

# Empowering the FreeBSD Project

FreeBSD Foundation Update  
EuroBSDCon 2013



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# FreeBSD Foundation Project Roadmap

- Recent
  - IPv6 and Network Stack Performance
  - BSD Licensed Tool Chain
  - Auditdistd
  - NAND Flash File System
  - Unmapped I/O
  - UEFI Bootloader
  - ARM Reference Platform & “Super Page” Support
  - Doc Infrastructure Enhancements
- Active
  - In Kernel iSCSI Target and Initiator (iSER, iSER over iWARP)
  - KMS/GEM/DMA-buf (Modern X Support)
  - Capsicum Enhancements
- Planning
  - Virtual Dynamically linked Shared Objects (VDSO)
  - System/Regression Test infrastructure
  - Event and Fault Management Framework
  - Debugging Profiling Infrastructure (Audit/Dtrace/GDB replacement)
  - Port, Packaging, Installation and Upgrade Improvements



# FreeBSD Foundation Staffing Roadmap

- Recent
  - Two full time Technical Staff
    - Internal Projects
    - Release Engineering and Sec-Team Support
  - System Administrator
    - Release engineering and Cluster-Admin Support
  - Director of Technical Project Management
  - Administrative Assistant
- Planned
  - FreeBSD Project Administrative Assistant
  - Marketing/Fundraising



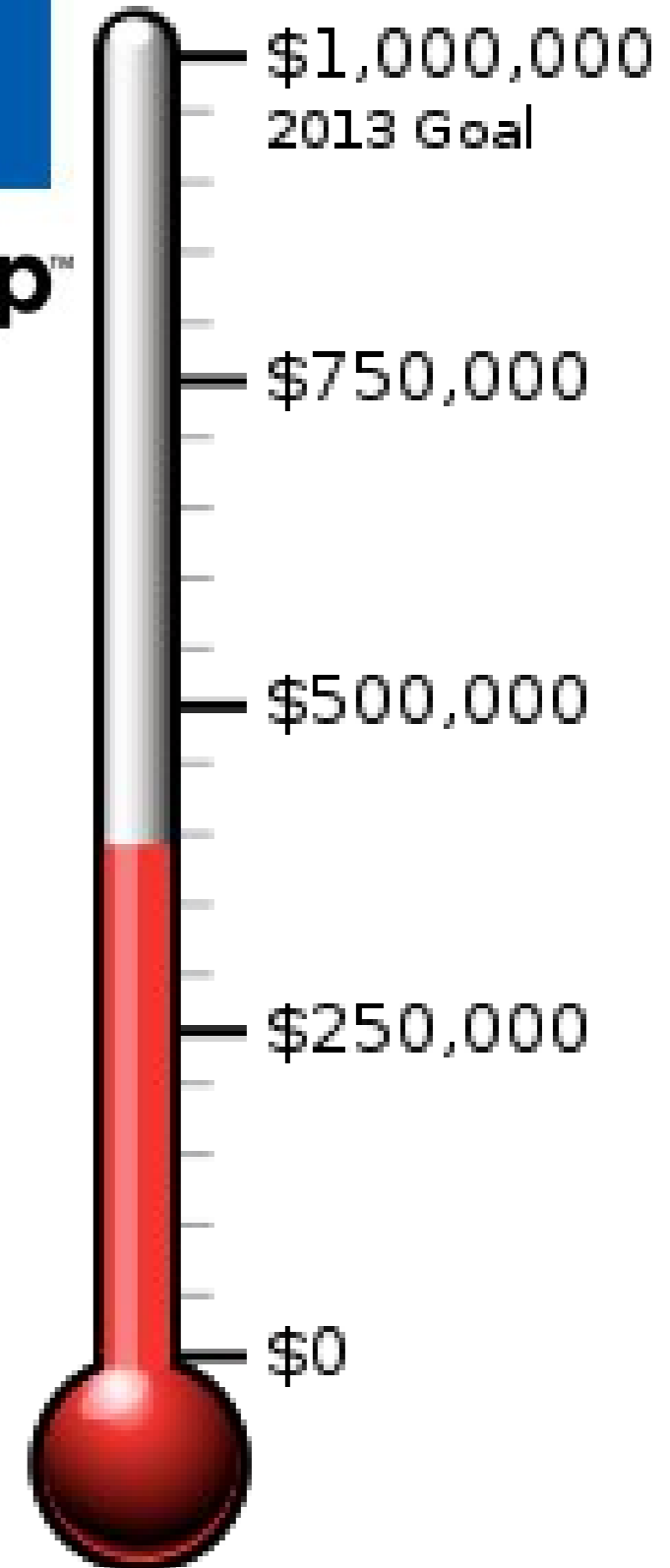
# Funding



NetApp™

- 100% donor funded
- \$1.5M+ raised in the last 3 years
- Raise \$1M spend \$1M for 2013

590  
Donors



hudson river trading



CURRENT  
\$396,908



# BSD Consulting, Inc.

- In Japan, IT is outsourced
- Japanese software industry is import-dependent.
- Universal Shell Programming Laboratory needed commercial FreeBSD support and consulting
- Unicage Development Method
- Japanese documentation
- HW certification



# Discussion

- Infiniband
- Errata backports to -RELEASEs
- nanobsd
- ARM, MIPS as Tier-1 architectures
  - Ports cross-building
  - selfhosting
  - Get started documentation
- More translated documents, Foundation website
  - low hanging fruit
  - infrastructure
- Non-US testimonials
- Documentation
  - BSD for Linux users
  - “How the FreeBSD project works” slidedeck as article
  - press contacts
  - How to debug a kernel core
  - How to file a bug report



# Discussion

- PR triage
  - sysdiagnose
  - remote panic/kernel debugging over UDP
- Training
- Hackathons
- Java
- Improve NFS performance
- EC2 images available