



RTEMS Legacy Support

RTEMS is an Open Source RTOS providing a powerful development and run-time environment that promotes the production of efficient real-time embedded applications.

Features:

- Permissive License
- Scalable Architecture
- Multiple APIs - Classic, POSIX
- Event-driven multitasking
- Priority-based, preemptive scheduling
- Responsive Interrupt Management
- Optional Rate Monotonic Scheduling
- Priority Inheritance & Ceiling Protocols
- Intertask communication and synchronization
- Symetric Multiprocessing (SMP)
- Reentrant ANSI C Library
- Add-on libraries including Python, Lua
- High performance BSD TCP/IP Stack
- Protocols: TCP, UDP, BOOTP, ARP, ICMP
- Servers: FTPD, HTTPD, TELNETD
- Clients: DHCP, DNS, TFTP, NFS

Processors Supported:

AArch64	MicroBlaze	PowerPC*
ARM	MIPS	RISC-V*
Blackfin	Moxie	SPARC*
Coldfire	Nios-II	SuperH
LM32	OpenRISC	v850
M68K		x86*

*32bit and 64bit support

Available Services:

- Training
- Board Support Package Development
- RTEMS Application Assistance
- Standard and Legacy Support
- Custom Application Development

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The RTEMS Project follows the standard free software practice and maintains the development source as well as the previous two release branches. For example, when the 4.8.0 release was made, the 4.6 release branch was closed and there would be no expectation of support from the open RTEMS Project as its focus moved on to newer releases. However, this does not mean that your project which standardized on an older RTEMS release cannot continue to receive updates with bug fixes.

OAR has long recognized that real-time embedded systems often have fielded lifespans which may far exceed a decade. We have designed our Legacy Support service to address the needs of these projects. After the public project has closed a release branch, OAR moves that release branch into legacy support mode. Customers with Legacy Support agreements can report problems with the older software and receive fixes.

OAR Corporation offers Legacy Support for the RTEMS 4.x and 5.x branches so the success of your project is ensured even when you have committed to an older RTEMS release. OAR will back port fixes from later versions of RTEMS and provide the same types of support you have come to expect from RTEMS Standard Support. For example, the first of the 4.6 legacy releases (4.6.7) addressed over 35 issues identified by users of the later RTEMS versions. In addition, improvements in RTEMS testing infrastructure have been backported to the Legacy code to improve its testability.

Legacy Support for RTEMS includes:

- Access to Releases from an RTEMS Legacy Branch
 - latest legacy 4.6 release includes over 50 fixes since 4.6.6
 - latest legacy 4.7 release includes over 30 fixes since 4.7.3
 - latest legacy 4.8 release includes over 20 fixes since 4.8.2
- RTEMS Development Environment Assistance
- Bug Reporting and Patches
- Direct Contact with RTEMS Engineers
 - normally less than 24 hours
 - always within 2 business days
- Rapid Problem Response
 - solutions as quickly as technically possible
- Downloadable RTEMS Documentation

RTEMS Support is available on an annual subscription basis. Addressing RTEMS issues that impact your development effort or fielded product in a timely manner will save your engineering staff's time and your product's reputation.

Please contact OAR at Sales@OARcorp.com for more details.

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