

Supporting the FreeBSD Community
World Wide for Over 14 years



The
FreeBSD
FOUNDATION

FreeBSD Foundation August Update

As summer comes to a close, we wanted share some of the latest project updates and introduce new initiatives we're taking on in early fall. From the latest issue of the *FreeBSD Journal* to our first-time visit to Grace Hopper, The Foundation is working hard to help keep the FreeBSD community informed and growing. Please take a minute to read about what we've been up to and hear from those leading the charge.

Deb



FreeBSD® Development Projects Update

This is the second installment of our monthly project update, providing highlights on Foundation staff projects, funded development contracts, or upcoming investigations.

Ongoing project development has continued apace. Foundation staff member Glen Barber started the FreeBSD 10.1 release engineering process, with the release itself due out this fall.

A few ongoing Foundation-supported projects will be included in the 10.1 release, and are in the process of being merged to the FreeBSD 10 development branch. The first of these is the vt(4) system console, which is already merged and will be available for boot-time selection in FreeBSD 10.1. The initial UEFI boot support will be merged shortly.

We received valuable review and test results on Edward Napiera's autofs-based automounter, and it is now committed to the FreeBSD development branch.

Konstantin Belousov continued committing a stream of bug fixes and improvements to the virtual memory and filesystem kernel subsystems. Some of these are derived from work in the PostgreSQL on FreeBSD performance investigation.

Thank you for your interest, and look for some exciting announcements to come in the near future.

contributed by Ed Maste

Upcoming Events

[Fossetcon 2014](#)

Sept. 11-13, 2014
Orlando, FL

[EuroBSD 2014](#)

Sept. 25-28, 2014
Sofia, Bulgaria

[USENIX Diversity '14](#)

October 5, 2014
Broomfield, CO

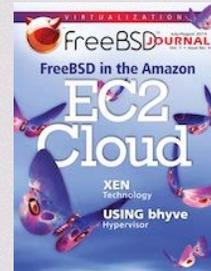
[USENIX OSDI '14](#)

October 6-8, 2014
Broomfield, CO

[Grace Hopper Celebration 2014](#)

October 8-10, 2014
Phoenix, AZ

FreeBSD Journal



The latest issue of the FreeBSD Journal is now available! The July/August issue is all about FreeBSD and Virtualization.



Voices From The Community: An Interview with Dru Lavigne

In an effort to gain a better perspective on the state of the FreeBSD community and what drives someone to join, we've asked active community members to answer a few questions. Below you'll find the first in a series of interviews, this time with Dru Lavigne, Director of Community Development at iX Systems and member of the FreeBSD Foundation board.

What attracted you to FreeBSD?

The friendliness and helpfulness of the community. One of the first questions I asked on a public mailing list was answered by a senior member of the community and I thought it was pretty cool that someone who had obviously been around so long and done so much was willing to take the time to help someone who just as obviously didn't know what they were doing.

How did you get involved?

I started by lurking on the mailing lists until I felt more confident in what I was doing. I then started writing about how to use FreeBSD and eventually found myself with a doc commit bit.

Why did you get involved?

I wanted to learn some UNIX skills as I was just finishing a diploma program and was entering the job market.

Did you find it easy/hard to figure out how to get involved and where to start?

It was pretty easy as the FreeBSD website was pretty clear on how to get started on the mailing lists and what type of netiquette was expected. The FreeBSD Handbook was an excellent (free!) resource on learning how to do pretty much anything on FreeBSD.

Do you think the Project is welcoming to women?

I think it is welcoming to new users in general and doesn't really care if you're male or female. While it doesn't actively go looking for female users, it's culture is pretty intolerant of any type of abuse, particularly towards new users.

What are the pros and cons of being a woman involved with the FreeBSD Project?

I don't really think of myself as a woman involved with the Project, but rather as just another person who has the opportunity to contribute, learn, and interact with other people who have a shared interest in the Project.

Articles include topics such as FreeBSD on Amazon's EC2, and FreeBSD's own native virtualization system, bhyve.

See what others are saying about the Journal:

"Awesome! This is the best way to popularize FreeBSD!!" *San Jose, California*

"I've found it really practical, and great reading...it caters to all levels of users." *Brooklyn, NY*

"The content is SO GOOD! Everyone involved in BSD should read it." *Austin, TX*

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Why Choose FreeBSD?

"NYI is a data center provider that uses FreeBSD for all of its internal and customer-facing solutions for colocation and dedicated servers, cloud computing and managed services. Our initial choice of technology included commercial Unix systems tied to proprietary hardware. However, the cost and portability of FreeBSD were determining factors in our changing platforms early in our company's existence.

Since then, we have enjoyed the functionality and reliability of FreeBSD. We rely on it for networking duties like routers, VPNs, firewalls and traffic shapers, as well as web applications like shared hosting, backend interfaces, load balancers and



FreeBSD Foundation Donates and Installs New Hardware to Support The Project

In mid-July, FreeBSD Foundation Systems Administrator, Glen Barber, visited the colocation facility generously hosted by New York Internet, in Bridgewater, New Jersey. The purpose of this trip was to install hardware that the FreeBSD Foundation purchased to support the FreeBSD Project. Two of the new servers replaced existing routers. The existing routers in this facility each were equipped with dual network cards which cross-connected the two populated cabinets. Their replacements, each with dual, redundant network cards, allow the NYI site to be fully redundant, with one LAN port connected to each of the four cabinet switches, providing full redundancy across each cabinet.

In addition to the router hardware upgrade, eight additional machines were installed into the cabinets. Two machines have been allocated for Release Engineering, and two intended to serve as hypervisor hosts for various virtual machine software. With the hypervisor machines, we can now provide sandboxed environments for the FreeBSD developers to work on enhancing features and performance within virtualized environments. The remaining four machines will serve as a fully-redundant mirror to site at Yahoo!, Inc. eliminating downtime caused by a single point of (site) failure.

The FreeBSD Foundation is pleased to support the community by contributing items like this hardware that not only benefit FreeBSD Developers, but also users.

contributed by Glen Barber



Fundraising Update: Reaching New Milestones

Have you seen our fundraising meter lately? We are over half way towards our 2014 fundraising goal and have raised over \$596,000 this year! This time last year, we had raised only \$390,943.

Thank you to everyone who has made a donation. We couldn't do it without you!

Plus, it's only August! We still have many areas we want to support over the rest of the year including funding some major projects, sponsoring upcoming BSD-related conferences, adding the browser supported version of the FreeBSD Journal, organizing and running summits, visiting customers, and working on recruiting initiatives.

proxies. We particularly appreciate the community support and centralized documentation, which means that we do not have to hunt down bits and pieces of information, like we would with other projects.

– Phillip Koblence,
VP Operations, [NYI](#)

Here's how you can help:

- 1) You can make a donation.
- 2) You can spread the word of the important work we are doing to support and improve FreeBSD.
- 3) You can ask your employer to make a donation. Please let them know they can get their logo on our website with a donation of \$10,000 or more. For an even bigger incentive, these logos will soon rotate on our homepage. Our goal is to add 10 new corporate logos on our website by end of next quarter.

Providing this monthly Foundation Update helps us let you know where we've spent your money over the past month. From the new online journal to funding projects that make your job easier, your generosity is what fuels FreeBSD community success. Please consider helping us by donating today!

contributed by Deb Goodkin

Helping To Grow FreeBSD Day-By-Day

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