1. Record Nr. UNINA9910457359903321 Autore Abbott Doug Titolo Linux for embedded and real-time appplications [[electronic resource] /] / by Doug Abbot Burlington, MA,: Newnes, c2006 Pubbl/distr/stampa **ISBN** 1-281-01470-2 9786611014704 0-08-049615-6 Edizione [2nd ed.] Descrizione fisica 1 online resource (321 p.) Embedded technology series Collana Disciplina 005.4/32 Soggetti Operating systems (Computers) Embedded computer systems - Programming Real-time programming Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Linux for Embedded and Real-Time Applications; Copyright Page; Contents; Preface; About the Author; What's on the CD-ROM?; Chapter 1. The Embedded and Real-Time Space; What is Embedded?; What is Real-Time?; How and Why Does Linux Fit In?; Where is Linux Embedded?; Open Source Licensing; Resources; Chapter 2. Introducing Linux; Features; Protected Mode Architecture; The Linux Process Model; The Linux File system; System Configuration; The Shell; Getting Help; Resources; Chapter 3. The Host Development Environment; Linux Distributions; Dual-Booting Cross-Development Tools-The GNU Tool Chain Resources; Chapter 4. Configuring and Building the Kernel; Getting Started; Where is the Source Code?; Configuring the Kernel-make config, menuconfig, xconfig; Behind the Scenes-What's Really Happening; Booting the New Kernel: What Can Go Wrong?; Resources: Chapter 5. Blue Cat Linux; The

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Sommario/riassunto

The open source nature of Linux has always intrigued embedded engineers, and the latest kernel releases have provided new features enabling more robust functionality for embedded applications. Enhanced real-time performance, easier porting to new architectures, support for micro controllers and an improved I/O system give embedded engineers even more reasons to love Linux! However, the rapid evolution of the Linux world can result in an eternal search for new information sources that will help embedded programmers to keep up!This completely updated second edition of noted author Doug Ab