



# BlueCat Linux 4.0

Enabling robust embedded Linux solutions

BlueCat® Linux® from LynuxWorks™ is an enhanced implementation of the Linux model, made viable for use in a wide range of embedded systems. Even as BlueCat Linux delivers the flexibility and cost benefits of open-source software, it's uniquely constructed to be a stable, commercial-grade embedded operating system release providing immediate productivity and optimized performance through:

- Packages that are tailored to your varying requirements for tools and technical support
- Its comprehensive set of tools and board support packages for developing, debugging and deploying Linux into embedded environments
- Customers' ability to leverage LynuxWorks' 15+ years of expertise and experience in embedded operating systems, the UNIX® programming model, POSIX and more

## Major feature set

- 2.4 Linux kernel
- 2.95.3 based tool chain
- Support for big and little endian architectures
- Comprehensive target support
  - XScale™ microarchitecture, IXP1200, IA-32, ARM, MIPS and PPC
- LynuxWorks enhanced Linux cross-development environment for Linux or Windows host platforms
- Developer solutions available with options for VisualLynux or CodeWarrior IDEs, SpyKer system trace tool, real-time kernel and development tools and a LynuxWorks support package

## Embedded enhancements

- BusyBox
- TinyLogin
- Zebra routing protocol package and enhanced networking features
  - Network management agent
  - Network security
- Embedded target tools
  - Footprint minimization
  - Journaling file system
  - JTAG support
  - Watchdog timer
- RAS enhancements (some RAS features require LynuxWorks add-on High Availability Package (HAP) for full functionality)
  - Memory dump after panic and tools
  - Kernel message alerting
  - Driver hardening
  - Memory fault handling
  - Resource watermarking
- Enhanced GNU cross-development tools
  - gdb, and gcc
  - Multi-threaded debugger
  - Kernel debugging capabilities

## A solid base of support

The expertise that backs BlueCat Linux customers is also unique in the industry. No other vendor comes close to LynuxWorks' decade and a half of experience in embedded operating systems based on the UNIX model—the same model that defines Linux. LynuxWorks has supported more than 1 million deployed targets and offers a range of support programs for periods of up

## BlueCat Linux Advantages

- Single, accountable source for embedded Linux —inherently stable and supportable Linux environment
- Immediate productivity —includes powerful commercial-grade tools and support package for developing and deploying embedded Linux
- Unrivaled expertise —15+ years of expertise in UNIX® model-based embedded operating systems

to 15 years. You not only get fast answers, but you can count on them being based on careful, long-term analysis and proven success in implementing the UNIX/Linux paradigm.

## Linux with an edge

BlueCat Linux represents a single, accountable source for embedded Linux technology. While it has open source roots, BlueCat Linux is designed to be inherently stable and is offered with the support to get your projects moving today.

To ensure the needs of embedded environments are met without compromise, BlueCat Linux is subjected to the same rigorous ISO 9001 qualified test procedures that qualify the LynxOS® real-time operating system. The end result is an embedded OS that is unique in the industry—open source yet version stabilized and robust; royalty-free yet supportable over your embedded life cycle.

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