Events Calendar
BSD Events taking place through October 2020
BY ANNE DICKISON

FreeBSD Fridays: A Series of 101 Classes
Take place every other Friday, beginning July 17, 10 a.m. PDT/17:00 UTC
VIRTUAL

Please continue to join us for our expanded series of virtual 101 classes. We're continuing to build our FreeBSD Fridays content to offer one-hour live sessions designed to get you started with FreeBSD. Our past classes, still available for viewing, are listed at the end.

September 25: Introduction to Jails — Michael W Lucas
Jails are widely considered one of FreeBSD's killer features, but they're widely misunderstood. This talk takes you through how jails work, what they can and can't do, and how to decide how jails fit into your environment.

We'll discuss:
- Jails as VMs
- Configuring the jail host
- Properties and parameters
- Jail management
- Packages and upgrades
- Base jails
- Virtual networking with VNET
- Firewalls in jails
- Jails in jails
- Resource restrictions

Past classes include:
July 17: Introduction to FreeBSD — Deb Goodkin
Foundation Executive Director walks you through the history of FreeBSD, how the FreeBSD Project works, and how to get started as a contributor.

July 24: FreeBSD InstallFest Part 1 — Roller Angel
In part one of the FreeBSD InstallFest, Roller Angel takes you through the process of downloading, installing, and configuring your FreeBSD instance on a virtual machine.

July 31: FreeBSD InstallFest Part 2 — Roller Angel
In part two of the FreeBSD InstallFest, Roller Angel takes you through the process of setting up the desktop and connecting to the Internet with a web browser.

August 7: History of BSD Fast Filesystem — Dr. Marshall Kirk McKusick
This FreeBSD Friday installment is a little different. We're working in collaboration with the USENIX Association and Dr. Marshall Kirk McKusick to bring you the History of the BSD Fast Filesystem. Kirk begins the session with a brief introduction, followed by the USENIX FAST '15 keynote: A Brief History of the BSD Filesystem. Following the presentation, Kirk is back for a live Q&A.

Events Calendar

August 14: Introduction to ZFS — Dan Langille

Dan Langille takes you through the basics of ZFS including:

- A short history of the origins
- An overview of how ZFS works
- Replacing a failed drive
- Why you don't want a RAID card
- Scalability
- Data integrity (detection of file corruption)
- Why you'll love snapshots
- Sending of filesystems to remote servers
- Creating a mirror
- How to create a ZFS array with multiple drives which can lose up to 3 drives without loss of data
- Mounting datasets anywhere in other datasets
- Using ZFS to save your current install before upgrading it
- Simple recommendations for ZFS arrays
- Why single drive ZFS is better than no ZFS
- No, you don't need ECC
- Quotas
- Monitoring ZFS

August 28: Introduction to FreeBSD Security — Antranig Vartanian

FreeBSD is known for its stability and security. Many people know about the firewalls that come with it; however, other subsystems like audit and MAC can give value both long-term and short-term as well! This talk takes you through the IPFW firewall for workstations and server, Security Event Auditing, and where to go beyond that.

We discuss:

- Firewalls in FreeBSD
- IPFW for workstations
- IPFW custom rules
- Security Event Auditing
- BSM Setup
- What's else in FreeBSD Security?

September 11: Introduction to Hardware Hacking with Raspberry Pi — Tom Jones

This is an introduction to FreeBSD running on the Raspberry Pi and will cover interfacing with hardware like LEDs and switches.

FreeBSD Office Hours

https://wiki.freebsd.org/OfficeHours

Next scheduled is September 19, 2020, 7 a.m. to 2 p.m. PDT/14:00 to 21:00 UTC
Topic: Bug squash. Hackathon focused on closing PRs.
Facilitator(s): Tom Jones and Allan Jude
Join members of the FreeBSD community for FreeBSD Office Hours. From general Q&A to topic-based demos and tutorials, Office Hours is a great way to get answers to your FreeBSD-related questions. Past episodes can be found at the FreeBSD YouTube Channel (https://www.youtube.com/c/FreeBSDProject).

Events Calendar

OpenZFS Developer Summit 2020
October 6-7, 2020
Virtual

The eighth annual OpenZFS Developer Summit, which will be a virtual event, held October 6-7, 2020. As with previous years: The goal of the event is to foster cross-community discussions of OpenZFS work and to make progress on some of the projects that have been proposed. This 2-day event consists of a day of presentation and a 1-day hackathon. The Foundation is pleased to be a Bronze Sponsor.

nerdear.la 2020
October 20-24, 2020
Virtual

Building on the success of 2019. nerdear. la will be an online event dedicated to the popularization and advancement of science and technology. Members of the Foundation team will present a brief history of the Project and where it is today, and what the future might hold.

Write For Us!

Contact Jim Maurer with your article ideas.
(jmaurer@freebsdjournal.com)