

THE LINUX COMMAND LINE, 3RD EDITION. Copyright © 2026 by William Shotts.

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

Printed in the United States of America

First printing

29 28 27 26 25 1 2 3 4 5

ISBN-13: 978-1-7185-0452-3 (print)

ISBN-13: 978-1-7185-0453-0 (ebook)



Published by No Starch Press[®], Inc.
245 8th Street, San Francisco, CA 94103
phone: +1.415.863.9900
www.nostarch.com; info@nostarch.com

Publisher: William Pollock
Managing Editor: Jill Franklin
Production Manager: Sabrina Plomitallo-González
Production Editor: Jennifer Kepler
Developmental Editor: Jill Franklin
Cover Illustrator: Rob Fiore
Interior Design: Octopod Studios
Technical Reviewer: Mitch Frazier
Copyeditor: Kim Wimpsett
Indexer: BIM Creatives, LLC

The Library of Congress has catalogued the first edition as follows:

Shotts, William E.

The Linux command line: a complete introduction / William E. Shotts, Jr.

p. cm.

Includes index.

ISBN-13: 978-1-59327-389-7 (pbk.)

ISBN-10: 1-59327-389-4 (pbk.)

1. Linux. 2. Scripting Languages (Computer science) 3. Operating systems (Computers) I. Title.

QA76.76.0635556 2011

005.4'32-dc23

2011029198

For customer service inquiries, please contact info@nostarch.com. For information on distribution, bulk sales, corporate sales, or translations: sales@nostarch.com. For permission to translate this work: rights@nostarch.com. To report counterfeit copies or piracy: counterfeit@nostarch.com. The authorized representative in the EU for product safety and compliance is EU Compliance Partner, Pärnu mnt. 139b-14, 11317 Tallinn, Estonia, hello@eucompliancepartner.com, +3375690241.

No Starch Press and the No Starch Press iron logo are registered trademarks of No Starch Press, Inc. Other product and company names mentioned herein may be the trademarks of their respective owners. Rather than use a trademark symbol with every occurrence of a trademarked name, we are using the names only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

The information in this book is distributed on an “As Is” basis, without warranty. While every precaution has been taken in the preparation of this work, neither the author nor No Starch Press, Inc. shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in it.

[D]