

FSMLabs: The RTLinux™ Company

OPEN SOURCE SOLUTIONS FOR INDUSTRIAL AUTOMATION, COMMUNICATIONS, INSTRUMENTATION AND CONTROL

RTLinux™ V3.0 — Hard Realtime for Linux

RTLinux installation package—includes two CDs and documentation:

- Red Hat-based installer for clean installations
- Multi-architecture installer for use with existing Linux systems

Includes 30 days email support.

Support Packages

Base Support:

30 days email support
Up to 5 hours combined telephone/email

Developer Support:

60 days email support
Up to 10 hours combined telephone/email
Code and Trace Debug
Email callback

Embedded Developer Support:

60 days email support
Up to 10 hours combined telephone/email
Code and Images
Email callback

Six Month Project Support:

Training Seminar
Up to 5 hours/month combined telephone/email
On-site emergency support (up to 2 days)
Code, images and tracer output
Extra emergency days
Extra phone hours

One Year Project Support:

Training Seminar
Up to 5 hours/month combined telephone/email
On-site emergency support (up to 4 days)
Code, images and tracer output
Extra emergency days
Extra phone hours

Unused emergency support days earn a discount in the following support period.

Support pricing based on two engineering hours per hour of phone support, with one company contact. No per-seat charges.



Finite State Machine Labs, Inc.

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System Integration Services

FSMLabs currently provides several types of system integration service:

- **Standard:** Send us a supported box. We send back an installed and tested RTLinux system.
- **Embedded:** Send us a supported box w/board. We send back an installed and tested system.
- **Custom miniRTL image:** Send us the description of a board and the network. We send back a customized miniRTL floppy or image.
- **Custom RTiC Lab:** Send us your mathematical algorithm, parameter list and control project description. We send you a customized version of RTiC Lab for fast and easy deployment.
- **Peripheral Device Drivers.**

Training & Seminars

Hands-on RTLinux and RTiC Lab training. Standard seminars are six hours long.

Introduction to RTLinux

- How does it work?
- Overview of the API
- Communication between Linux and RTLinux
- Simple examples
- Demonstration: Sound driver using the parallel port
- Security issues
- Features:
 - Standards Compliance (POSIX)
 - Supported Hardware/Platforms
 - Development Tools
 - Resources

Embedded RTLinux

- How does it work?
- Handling restrictions on embedded boards
- System sizes and specs
- Example program
- Demonstration of a sample PC104 system
- Network capabilities
- Security issues

RTLinux control

- How does it work?
- Timing capabilities (timestamping)
- Compensation strategies based on timestamps
- Multithreaded realtime applications
- Communication between Linux and RTLinux
- Example control system

RTiC lab

- Executive Summary
- Creating Projects
 - RTLinux paradigm and its influence on RTiC-Lab
 - Importance of the init, run and stop algorithms
 - The project API
 - The graphical user interface
- Extending RTiC using the existing API
 - Hard real time
 - Soft real time
- Roadmap to RTiC source code
 - Communication between hard and soft RT
 - Creating new widgets
 - File structure

Minimum of 5 participants. Prices and availability may vary with location.

Premium Services

Custom solutions for specific needs. Talk to us about:

ON-SITE SEMINARS
ONGOING TRAINING
ARCHITECTURE PORTS
AUTOMATION AND CONTROL SYSTEMS
NON-GPL AND NON-OPENRTLINUX LICENSES
SYSTEM EVALUATION AND TESTING

ON-SITE CONSULTATION
ON-SITE EMERGENCY SUPPORT
BOARD PORTS
RESELLER DISCOUNTS
UNIVERSITY PRICING



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