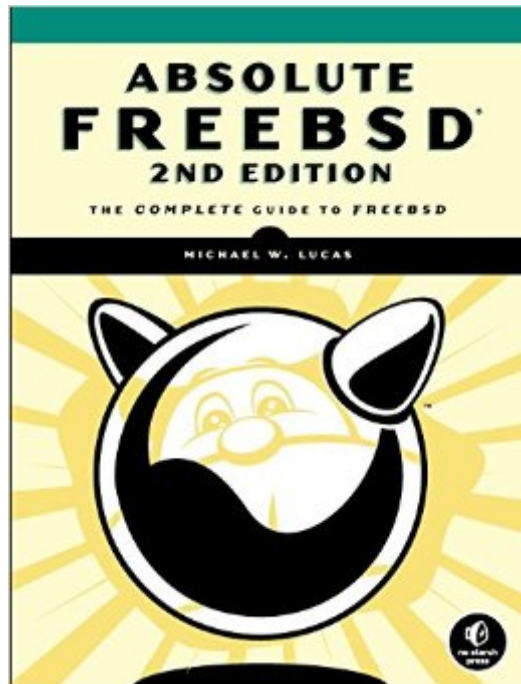


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# Absolute FreeBSD: The Complete Guide To FreeBSD, 2nd Edition



## Synopsis

FreeBSDâthe powerful, flexible, and free Unix-like operating systemâis the preferred server for many enterprises. But it can be even trickier to use than either Unix or Linux, and harder still to master. *Absolute FreeBSD, 2nd Edition* is your complete guide to FreeBSD, written by FreeBSD committer Michael W. Lucas. Lucas considers this completely revised and rewritten second edition of his landmark work to be his best work ever; a true product of his love for FreeBSD and the support of the FreeBSD community. *Absolute FreeBSD, 2nd Edition* covers installation, networking, security, network services, system performance, kernel tweaking, filesystems, SMP, upgrading, crash debugging, and much more, including coverage of how to:

- Use advanced security features like packet filtering, virtual machines, and host-based intrusion detection
- Build custom live FreeBSD CDs and bootable flash
- Manage network services and filesystems
- Use DNS and set up email, IMAP, web, and FTP services for both servers and clients
- Monitor your system with performance-testing and troubleshooting tools
- Run diskless systems
- Manage schedulers, remap shared libraries, and optimize your system for your hardware and your workload
- Build custom network appliances with embedded FreeBSD
- Implement redundant disks, even without special hardware
- Integrate FreeBSD-specific SNMP into your network management system.

Whether you're just getting started with FreeBSD or you've been using it for years, you'll find this book to be the definitive guide to FreeBSD that you've been waiting for.

## Book Information

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## Customer Reviews

Almost five years ago I reviewed *Absolute BSD*, Michael Lucas' first book on FreeBSD. I gave that book five stars, back when several other BSD books provided competition. On the eve of 2008, I am happy to say that Michael Lucas is probably the best system administration author I've read. I am amazed that he can communicate top-notch content with a sense of humor, while not offending the reader or sounding stupid. When was the last time you could physically feel yourself getting smarter while reading a book? If you are a beginning to average FreeBSD user, *Absolute FreeBSD 2nd Ed (AF2E)* will deliver that sensation in spades. Even more advanced users will find plenty to enjoy. One of the best aspects of AF2E is that it is modern and covers FreeBSD 7.x. The previous edition covered 4.x, and plenty has changed since then. I've used FreeBSD regularly since 4.1.1 (Aug 2000), and AF2E taught me a lot about my favorite OS. Michael's coverage of GEOM, NanoBSD, FreeSBIE, journaling, memory file systems, filesystems in a file, and other topics really opened my eyes. Michael delivers excellent line-by-line explanations of system output, using numbered references to guide the reader. Another major reason I love AF2E is that it is a good system administration book that covers plenty of FreeBSD nuances. Michael shares many of his experiences running FreeBSD in production, and I always believe he is teaching the reader what he or she needs to use FreeBSD to support customers. For example, I liked the hint on p 221 about disabling hard drive write caching (`hw.ata.wc=0` in `/boot/loader.conf`). I also liked hearing about `netstat -m` to see kernel memory used for networking. The book is also very lively for a system administration title.

I am a big fan of open source software. I've been a GNU/Linux user for years but I must admit I had never played with BSD before. I bought this book because I wanted to set up a network server at home and I thought it was the perfect occasion to try FreeBSD. I expected one of those thick and boring reference books but, hey! I am very glad I chose "*Absolute FreeBSD*" because it is the perfect example of how write a clear, informative, nice and accurate technical book. The book is not for the absolute beginner but, in general, it's very easy to read. It should be self-explanatory to anyone with a little experience in networking, UNIX-like systems or, in general, computer science. The author is a FreeBSD developer himself, so he talks about the inner workings of the FreeBSD community, providing an interesting point of view of the operating system, not only as a regular user but also as one of its "insiders". The book covers everything a BSD system administrator should know. It covers basic things like how to install the system, how to make backups and recover from data loss, how to configure the network, disk management, etc. It also includes detailed explanations and sysadmin tricks of the usual network services: DNS, SSH,

DHCP, FTP, printing server, web Server, mail Server... The author also gets into more advanced topics like, kernel tuning, security, performance analysis and tuning or RAID management. I was particularly interested in using hard disk encryption. I thought getting it was going to be a pain in the neck but the book explains how to do it with 6 simple commands. Nice! In general the book is well structured. Concepts are explained clearly and with a lot of examples.

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