



Embedded LINUX Course

This program is intended for programmers and engineers who seek an in-depth understanding of Linux system architecture, and programming. Both system and kernel programming are discussed in this program, with nearly 50% of the course duration being lab exercises. This is a fairly intense programming class.

Day 1

1 The Linux Memory Model

2 Shared Libraries

Lab 1 - Setup and Booting Target

Lab 2 - Develop and Debug Application Using DevRocket

Lab 3 - Creating and Using Shared Library in DevRocket

Day 2

3 Linux Threads and Scheduling

4 Synchronization

5 Inter Process Communications

6 Networking

7 Time and Timers

Lab 4 - Working with Linux Threads

Lab 5 - Linux Process and IPC

Lab 6 - Using Timers in User Space

Day 3

8 Configuring the Linux Kernel

9 Linux File Systems

10 Deploying Montavista Linux

11 Final Thoughts

Lab 7 - Building a MV Linux Kernel

Lab 8 - Tracing Linux Kernel Activity Using LTT

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