

Linux Dirty Tricks: How to Make Friends and Influence People

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This talk will examine the Unix-Linux initialization sequence. Understanding the elegant, simple principles that Unix is based on is critical for understanding current Linux systems. It will consist of a number of parts:

1. A historical overview of the Unix V6 initialization sequence.
2. A look at the current Linux initialization sequence.
3. An explanation of how an understanding of the initialization sequence will allow us to build and configure embedded systems.
4. A demonstration of how to "exploit" this knowledge for fun and profit. This demonstration will:
 - (a) Show how to create an "embedded Linux system" from a standard Linux distribution in 5 minutes
 - (b) Demonstrate simple hacking techniques that will endear you to your local system administrator.

Biography

Joel Isaacson has worked as a independent consultant at the cutting edge of high technology for over 30 years. He concentrates his efforts on consulting and actively developing software. He has been promoting open software solutions for over 15 years. For the last 20 years, he has taught various advanced computer science courses at Bar-Ilan University and has advised tens of students in their advance degree theses. He has a Ph.D. degree in theoretical Physics from the University of Pennsylvania.