

EMB610: System Development Jump Start with MontaVista Linux Carrier Grade Edition 4.0

Day 1

1. Overview of MontaVista CGE Linux
2. Linux Terms and Players
3. What is Carrier Grade Linux?
4. Getting Started with CGE
5. Application Development
 - Lab 1 - Instructor Led Demo of Setup and Booting Target
 - Lab 2 - Application Development

Day 2

6. The Linux Memory Model
7. Linux Threads and Scheduling
 - Lab 3 - Scheduling Linux Threads
8. Synchronization
9. Inter Process Communications
 - Lab 4 - Linux Process and IPC
10. Kernel and Application Communication
11. Configuring the Linux Kernel

Day 3

- Lab 5 - Build Kernel
 - Lab 6 - Tracing Linux Kernel Activity Using LTT
12. Time and Timers
 - Lab 7 - Hi Res Timers
 13. Hardware Platform Support
 14. Application Interface Specification
 15. CGE Networking Support

Day 4

- Lab 8 Instructor Demo Bonding Ethernet
16. RAID and CGE FileSystems
 17. Linux File Systems
 18. Serviceability Enhancements
 - Lab 9 - Develop memory resource monitor
 19. Field Safe Application Debugger and Patcher
 20. Final Thoughts