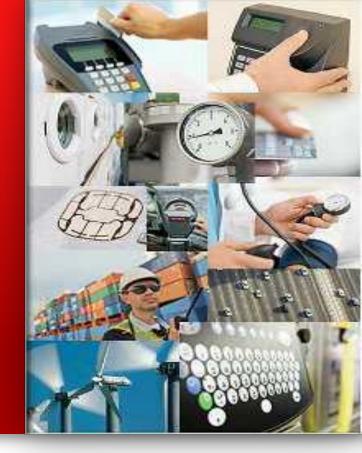




I vantaggi DELLØTILIZZØ JAVA nella strategia M2M Giampaolo SANTARSIERO

Oracle ISV/OEM Presales Italy



🔮 Java

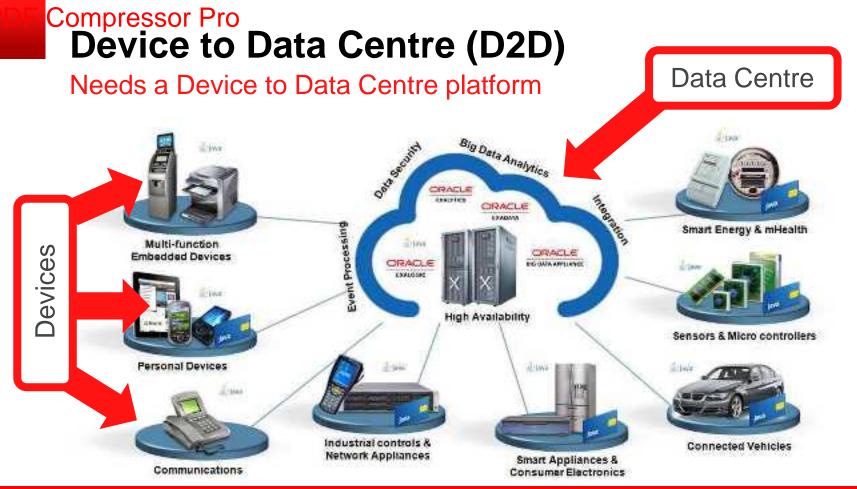
Oracle Worldwide Alliances and Channels ISV and OEM Sales

Compressor Pro Internet of Things: The Next Horizon

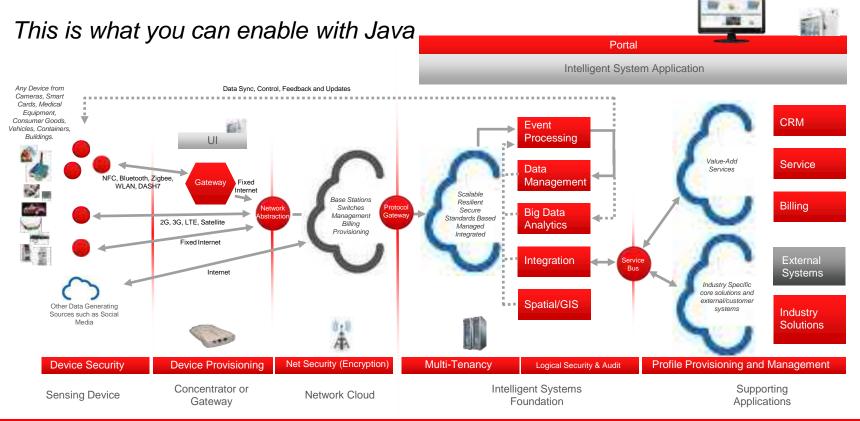
Needs a Device to Data Centre platform



ORACLE



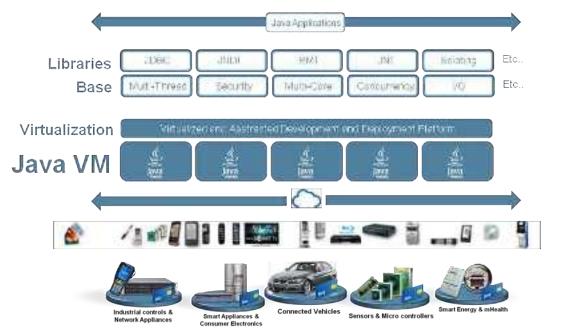
Compressor Pro THE INTERNET OF THINGS IN LAYERS



Compressor Pro What is Java?

It is a Virtualization Platform for Intelligent Devices

- Develop for ANY device
- Put Intelligence on the EDGE
- FULLDevice to Data
 Center DEVELOPMENT and deployment



Compressor Pro Java VM ? What it is

Virtualizing the Connected D2D World

- Java VM (JVM) runs on all connected devices
- Hides the specifics of the device and the embedded O/S
- Deploy/Move Code to any platform with a JVM implementation

Develop Once lava Application DDdH Virtualization Java VM Etc. O/S Mindania Sale Mat Ullhow-Etc. Device ٥E CONTROL Eurotes Etc. Module Conterior Tutt Semi Conductor Californiti Etc. main all It tot Broalthing Chip Architecture Indol-Aloni Intel: Noor Etć. Smart Energy & mitealt

Smart Appliances &

Consumer Electronics

Connected Vehicles

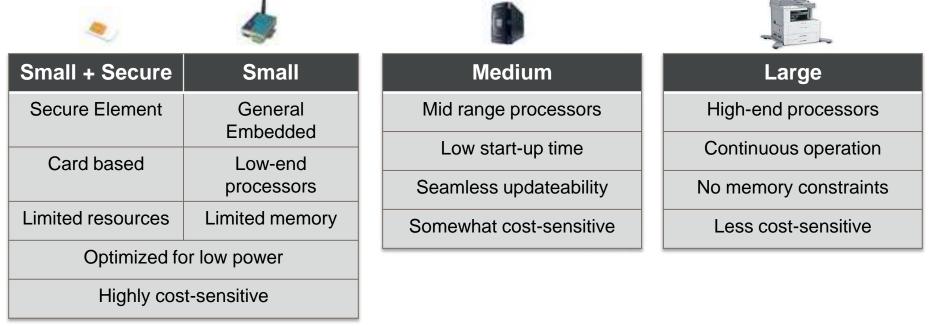
Industrial controls &

Network Appliances

- Applications are compiled in Java Virtual Machine (JVM) bytecode.
- Can be run on any platform with a JVM implementation.
- Portable, Secure, Dynamic, Productive, Robust, Multi-Threaded Applications

Sensors & Micro controllers

Compressor Pro Java Embedded Comes in Many Sizes

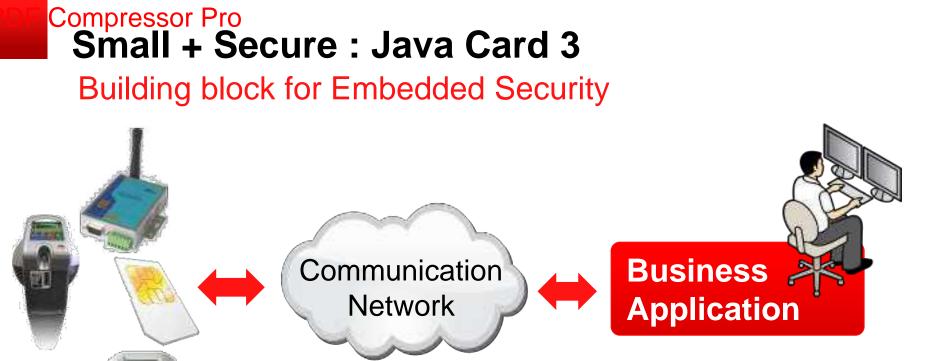


Common Attributes Independent of System Size

• DIVERSE APIS AND LIBRARES • Secure platform and applications • Portability / Hardware Abstraction

Compressor Pro Oracle Java Embedded Offering Today







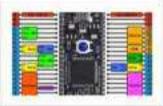
- Markets : Telco (SIM), Payment, ID ?
- Customers : Gemalto, Oberthur TECHNOLOGIES, G&D, ST, ?
- Securing M2M solutions (Secure elements, eSE,)

Compressor Pro Small Embedded : Oracle Java ME Embedded

Applicable segments

- Wireless M2M modules
 - ? Smart Meters & Sensors
 - ? Medical monitoring devices
 - ? Industrial comm modules
- References
 - ? Cinterion
 - ? Qualcomm









Compressor Pro Medium : Oracle Java Embedded Client

Applicable Segments

- Digital TVs, Set-tops, & Media Players
- Blu-rays Players
- Network Equipment & Storage Devices
- VoIP Telephony
- eBook Readers
- Smart Grid/Concentrators
- Automotive/Telemetric
- Multi-Functional Printers (MFP)
- Handheld Terminals/Kiosk



Compressor Pro Large Embedded: Oracle Java SE Embedded



- Routers & Switches
- Storage Appliances
- Network Management Systems
- Medical Imaging Systems
- Radar Systems
- Industrial PCs
- Factory Automation Systems
- Geo-Imaging Devices



- Lottery/Gaming Systems
- Multi Function Printers
- Intelligent Power Module
- Netbooks

- Video Conferencing Systems
- In-Flight Entertainment
 Systems
- Video Streaming Systems
- Electronic Voting Systems
- Voice Messaging Systems
- Security Systems

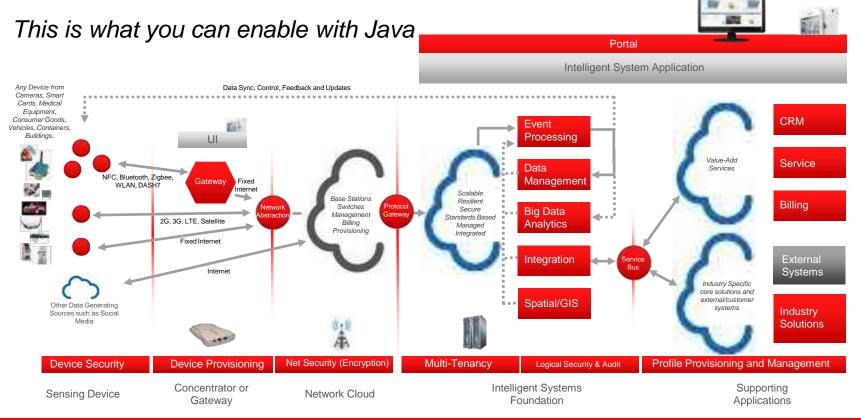
Compressor Pro Oracle and Java

Many Examples

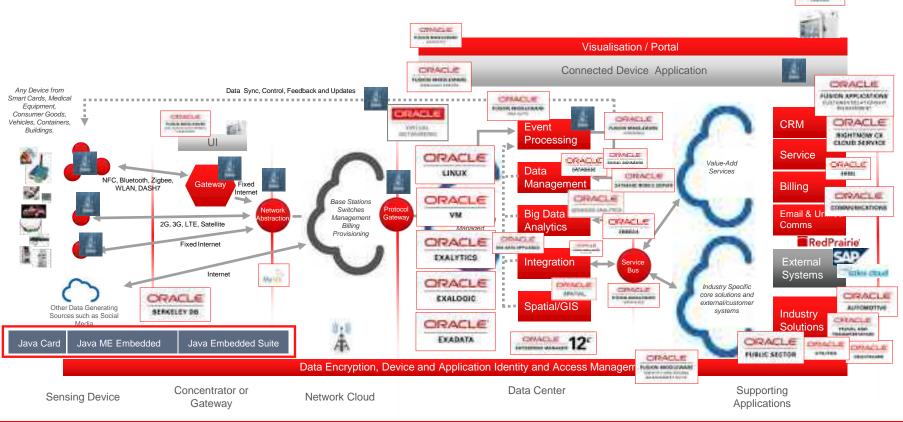




Compressor Pro THE INTERNET OF THINGS IN LAYERS

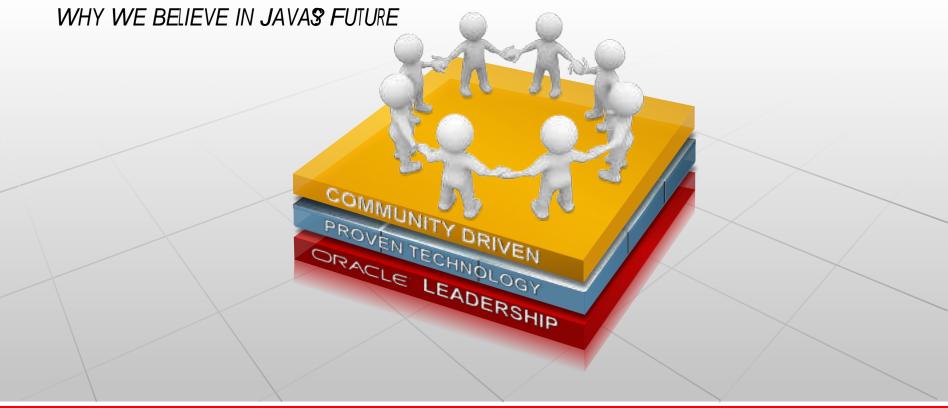


Compressor Pro Solution View



COMPANY.

Compressor Pro Oracle and Java



ORACLE

Compressor Pro Oracle and Java

WHY WE BELIEVE IN JAVAS FUTURE

- Modularity
- Extensibility
- Flexibility
- Innovation
- Relevance
- Passion
- Fun
- Community!







Run Anywhere



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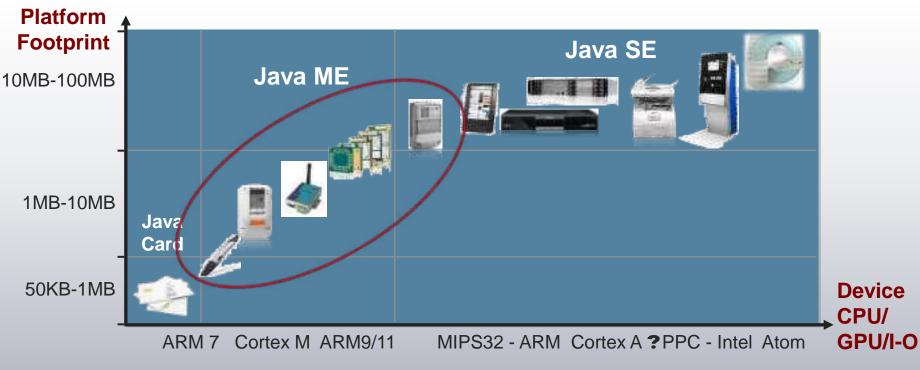


Java Embedded (ME/SE)

How to start



Compressor Pro Java Technology for Embedded Devices



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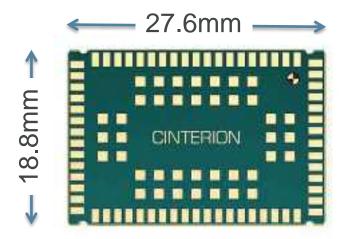
PDF Compressor Pro Java and 3G in a Tiny Package

Cinterion EHS5





PDF Compressor Pro REALLY TINY?





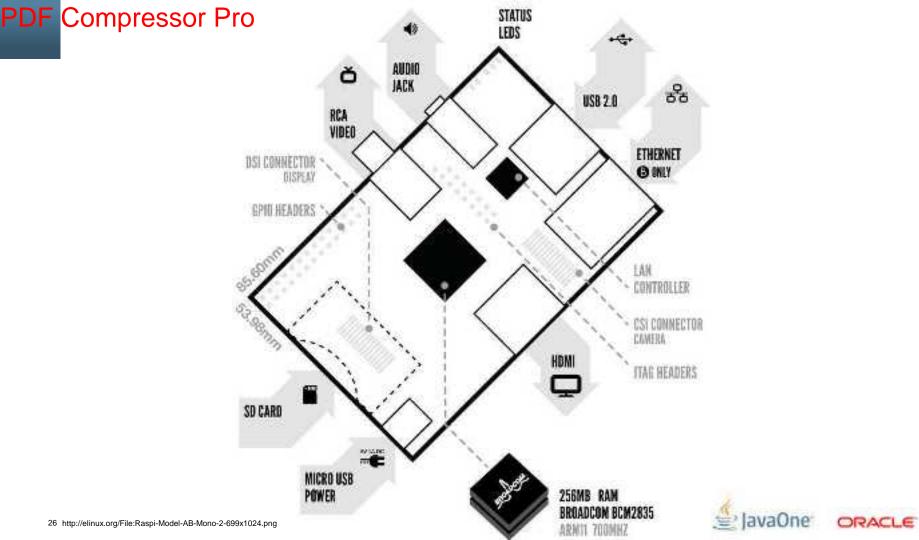
PDF Compressor Pro LETS START SMALL

Raspberry Pi









Raspberry Pi

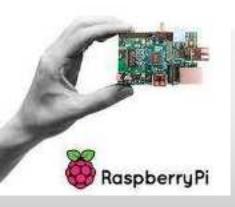
Small and cheap, but powerful

- CPU: ARM 11 core running at 700MHz
 - ? Broadcom SoC package



- ? Can now be overclocked to 1GHz (without breaking the warranty!)
- Memory: 256Mb 512Mb
- I/O:
 - ? HDMI and composite video
 - ? 2 x USB ports (Model B only)
 - ? Ethernet (Model B only)
 - ? Header pins for GPIO, UART, SPI and I2C

Compressor Pro Java on Raspberry PI



- Java SE & ME (emb) EA x ARM
- Hard Float Support
- Java SE & Java FX
- Excellent Performances



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A CASE OF A CASE

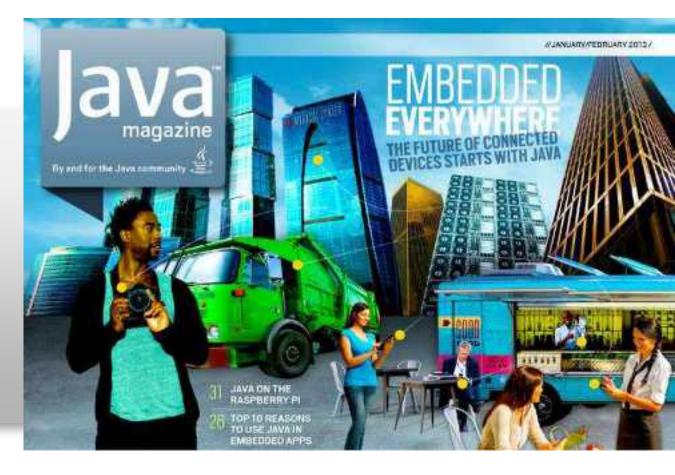


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Compressor Pro Java Delivers Business Value



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ORACLE HAS A COMPLETE PORTFOLIO

OF

BEST IN CLASS TECHNOLOGIES

THAT ARE ENGINEERED TO WORK TOGETHER



PROM DEVICE TO DATA CENTER



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Hardware and Software

Engineered to Work Together

