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Titolo	FreeBSD device drivers [[electronic resource]] : a guide for the intrepid / / by Joseph Kong
Pubbl/distr/stampa	San Francisco, : No Starch Press, c2012
ISBN	1-59327-436-X
Edizione	[1st edition]
Descrizione fisica	1 online resource (354 p.)
Disciplina	005.7/1
Soggetti	Free computer software
	Device drivers (Computer programs)
	Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Building and running modules -- Allocating memory -- Device communication and control -- Thread synchronization -- Delaying execution -- Case study: virtual null modem -- Newbus and resource allocation -- Interrupt handling -- Case study: parallel port printer driver -- Managing and using resources -- Case study: intelligent platform management interface driver -- Direct memory access -- Storage drivers -- Common access method -- USB drivers, case study: USB printer driver -- Network drivers part I, data structures -- CNetwork drivers part II, packet reception and transmission.
Sommario/riassunto	FreeBSD Device Drivers is the first and only book to teach readers how to develop device drivers for the FreeBSD operating system. A one-stop reference for FreeBSD device driver writers of all levels of expertise, FreeBSD Device Drivers begins with the nuts and bolts of device drivers, including explanations of the different driver components and building blocks. You will then learn how to build and run modules, allocate memory, control device communication, deal with concurrency issues, manage hardware resources, handle interrupts, support direct memory access, write PCI, SCSI, and USB device