Abstract

Embedded Systems are designed for a specific task based on characterization. But in the modern advancements these are doing several tasks at a time, to achieve this it requires an operating system along with powerful processor. In this paper proposes the Board Support Packages (BSP) customization of Embedded Linux OS, especially ARM9 based Freescale Silicon Vendor platforms with the help of Linux Image Target Builder (LTIB). The successful build the operating system will give the Binary images of custom OS. Finally the images are ported to the target platform.

References

- Hu Jie ; Zhang Gen-bao, "Research transplantation method of embedded linux
  kernel based on ARM platform", Information Science and Management Engineering
- Chanju Park, Youngjun Jang, kyungiu Hyum, Kyungiu Kim, "Linux Bootup Time
- Divya Sharma, Kamal kanth, "Porting the Linux Kernel to Arm System-On-Chip
  And Implementation of RFID Based Security System Using ARM," International Journal of
  Advanced Research in Computer Science and Software Engineering (IJARCSSC), Vol3,
  issue5, May-2013.
- Jyotsana Thaduru, B. Narasimhachary, "Porting the linux kernel to ARM
- Kernel parameters list available in the kernel Documentation and Available at kernel.org
- Alan Ezust, Paul Ezust, "Introduction to Design Patterns in C++ with Qt (2nd
- Pravin, S ; Balakrishnan, R, "Set top box system with android support using
  Embedded Linux operating system paper," Advances in Engineering, Science and

Index Terms
Computer Science Embedded Systems

Keywords
Board Support Packages Bootloader Embedded Linux file system Kernel LTIB
Porting.