

Press Release

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OAR Announces the Public Release of RTEMS 4.5.0-beta

Huntsville, AL – May 23, 2000 – OAR: OAR announces the public release of RTEMS 4.5.0-beta, an open source, high performance, robust, real-time operating system (RTOS). Included with RTEMS is the GNU development environment suitable for cross-development from Linux or Windows to most of today's microprocessor targets. RTEMS 4.5.0-beta and all other RTEMS related source and documentation can be located and downloaded at www.oarcorp.com.

OAR welcomes all input concerning this beta release , including bugs, comments, and suggested upgrades. Please submit all input to info@oarcorp.com. Input will be taken and applied to the formal release (if applicable). A formal release, RTEMS 4.5.0, will be available in July 2000.

RTEMS 4.5.0 Features:

Kernel Features:

- POSIX API
- Classic API -ORKID/RTEID
- Scalable Architecture
- Multitasking
- Event-driven, priority-based, preemptive scheduling
- Optional rate monotonic scheduling
- Intertask communication and synchronization
- Priority inheritance and ceiling protocols
- Homogeneous and heterogeneous multiprocessor systems
- Responsive interrupt management
- High level of user configurability
- Reentrant ANSI C Library
- BSD Sockets

Development Environment Tools:

- GNU C, C++ Compiler and IDE

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- GNAT Ada95 Compiler

Hosts:

- Linux
- Win NT/95 (CygWin)
- Solaris

Add-On Components:

- Networking
 - BSD Sockets
 - TCP/IP, UDP/IP
 - TFTP, FTPd, HTTPd
 - SNMP, NTP, ICMP
 - ARP, DNS client
 - PPP
 - Soon to support: Remote Console
- [microwindows GUI](#)
- [GoAhead Webserver](#)
- [ATT omniOrb](#)
- Open Source Libraries: TCL, readline, zlib, ncurses, libavl
- C++ Constructors for Classic
- Thin Ada95 Bindings for Classic
- File System - In-Memory

Processors Supported: (BSPs)

- Motorola PowerPC, M683x0, M680x0, Coldfire
- Intel ix86, i960
- MIPS R46x0
- SPARC
- Hitachi SH
- AMD 29K
- HP PA-RISC

The OAR Corporate and RTEMS Web Site can be reached at www.oarcorp.com.

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