

ORACLE®



JavaOne™

ORACLE®

Oracle Java Platform Integrator Program: Porting Java Embedded

CREATE
THE
FUTURE

BOF3067

Hinkmond Wong
Consulting Member of Technical Staff

Terrence Barr
Senior Principal Product
Manager

September 30, 2014



BOF3067 - Oracle Java Platform Integrator Program: Porting Java Embedded

Hinkmond Wong
Consulting Member of Technical Staff

Terrence Barr
Senior Principal Product
Manager

September 30, 2014



Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

ORACLE JAVA PLATFORM INTEGRATOR

Extend the reach of Java in the Internet of Things (IoT)

- Easily customize Oracle Java Embedded products to reach a breadth of devices
- Greater development and deployment flexibility
- Consistent platform portable across choice of hardware and operating systems
- Reduce engineering complexity, time-to-market and cost

ORACLE JAVA PLATFORM INTEGRATOR

Extend the reach of Java in the Internet of Things (IoT)

- **Greater development and deployment flexibility**
 - Reduce the engineering complexity
 - Increase their opportunity for added product value and differentiation
 - Rapidly deploy and monetize standard Oracle Java Embedded implementations

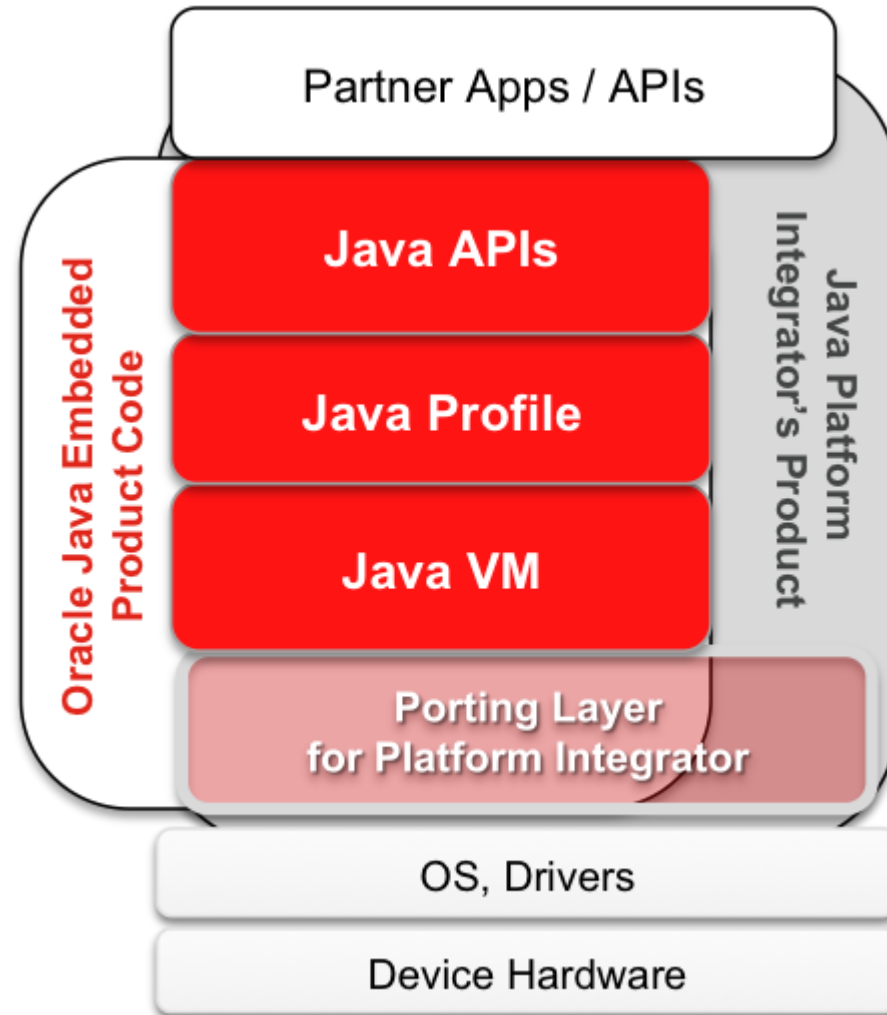
ORACLE JAVA PLATFORM INTEGRATOR

Extend the reach of Java in the Internet of Things (IoT)

- **Benefits from partnering with Oracle**

- Lifetime support - patches and updates
- Reduced time-to-market
- Preserves unified core Java code
- Oracle engineering support and training
- [Deployment Platforms](#) for product ports
- Access to Oracle's [Customer References and Global Customer Programs](#)

ORACLE JAVA PLATFORM INTEGRATOR



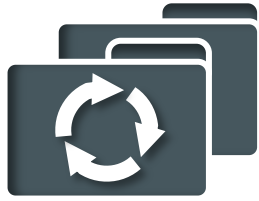
ORACLE JAVA PLATFORM INTEGRATOR

- Q & A

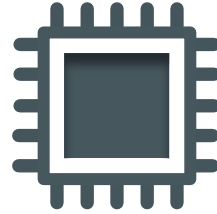
ORACLE JAVA PLATFORM INTEGRATOR

- BACKUP SLIDES

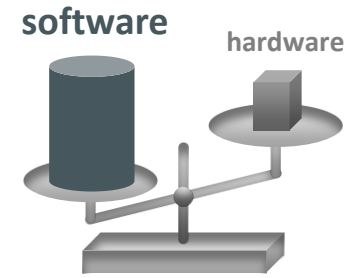
IoT Is Changing the Device



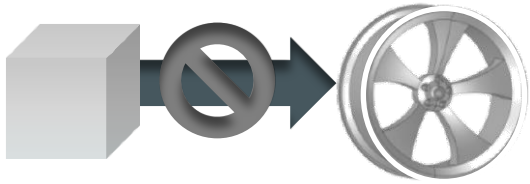
Highly diverse and rapidly changing use cases & technologies



Hardware capabilities & connectivity evolving rapidly



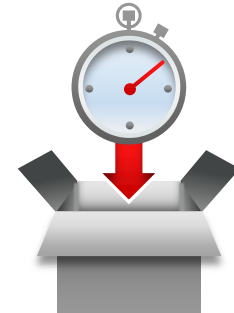
Value is in software, but embedded software development is difficult



Expensive to reinvent and reintegrate must-have features (management, security, etc.)



Volume & value of data is gaining importance as a business driver



Time-to-market and flexibility are key to success

OJPI Program for Java Embedded Products

Extends reach of your solution in the Internet of Things (IoT) Era

- Easily customize Java Embedded to reach a breadth of devices
- Greater development and deployment flexibility
- Consistent platform portable across choice of hardware and OS
- Reduce engineering complexity, time-to-market and cost

Java Embedded products for OJPI partners

Java ME Embedded, Java SE Embedded, ...

Partners - Oracle Java Platform Integrator Program

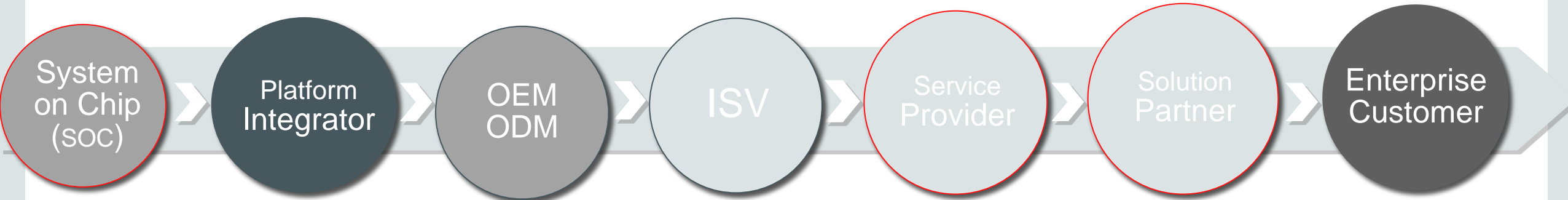
- Platform integrators - Essential partners
 - Essential to accelerated growth in embedded markets and IoT solutions
- Commitment to the Java community
 - Committed to platform innovation, driving the evolution of Java embedded device requirements and maintaining compatibility
- Technology leadership
 - High quality Oracle Java products and solutions: full featured, optimizations for intelligent devices and integrated solutions
- Long term support guarantee
 - Oracle lifetime support policy, <http://www.oracle.com/us/support/lifetime-support>

Enabling Partners across the IoT value chain

OJPI Program - Designed for Embedded Software and Services Companies

*Providers of on-device software
for device or chip manufacturers*

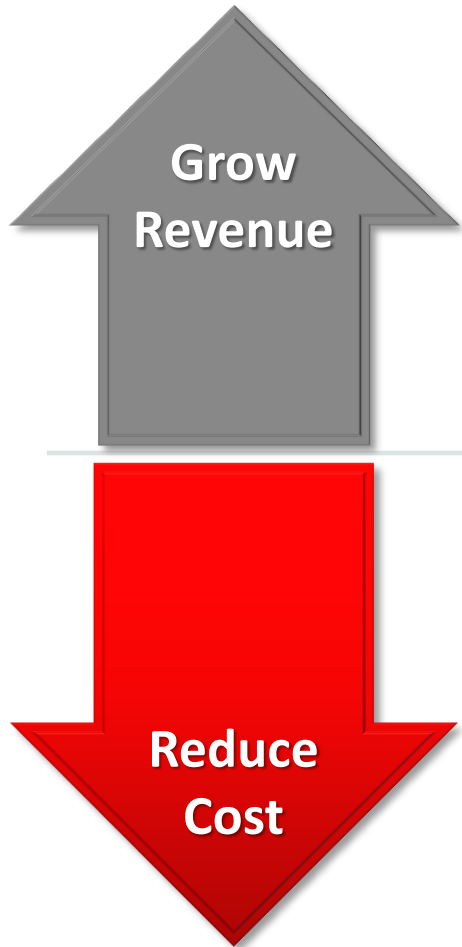
*Value added providers -
provide platform extensions,
apps, services*



*Embedded experts – provide
services, integration, porting and
tuning*

*Integrators, and embedded device
specialists*

Business Value of Java for OJPI Partners



- **Extended Product Lifecycle** - with in Market updates/refresh
 - **Competitive Advantage** - value driven differentiation
 - **Innovation** - Fueled by the largest pool of developer talent
 - **Increased Market Reach** - Wider applicability of modules
-
- **Optimized foundation with Porting Layer** - leveraging Oracle investment and opportunity to differentiate and reduced QA cycles
 - **Shorter Time-to-Market** - Standardization on proven Oracle code base and pre/post Support offerings in OJPI
 - **Reduced Support** - with in Market updates/refresh as needed
 - **Reduced Risk** - Ongoing investments/enhancements by Oracle Java

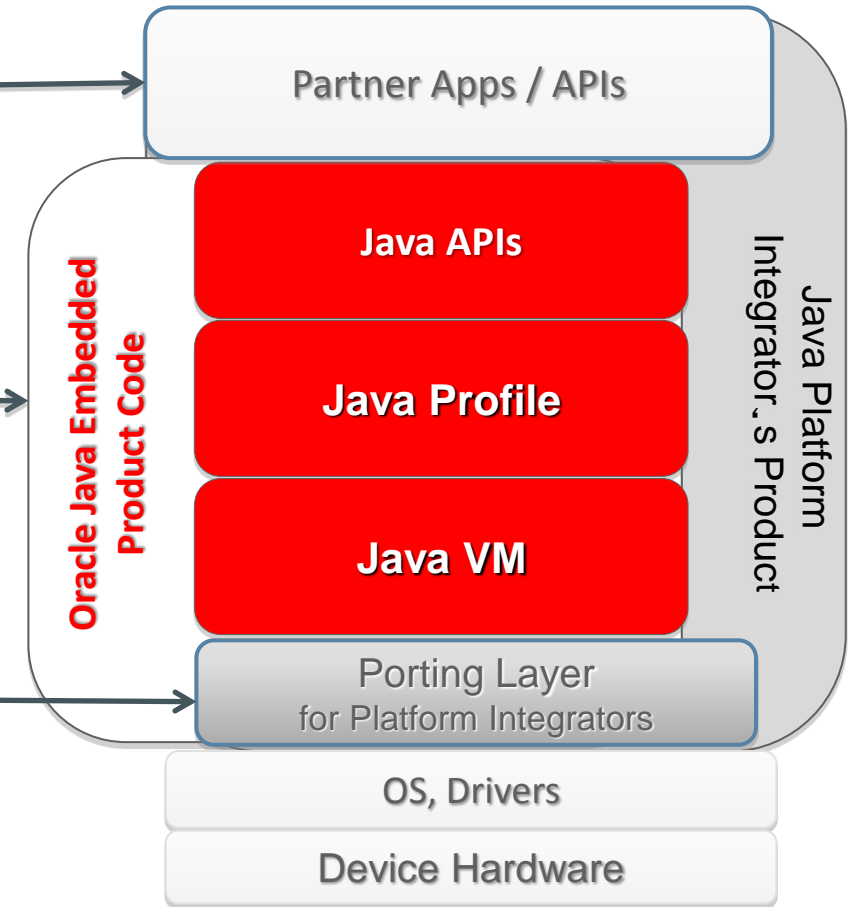
OJPI Program for Partners

Building on Java Embedded foundation

- Partners extend value with Java Embedded
 - Build apps, services, value-add – Redistribute a bundled solution
 - Create platform extensions for market specific functionality
 - Reduced time-to-market, enhanced savings, device serviceability

- Oracle innovation, investment and support
 - Java Embedded - flexible, pre-integrated by design
 - High quality, mature, unified Java product core
 - Optimized, serviceable, portable products

- Partner opportunities expand with Java Embedded
 - Customizable to reach breadth of devices
 - Development and deployment flexibility
 - Enhanced platforms: reduce time-to-market and cost



Java Embedded OJPI partner program

Enabling partners to accelerate Java adoption

- **OJPI Licensing programs**

1. Binary program options

- Standard binaries from Oracle (OTN)
- Custom binaries from Oracle Engineering Services
- Custom binaries produced by an OJPI (Source licensee)

2. Source program

- Oracle provides product source code for partners to port, extend or integrate Java Embedded binaries

- **OJPI Support programs**

- Pre-deployment – Development Support

- Development support options for Source or Binary licensees

- Post-deployment - Oracle Premier Support

- Support for OJPI for units deployed to their end customers

Java Embedded Ecosystem

Common OJPI Distribution



OJPI Partner Support

Oracle's essential, award-winning support services

Pre-Commercial Deployment

- OJPI Development Support Program
 - Specialized support provides partners with development level support
 - Delivery and technical support for partner selected Oracle Java product code and TCKs
 - Includes 1-to-1 product training with Oracle engineering
 - Product maintenance updates and fixes
 - Available per Java Embedded product

Post-Commercial Deployment

- Oracle Premier Support
 - Oracle support 24/7 for OJPI partners that have distributed Java Embedded based products to their customers
 - Includes technical support and bug tracking for Oracle Java product code
 - Provides access to Oracle product innovation through ongoing updates and upgrades
 - Available for any OJPI deployed product

Development Support Programs

Pre-deployment Support – Helping to Enable Platform Partners

1. OJPI Development Support for Source licensees

- Technical support for source code level developers who port/integrate Java Embedded products
 - Assigned Java Licensee Engineer can assist with basic porting, integration support
 - Includes TCK / Compatibility testing, and bug, security fix reporting
- Engineering training, Q&A
 - Interactive product training with Oracle engineering including source code walk throughs, porting layer/requirements
 - Delivered upon licensing and for major product updates
- Licensee-specific Support Portal
 - Set up and access to licensed Java product source code, TCKs, documentation, issue tracking
- Java compatibility audit and Java brand award
- Java Product maintenance and updates
- Pricing is per Java Embedded product (no per port fees)

2. Java Embedded Development Support for Binary licensees

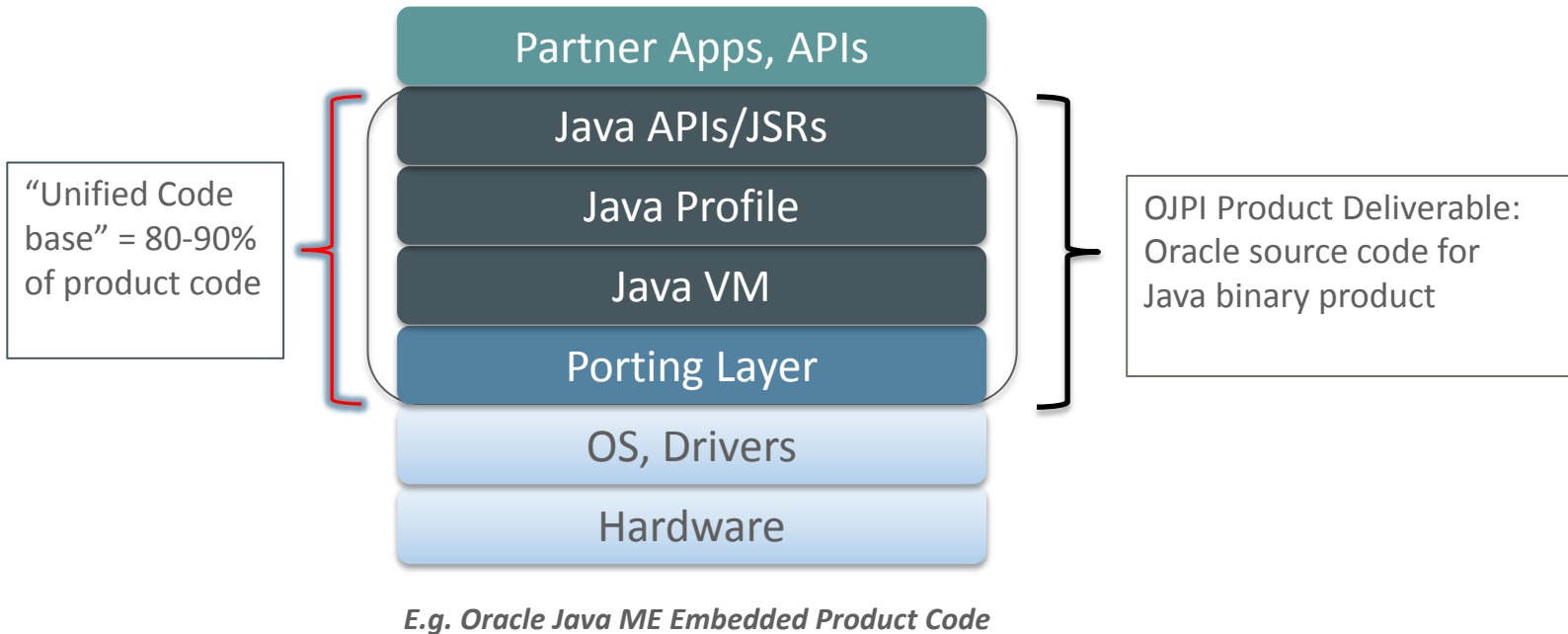
- Pre-deployment technical, break/fix support for standard Java binary products
- Pricing is per Java Embedded product

Oracle Support

Post-deployment Support – Supporting Platform Partners

Oracle Premier Support for OJPIs

- Partner (OJPI) support for ported products that have been distributed to end customers
- Includes support and bug tracking for issues in full product stack
- Redistribution of product updates and upgrades
- Does not include: Access to product source code, TCKs, TCK challenge support, security (included in Development Support)



Resources: OJPI Program Information

- **OJPI Program Information on OTN**

- Information on the OJPI program including the ports available per product can be found on the OTN site
<http://www.oracle.com/technetwork/java/embedded/overview/getstarted/ojpi-1972433.html>
<http://www.oracle.com/technetwork/java/embedded/overview/getstarted/ojpi-ports-2017824.html>
- For ports not list they can be inquired about
- FAQ: [Oracle Java Platform Integrator Program](#)

- **Java Embedded**

- <http://www.oracle.com/goto/javaembedded>

- **Java for Developers**

- <http://www.oracle.com/technetwork/java/index.htm>

CREATE THE FUTURE



Safe Harbor Statement

The preceding is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Hardware and Software Engineered to Work Together



JavaOne™

ORACLE®