline, Sync, QOS)
- Integration to Phone functions (Call, Position, Msg, PIM, etc)
- Task flow, task focus
- One hand operation
- Touch (emerging)
- UI design
- Code loading
- Security

Browser with Ajax is JUST NOT ENOUGH!



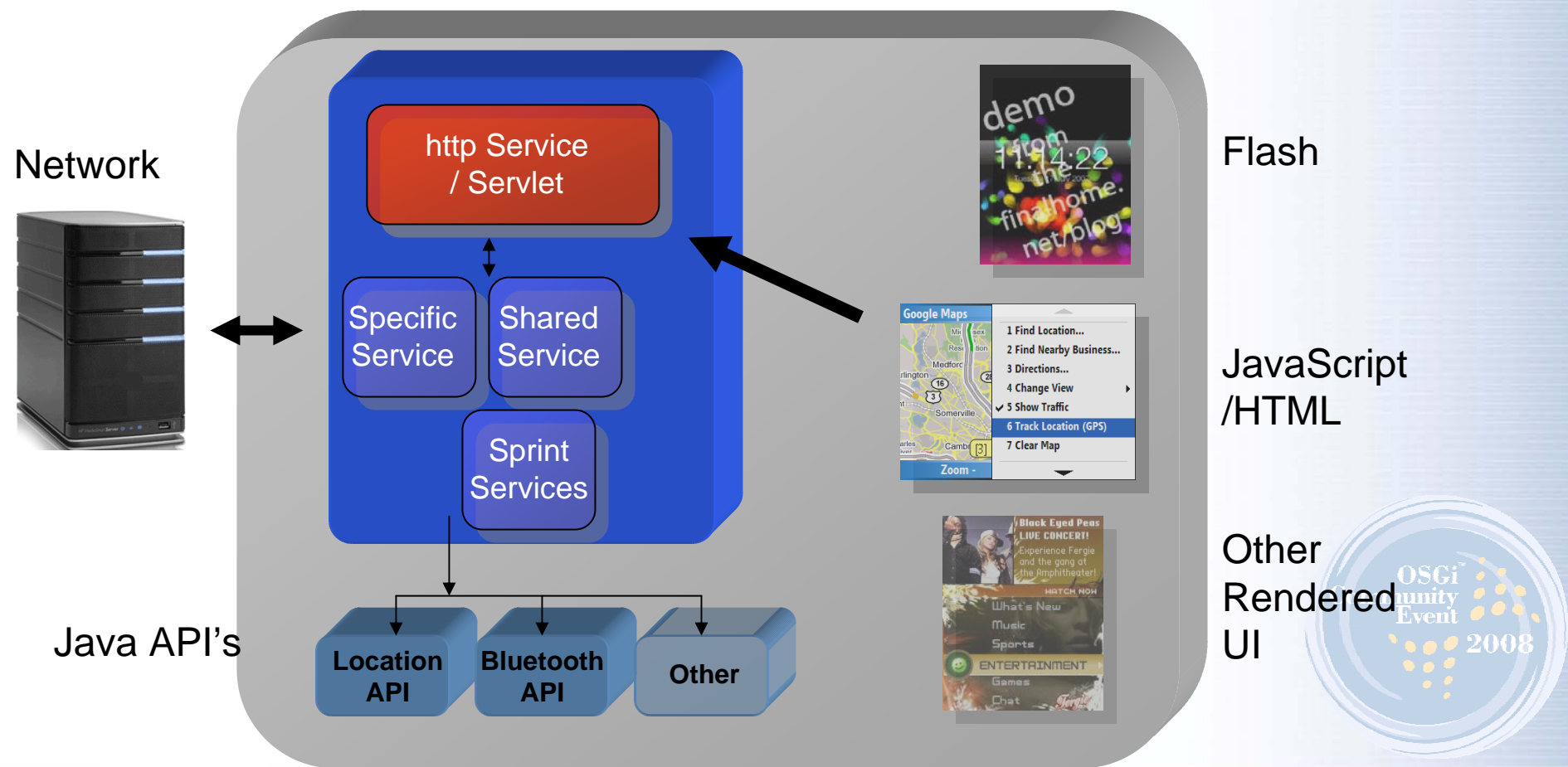
Titan Rich ~~Internet~~ MobileNet Applications

- Leverage the Server in your pocket
- Best of both worlds
 - Renderable UI combined with powerful Java server capabilities and access to Mobile device functionality all in one package
- Local Application Server
 - Offline Web applications
 - Full access to mobile phone capabilities
 - Easily extendable support multiple offline models
 - E.g. Gears, Air
- Create Mobile Mash-ups as OSGi Services



Rich Mobilenet Architecture

Titan Platform



Middleware “Skins” Allow Deep Customization

- Third parties using OSGi services can customize the device by adding APIs that are available to both Java and Widget developers
- Examples
 - Yahoo, Facebook, Google,
 - Enterprise Horizontal e.g. IBM Expeditor, others
 - Vertical medical, financial, insurance



The Sprint Titan Ecosystem consists of:



1
SW Stack on
Sprint Phones



2
Tools for
Developers



4
**Mobile Device
Management
Server**



3
**Sprint
Application
Developer
Program**

5
Partners, Partners, Partners...
IBM, Sun, Prosys, MobiNoir, Eclipse ... We need YOU!

5

Sprint Titan Powered by OSGi technology vs MIDP 3



Titan vs MIDP 3 Key Differences

- Perspective... MIDP3
 - Treats mobile as poor stepchild
 - Mobile and the rest of Java have different models
 - Not SOA, Not open for Middleware, constrained security
 - No WEB model, Java silo
 - Not dynamically manageable
- **Perspective... Titan**
 - Mobile is an equal partner on the network
 - Mobile and the rest of java share same model via OSGi, Servlet etc
 - Full OSGi SOA , framework, and Middleware support
 - Support both Java and WEB model no Silo
 - Powerful, Flexible security model
 - Full Management with OMA or pluggable agent



What can Titan do for You?

In the past, mobile applications were limited...

With Titan the only limit is your imagination

- Offline / intermittently connected
- Secure access to corporate data sources
- Update devices with new capabilities on the fly
- Buy mobile middleware from your server software supplier
- Focus your developer strength with components
 - Components form a complete app: UI, bus logic, database, comms
- Components can be reused by several applications
- Create mobile Mashups for easy access to WEB 2.0 services
- Use WEB/Widgets for compelling mobile applications



Sprint Titan Platform Availability

- WM6 devices 2nd half 08
- Mass Market devices widely available in 2009

For More info Please attend

What OSGi offers to Mobile Enterprise Developers

Joachim Ritter, ProSyst

