



# **A Practical Guide to Linux Commands, Editors, and Shell Programming (2nd Edition)**

*Mark G. Sobell*

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# A Practical Guide to Linux Commands, Editors, and Shell Programming (2nd Edition)

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For use with all versions of Linux, including Ubuntu,<sup>™</sup> Fedora,<sup>™</sup> openSUSE,<sup>™</sup> Red Hat,<sup>®</sup> Debian, Mandriva, Mint, and now OS X, too!

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Packed with hundreds of high-quality, realistic examples, this book gives you Linux from the ground up: the clearest explanations and most useful knowledge about everything from filesystems to shells, editors to utilities, and programming tools to regular expressions. Sobell has also added an outstanding new primer on Perl, the most important programming tool for Linux admins seeking to automate complex, time-consuming tasks.

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- A start-to-finish primer on Perl for every system administrator
- In-depth coverage of basic and advanced Linux shell programming with **bash** and **tcsh**
- Practical explanations of 100 core utilities, from **aspell** to **xargs**—including Mac OS X specific utilities from **ditto** to **SetFile**
- All-new coverage of automating remote backups with **rsync**
- Dozens of system security tips, including step-by-step walkthroughs of implementing secure communications using **ssh** and **scp**
- Tips and tricks for customizing the shell and using it interactively from the command line
- Complete guides to high-productivity editing with both **vim** and **emacs**
- A comprehensive, 286-page command reference section—now with revised and expanded indexes for faster access to the information you need

- Instructions for updating systems automatically with **apt-get** and **yum**
- Dozens of exercises to help you practice and gain confidence
- And much more, including coverage of BitTorrent, **gawk**, **sed**, **find**, **sort**, **bzip2**, and regular expressions

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