

Editorial Board

John Baldwin • Member of the FreeBSD Core Team and Chair of FreeBSD Journal Editorial Board

Tom Jones • FreeBSD Developer, Internet Engineer and Researcher at the University of Aberdeen

Ed Maste • Senior Director of Technology, FreeBSD Foundation and Member of the FreeBSD Core Team

Benedict Reuschling • FreeBSD Documentation Committer and Member of the FreeBSD Core Team

Jason Tubnor • BSD Advocate, Senior Security Lead at Latrobe Community Health Service (NFP/NGO), Victoria, Australia

Mariusz Zaborski • FreeBSD Developer

Advisory Board

Anne Dickson • Director of Communications, Events, and Operations, FreeBSD Foundation

Justin Gibbs • Founder of the FreeBSD Foundation, President and Treasurer of the FreeBSD Foundation Board

Allan Jude • CTO at Klara Inc., the global FreeBSD Professional Services and Support company

Dru Lavigne • Author of *BSD Hacks* and *The Best of FreeBSD Basics*

Michael W Lucas • Author of more than 40 books including *Absolute FreeBSD*, the *FreeBSD Mastery* series, and *git commit murder*

Kirk McKusick • Lead author of *The Design and Implementation* book series

George Neville-Neil • Past President of the FreeBSD Foundation Board, and co-author of *The Design and Implementation of the FreeBSD Operating System*

Hiroki Sato • Director of the FreeBSD Foundation Board, Chair of AsiaBSDCon, and Assistant Professor at Tokyo Institute of Technology

Robert N. M. Watson • Director of the FreeBSD Foundation Board, Founder of the TrustedBSD Project, and University Senior Lecturer at the University of Cambridge

S&W PUBLISHING LLC

PO BOX 3757 CHAPEL HILL, NC 27515-3757

Editor-at-Large • James Maurer
maurer.jim@gmail.com

Design & Production • Reuter & Associates

FreeBSD Journal (ISBN: 978-0-61 5-88479-0) is published 6 times a year (January/February, March/April, May/June, July/August, September/October, November/December).

Published by the FreeBSD Foundation,
3980 Broadway St. STE #103-107, Boulder, CO 80304
ph: 720/207-51 42 • fax: 720/222-2350
email: info@freebsd.foundation.org

Copyright © 2024 by FreeBSD Foundation. All rights reserved.
This magazine may not be reproduced in whole or in part without written permission from the publisher.

LETTER from the Foundation

Dear Readers,

Welcome to the 2024 May/June issue! As I'm writing this, I'm listening to the FreeBSD Day livestreams from community members. It's been interesting hearing the different stories on how folks got involved, how they are using or contributing to FreeBSD, and what they are excited about in the FreeBSD world.

The best part is hearing their love and passion for FreeBSD. In this issue, authors span a range of experiences with the Project, from a recent GSoC participant to a few folks who have decades of experience with FreeBSD. Even though they have different experience levels, they share their knowledge and dedication on topics they have experience in.

Though this issue doesn't focus on FreeBSD Day, if you missed the recent celebrations, you can visit our [FreeBSD Day](#) page to see all the live streams and other related content.

I don't like to play favorites on authors or subjects, but I am keen on reading Warner's article on Submitting GitHub Pull Requests to FreeBSD because I personally want to start contributing to FreeBSD documentation. Maybe I'll write an article about that experience!

I want to mention one more thing. Many of you already know about the sudden passing of Mike Karels. It's a great loss for this community. I always saw him as a gentle soul, deeply connected to the history of FreeBSD while also being involved in its current development and support. Recently, Mike took on the role of Deputy Release Engineer to support Colin in his new position as Lead Release Engineer. In memory of Mike, I'd like to ask everyone to reach out to others in the community with kindness. Let's lend a helping hand to support each other and fill in the gaps — as Mike did — in this wonderful Project. Although we can never replace Mike, we can continue to carry on his passion for FreeBSD and keep his memory alive.

I hope you enjoy this issue!

Deb Goodkin

FreeBSD Foundation Executive Director