Company Overview









MontaVista History

Founders & Board

Jim Ready: Founder, President & CEO



- Alloy Ventures, RRE Ventures
- U.S. Venture Partners, WR Hambrecht
- Intel corp.
- IBM corp.
- Panasonic corp.
- Sony corp.
- Yahama corp.



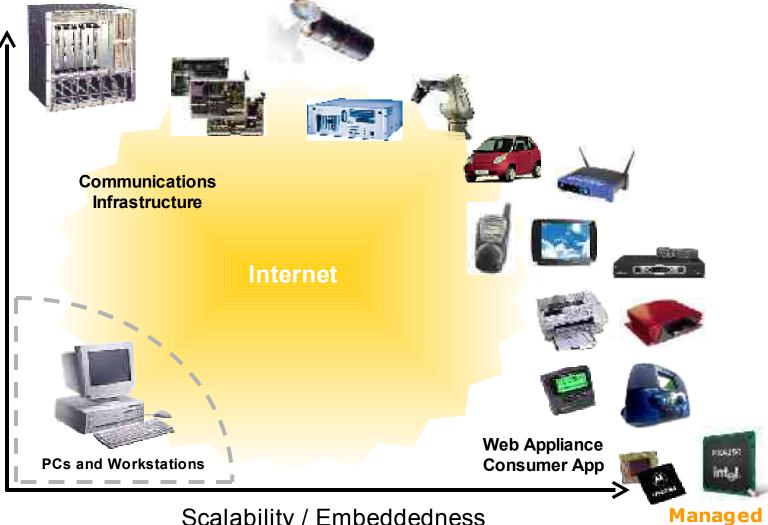


MONTAVISTA

Managed Infrastructure

Business Critical

MontaVista's Markets



Scalability / Embeddedness

Nodes

Why MontaVista?

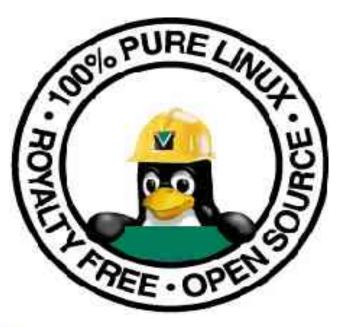








Why MontaVista?



100% Pure Linux

Focus on our customers using

MontaVista Linux throughout their embedded computing
environment

Royalty Free

- Reduced "cost of ownership"
- Improved COGS

Open Source

No proprietary elements

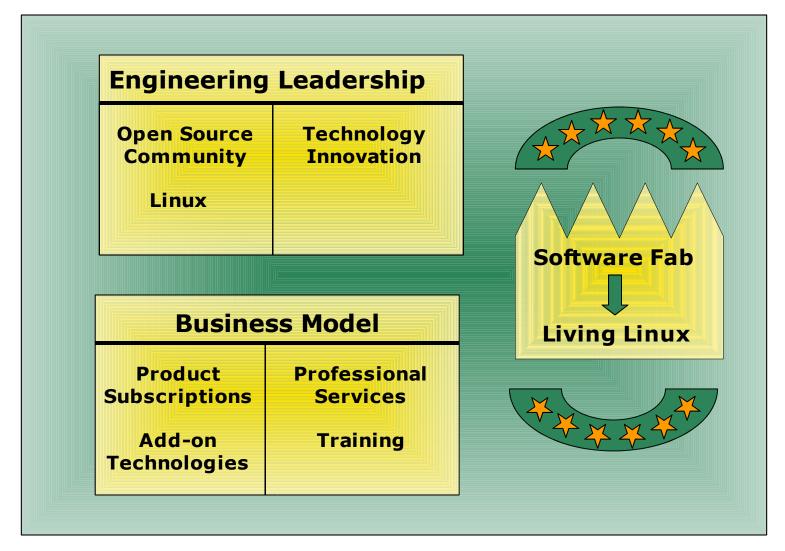
Embedded Linux Expertize

Worldwide Competence Centers





MontaVista Advantages







Technology Leadership

Breadth of Processor Support	Cross- Development Environment	Kernel Debugger	Profiling, Tracing & Memory Leak Detection	Config & Optimization Tools	System Measurement Tools
High- Integration CPUs & Peripherals	Embedded Operation (No console, No disk)	Flash Memory Boot & File System	Hardware Management (IPMI)	Fault Tolerant Networking	Dynamic Power Management
Real-time Preemptible Kernel	Scalable Footprint	Fixed Priority Scheduler	CompactPCI & Hot Swap (PICMIG)	Service- ability Tools	Native Java Threading & Graphics

MontaVista Linux Customers references









"With the convergence of voice and data, telecommunications companies must guarantee the delivery of the end-user services in an affordable way. MontaVista™ Linux® provides a standards-based, open-architecture, embedded software base that is both reliable and scalable."



-- Matti Airas Director, Nokia Networks



The **Nokia FlexiServer™**, in the network domain, is an open carrier-grade server platform using the Linux® operating system. FlexiServer will be the foundation for core network products with functions such as session control and registers. In radio access, FlexiServer is used for managing the signaling plane of mobility control functions, including common radio resource management.



"MontaVista Software is an important partner and MontaVista Linux has been contributing to our Linux strategy. The fruits of our relationship with MontaVista Software can be seen in our products that we are recently bringing to market such as the Sony CoCoon Channel Server. We welcome MontaVista Linux Consumer Electronics Edition as a catalyst and enabler for next generation digital home electronic devices"

-- Masao Hori deputy president Network & Software Technology Center Sony Corporation





"This handset is special because it features one of the most open and flexible software platforms. By supporting the open source Linux OS along with Java technology, Motorola is providing the most creative and fertile environment possible to set the stage for a "best experiences win" environment."

---Terence Lam
Senior Global Marketing Manager
Smartphone and Networked
Entertainment Products
Motorola Personal Communications Sector





"MontaVista Software has demonstrated its ability to deliver leading edge technology, stimulate product innovation and work hand-in-hand with its customers to enable industry-leading products.... we are relying on MontaVista to help us deliver Linux-based mobile phones to global markets. The flexibility of the MontaVista Linux development platform will allow us to produce innovative mobile phone products with multi-media capabilities that provide a compelling experience for mobile users." -- Seiji Mitsuoka, general manager

Mobile Terminals Software Development Division

NEC







"Replacing proprietary software with Linux in our embedded platform was an old dream. MontaVista Linux and MontaVista's professional services allowed us to finally move forward with the project, with confidence, and introduce our new product in less than five months – record time!"

> -- Daniel Dalarossa CEO Cyclades





TS2000



"MontaVista was the only company driving fully functional embedded Linux product solutions for our applications. We were delighted by the performance improvement that MontaVista Linux delivered in our benchmark tests, compared with proprietary [Mentor Graphic's] VRTX and [WindRiver's] pSOS real time operating systems that ran on our previous generation Ethernet switches.

We achieved between a five-fold and ten-fold improvement in TCP/IP throughput, due primarily to the collective contribution from the Open Source Community utilized in MontaVista Linux."

-- Bruno Rolland Managing Director Interface Concepts







"Varco was able to meet very aggressive time-to-market deadlines using MontaVista Linux.

MontaVista's superb technical support helped our engineers overcome technical and reliability challenges"



-- George Boyadjieff Chairman and CEO Varco International



VARCO e-drill – Can remotely monitor and analyze oil drilling rig performance in real-time, detect system problems and enhance operating efficiency, change system parameters, and update the system with enhanced functionality.



"MontaVista has worked with ITT to pioneer the port of Linux to the StrongArm processor. No other vendor was willing to accept the StrongArm port, but working with MontaVista, we had MontaVista Linux up and running on our processor in the first week.... By leveraging MontaVista's embedded Linux expertise, our team was able to concentrate on our technology competence, and bring this product to market much sooner!"



-- John Kirkwood Company Spokesperson ITT Aerospace Communications Division



MontaVista Software Products



Carrier Grade Edition

Consumer Electronics Edition

The Embedded Linux Experts



OFTWARE

Powering the Embedded Revolution





MontaVista Products

Qtopia (Trolltech Application Framework)

Qt/Embedded (Trolltech Graphics)

Qt/Embedded (Trolltech Graphics)

MontaVista™ Graphics (Open Source based)

MontaVista™ Graphics
(Open Source based)

WebSphere Micro
Environment (Java
J2ME & Custom)

WebSphere Micro Environment (Java J2ME & Custom)

Carrier Grade Edition
Development & Runtime
Hardened Kernel & Drivers
x86 Architecture

Professional Edition Cross Development Env Multiple Architectures Consumer Electronics Edition

Cross Development Env Dynamic Power Management Selected Architectures

MontaVista™ Linux® Common Linux OS and development tools

S E CES &

TRAINING

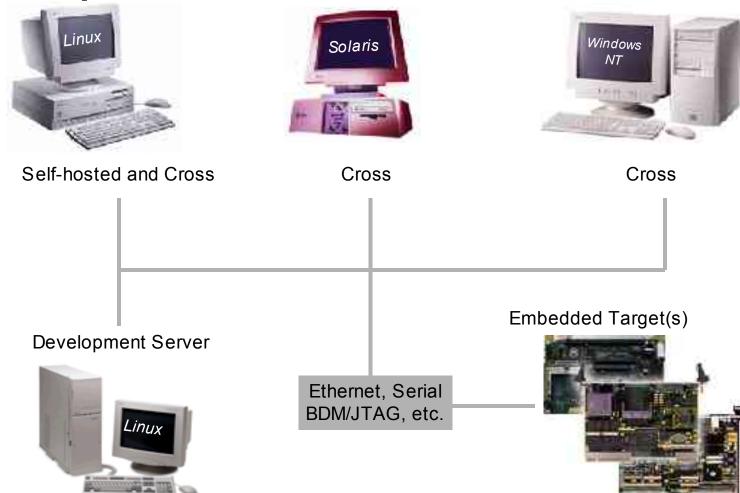
MontaVista Linux Professional Edition



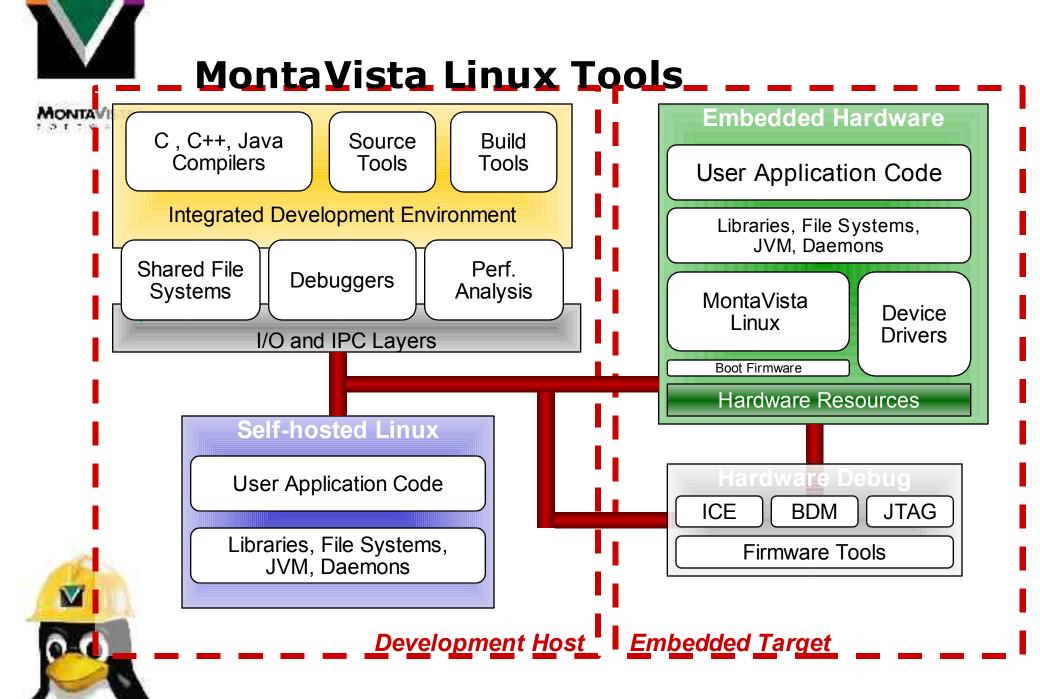


MontaVista Linux

Development Environments



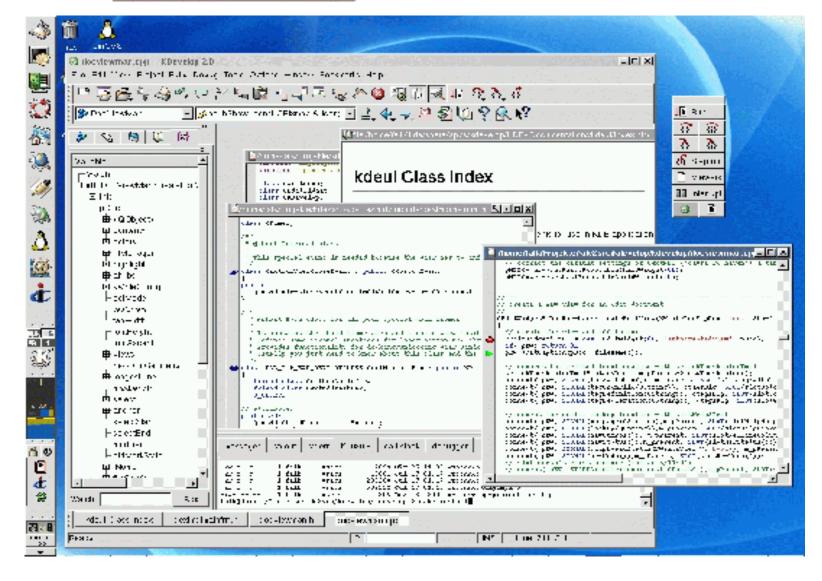








Developorg P

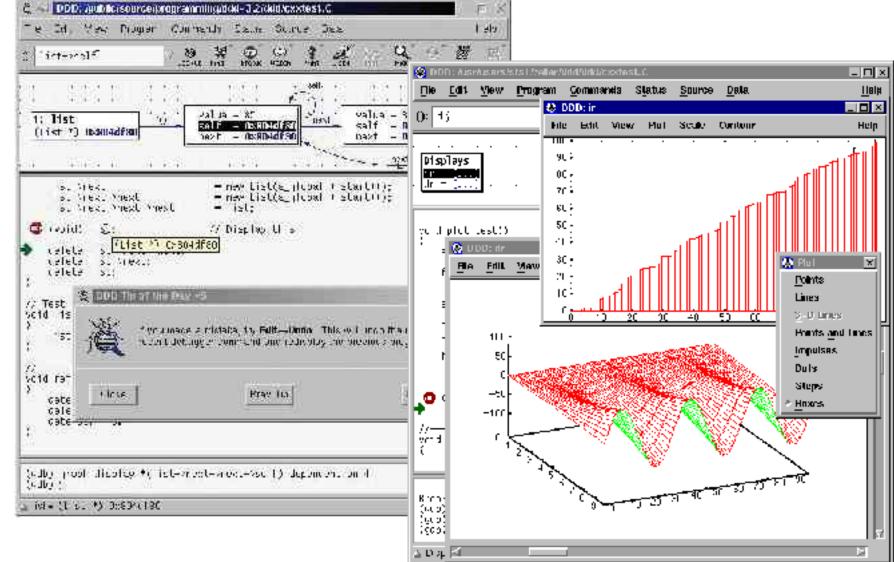






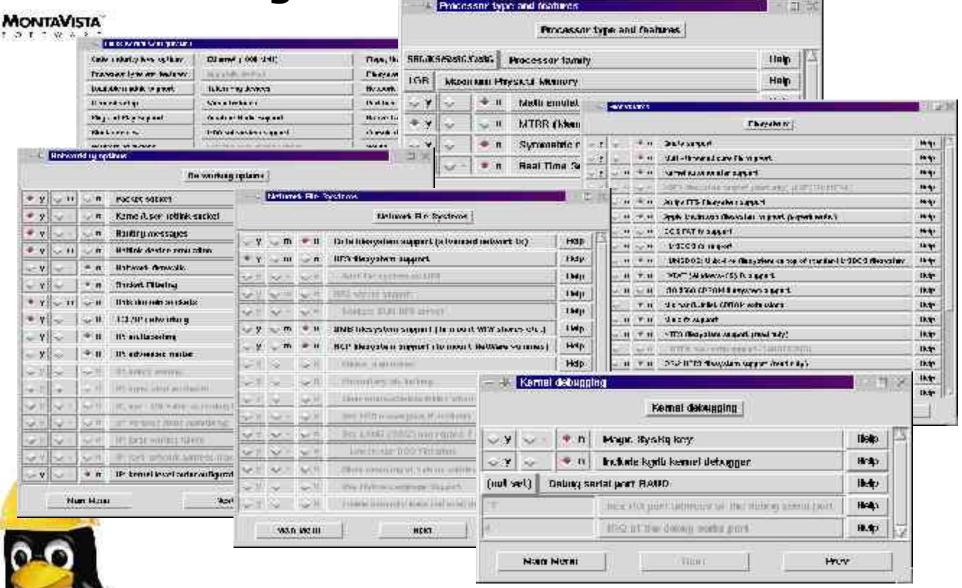


DDD/GDB multithreading debug





Configuration tools

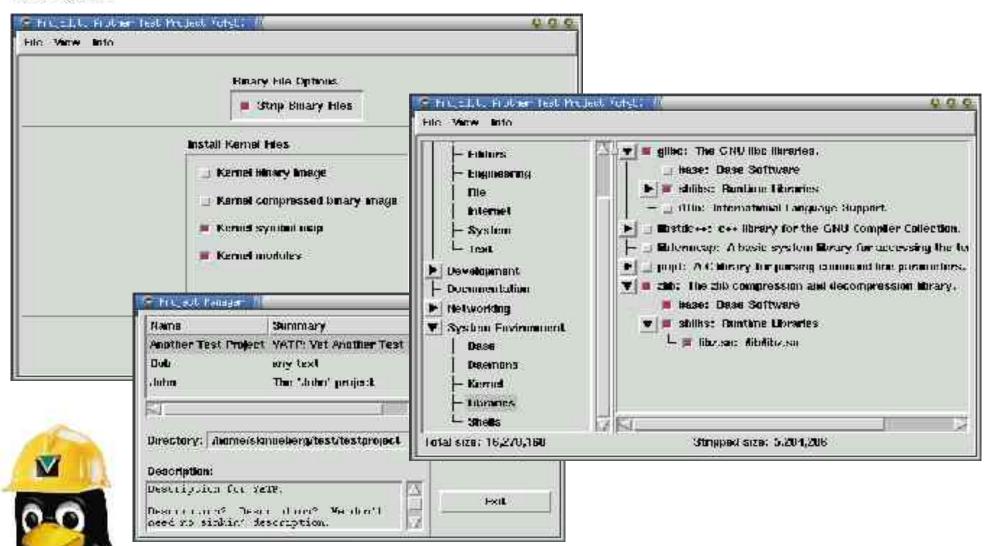




TCT Screen Shots



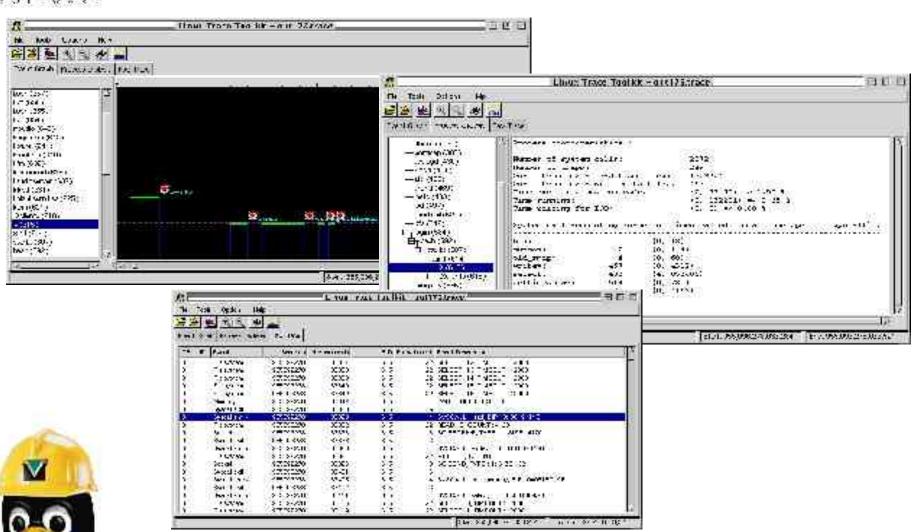






Trace Toolkit

MONTAVISTA



Packages









MontaVista Linux

Value-added for Embedded Applications

- 250+ Packages in CDK
- Real Time/Deterministic/Preemptible Kernel Version
- Debug multithread
- SMP support
- JFFS support (Flash/hard disk)
- NIC-based netboot
- Scalable footprint down to 0.5 megabytes
- Embedded operation (no console, no disk)
- Flash memory boot and file system
 - Support for high-integration CPUs, peripherals

Migration Kit













Moving from

Psos or WindRiver



MontaVista Linux Carrier Grade Edition



MONTAVISTA

OFTWARE

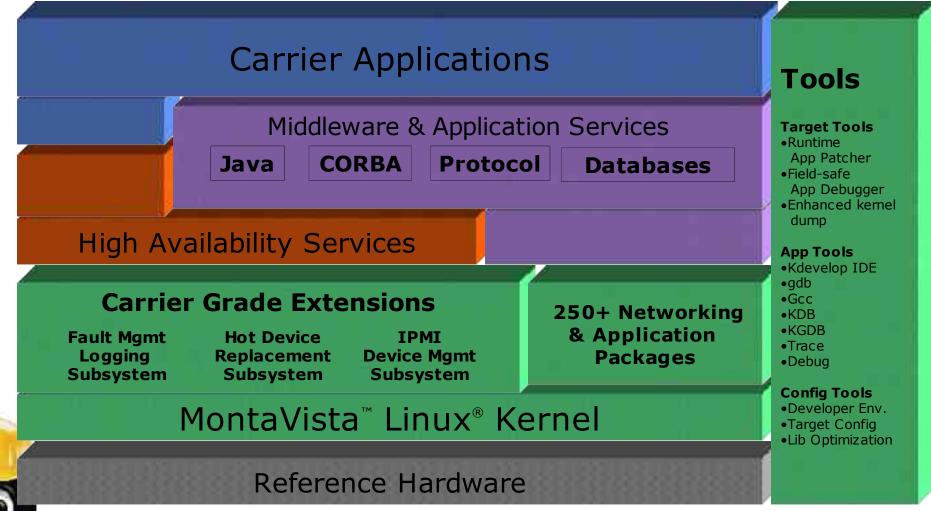
Powering the Embedded Revolution





Carrier Grade Linux Ecosystem Architecture





= Components of MontaVista™ Linux® Carrier Grade Edition

MontaVista Linux Consumer Electronics Edition



MONTAVISTA

SOFTWARE

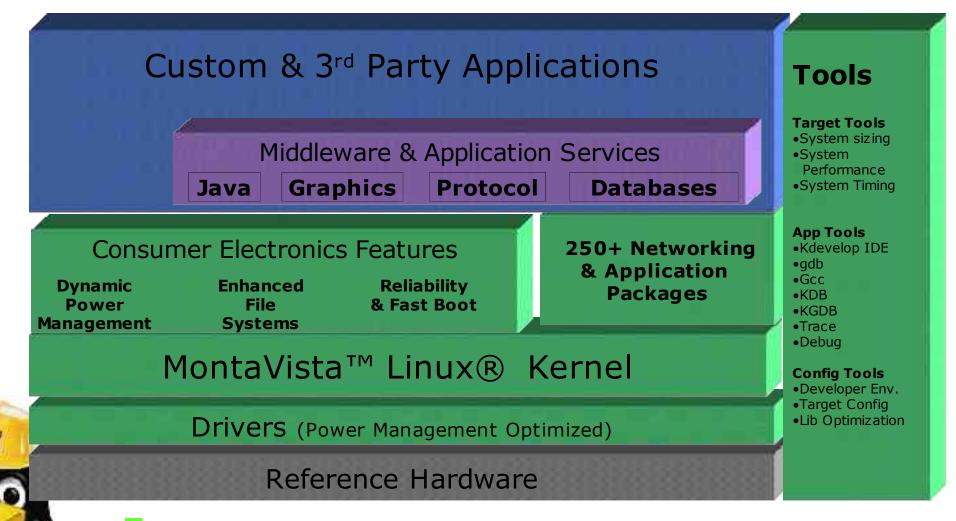
Powering the Embedded Revolution





Consumer Electronics Edition System Architecture





= Components of MontaVista™ Linux® Consumer Electronics Edition

Graphics for Linux





S O F T W A R E

Powering the Embedded Revolution





Trolltech: e/QT or Qtopia

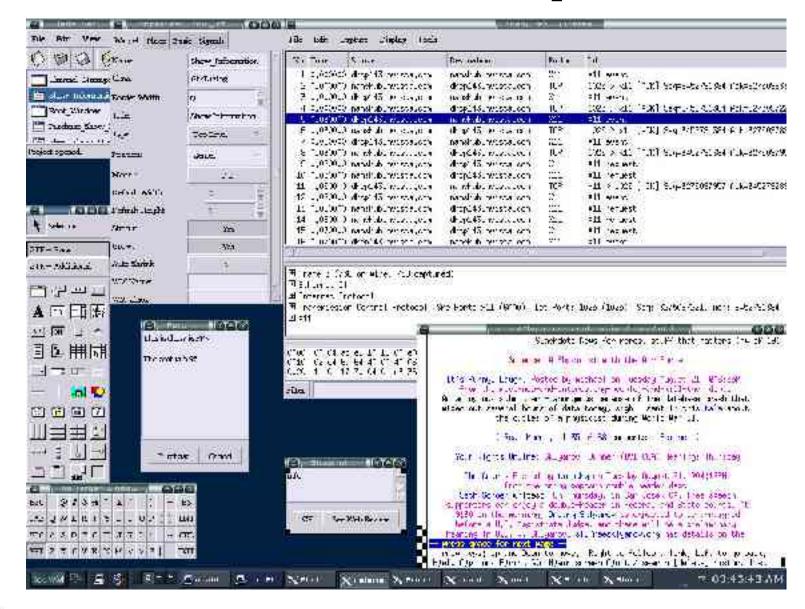
MONTAVISTA







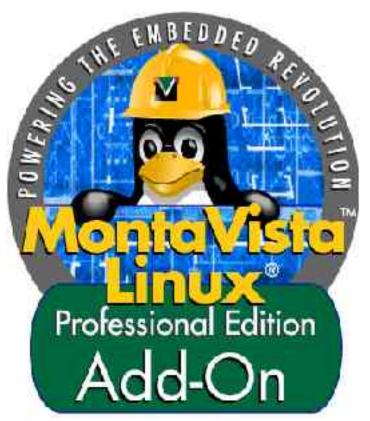
MontaVista Graphics





Java and Embedded Linux:

Made for Each Other

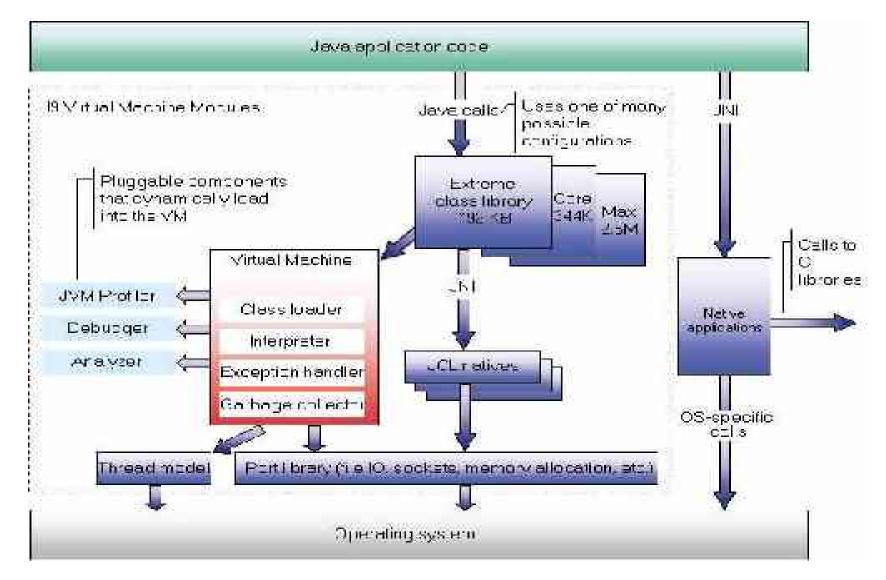


MONTAVISTA





IBM: Websphere +J9





Monta Vista Added Value









Risks with Roll-Your-Own Linux



Action	Risks
ownload code from dozens of sites, e.g,	Code at different revisions –
Gernel.org; Architecture tree; development tools; host components;	each open source tree moves
etworking; file systems; utilities, etc.	independently. Takes significant effor
Suild tys ableanative apply roserde y sleevee plate also	To onlog/kebtheiers wooisknatgether
Build and bring up Linux kernel and drivers	Kernel stability & Untested Drivers &
Configure thousands of options and correctly, optimally	most are IA32 Must hand-configure target system
opulate target file system 2A and test for your platform environment	No standard Linux test environment.
	Must fully stress test for quality.
Ipdates to existing build for bugs (esp security bugs) includes	Significant effort to "keep up" with
racking and rebuilding environment	2000+ kernel emails per week. High
	exposure to miss a critical fix.
Repeat for each new major Linux kernel release	Fall behind and lose benefits of new
Repeat for each architecture/chip used in your organization	features & HW support Each architecture is unique – above



MontaVista Benefits:

Core OS & Tools Functionality

Core os a r	oois i directorianty		
Open Source	MontaVista Linux	MV Benefits	
Lots of Source Code	Pre-built, out-of-the-box deployment	Faster development &	
(30 million lines from 20+ different source tree	platform and tools	time-to-market	
Mostly IA-32/X86. Other	Eight fully-enabled architectures:	Choice of architecture	
CPUs present disparate,	PPC, IA32, MIPS, SH, ARM, StrongARM,	enables lower COGs /	
incompatible source trees	XScale, Xtensa built with common	improved performance	
Numerous Device Drivers	sources Hundreds of tested, integrated drivers and	Faster development,	
	comprehensive board support	higher quality & faster	
Command Line Interface,	Integrated Cross Development and	finatelodeselepment &	
Some cross compilers Rapid, non-stop evolution of	Configuration tools, IDEs Stable, deployable releases that track the	time-to-market Faster development,	
Linux	best features of "Living Linux"	higher quality & faster	

time-to-market



MontaVista Benefits:

QA, Support, Services, Relationship

Open Source	MontaVista Linux	MV Benefits
Testing & QA based on	Stable, QA'd and Tested Binaries and	Higher quality & faster
community best effort	Source Code from the MontaVista	time-to-market
Support from Mailing	ந்தூல் செர்வில் port Engineers and	Reduced risk, faster
Lists, Newsgroups	Guaranteed Response Times, plus the	development & time-to-
Documentation based on	Metatre distante deled Linux Deployment	Færtertdevelopment &
Man Pages &	Guide and Board-specific documentation	time-to-market
Tiralination of the control of the c	In-depth classes focused on key	Faster development &
parties on enterprise	embedded topics: device drivers, high	time-to-market
Aistisb@Rosode	availability, jump-start, etc. Warranty against defects and license	Reduced risk &
No Warranty	indenmification	ilabilities



MERCI – GRACIAS - THANKS



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