

# Contributors to FreeBSD

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This article lists individuals and organizations who have made a contribution to FreeBSD.

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## 1 Donors Gallery

**Note:** As of 2010, the following section is several years out-of-date. Donations from the past several years appear here (<http://www.FreeBSD.org/donations/donors.html>).

The FreeBSD Project is indebted to the following donors and would like to publicly thank them here!

- *Contributors to the central server project:*

The following individuals and businesses made it possible for the FreeBSD Project to build a new central server machine, which has replaced `freefall.FreeBSD.org` at one point, by donating the following items:

- Ade Barkah <mbarkah@FreeBSD.org> and his employer, Hemisphere Online (<http://www.hemi.com/>), donated a *Pentium Pro (P6) 200MHz CPU*
  - ASA Computers (<http://www.asacomputers.com/>) donated a *Tyan 1662 motherboard*.
  - Joe McGuckin <joe@via.net> of ViaNet Communications (<http://www.via.net/>) donated a *Kingston ethernet controller*.
  - Jack O'Neill <jack@diamond.xtalwind.net> donated an *NCR 53C875 SCSI controller card*.
  - Ulf Zimmermann <ulf@Alameda.net> of Alameda Networks (<http://www.Alameda.net/>) donated *128MB of memory, a 4 Gb disk drive and the case*.
- *Direct funding:*
- The following individuals and businesses have generously contributed direct funding to the project:
- Annelise Anderson <ANDRSN@HOOVER.STANFORD.EDU>
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  - Epilogue Technology Corporation (<http://www.epilogue.com/>)
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  - Dmitry S. Kohmanyuk <dk@dog.farm.org>
  - Laser5 (<http://www.cdrom.co.jp/>) of Japan (a portion of the profits from sales of their various FreeBSD CDROMs).
  - Fuki Shuppan Publishing Co. (<http://www.mmjp.or.jp/fuki/>) donated a portion of their profits from *Hajimete no FreeBSD* (FreeBSD, Getting started) to the FreeBSD and XFree86 projects.
  - ASCII Corp. (<http://www.ascii.co.jp/>) donated a portion of their profits from several FreeBSD-related books to the FreeBSD project.
  - Yokogawa Electric Corp (<http://www.yokogawa.co.jp/>) has generously donated significant funding to the FreeBSD project.
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  - Siemens AG (<http://www.siemens.de/>) via Andre Albsmeier <andre.albsmeier@mchp.siemens.de>
  - Chris Silva <ras@interaccess.com>

- *Hardware contributors:*

The following individuals and businesses have generously contributed hardware for testing and device driver development/support:

- BSDi for providing the Pentium P5-90 and 486/DX2-66 EISA/VL systems that are being used for our development work, to say nothing of the network access and other donations of hardware resources.
- Compaq (<http://www.compaq.com>) has donated a variety of Alpha systems to the FreeBSD Project. Among the many generous donations are 4 AlphaStation DS10s, an AlphaServer DS20, AlphaServer 2100s, an AlphaServer 4100, 8 500Mhz Personal Workstations, 4 433Mhz Personal Workstations, and more! These machines are used for release engineering, package building, SMP development, and general development on the Alpha architecture.
- TRW Financial Systems, Inc. provided 130 PCs, three 68 GB file servers, twelve Ethernets, two routers and an ATM switch for debugging the diskless code.
- Dermot McDonnell donated the Toshiba XM3401B CDROM drive currently used in freefall.
- Chuck Robey <[chuckr@glue.umd.edu](mailto:chuckr@glue.umd.edu)> contributed his floppy tape streamer for experimental work.
- Larry Altneu <[larry@ALR.COM](mailto:larry@ALR.COM)>, and Wilko Bulte <[wilko@FreeBSD.org](mailto:wilko@FreeBSD.org)>, provided Wangtek and Archive QIC-02 tape drives in order to improve the `wt` driver.
- Ernst Winter (Deceased (<http://berklx.org/ewinter/>)) contributed a 2.88 MB floppy drive to the project. This will hopefully increase the pressure for rewriting the floppy disk driver.
- Tekram Technologies (<http://www.tekram.com/>) sent one each of their DC-390, DC-390U and DC-390F FAST and ULTRA SCSI host adapter cards for regression testing of the NCR and AMD drivers with their cards. They are also to be applauded for making driver sources for free operating systems available from their FTP server <ftp://ftp.tekram.com/scsi/FreeBSD/>.
- Larry M. Augustin contributed not only a Symbios Sym8751S SCSI card, but also a set of data books, including one about the forthcoming Sym53c895 chip with Ultra-2 and LVD support, and the latest programming manual with information on how to safely use the advanced features of the latest Symbios SCSI chips. Thanks a lot!
- Christoph Kukulies <[kuku@FreeBSD.org](mailto:kuku@FreeBSD.org)> donated an FX120 12 speed Mitsumi CDROM drive for IDE CDROM driver development.
- Mike Tancsa <[mike@sentex.ca](mailto:mike@sentex.ca)> donated four various ATM PCI cards in order to help increase support of these cards as well as help support the development effort of the `netatm` ATM stack.

- *Special contributors:*

- BSDi (<http://www.osd.bsdi.com/>) (formerly Walnut Creek CDROM) has donated almost more than we can say (see the 'About the FreeBSD Project' section of the FreeBSD Handbook ([http://www.FreeBSD.org/doc/en\\_US.ISO8859-1/books/handbook/index.html](http://www.FreeBSD.org/doc/en_US.ISO8859-1/books/handbook/index.html)) for more details). In particular, we would like to thank them for the original hardware used for `freefall.FreeBSD.org`, our primary development machine, and for `thud.FreeBSD.org`, a testing and build box. We are also indebted to them for funding various contributors over the years and providing us with unrestricted use of their T1 connection to the Internet.
- The interface business GmbH, Dresden (<http://www.interface-business.de/>) has been patiently supporting Jörg Wunsch <[joerg@FreeBSD.org](mailto:joerg@FreeBSD.org)> who has often preferred FreeBSD work over paid work, and used to fall back

to their (quite expensive) EUnet Internet connection whenever his private connection became too slow or flaky to work with it...

- Berkeley Software Design, Inc. (<http://www.bsdi.com/>) has contributed their DOS emulator code to the remaining BSD world, which is used in the *doscmd* command.

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These are the people who have commit privileges and do the engineering work on the FreeBSD source tree. All core team members are also developers.

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## 6 Development Team: In Memoriam

During the many years that the FreeBSD Project has been in existence, sadly, some of our developers have passed away. Here are some remembrances.

*In rough reverse chronological order of their passing:*

- John Birrell <jb@FreeBSD.org> (1997 - 2009; RIP 2009)

John (<http://hub.opensolaris.org/bin/view/Community+Group+ogb/In+Memoriam>) made major contributions to FreeBSD, the best known of which is the import of the `dtrace(1)` code. John's unique sense of humor and plain-spokenness either ruffled feathers or made him quick friends. At the end of his life, he had moved to a rural area and was attempting to live with as minimal impact to the planet as possible, while at the same time still working in the high-tech area.

- Jean-Marc Zucconi <jmz@FreeBSD.org> (1994 - 2009; RIP 2009)

Jean-Marc ([http://www.obs-besancon.fr/article.php?id\\_article=323](http://www.obs-besancon.fr/article.php?id_article=323)) was an astrophysicist who made important contributions to the modeling of the atmospheres of both planets and comets at l'Observatoire de Besançon (<http://www.obs-besancon.fr/>) in Besançon, France. While there, he participated in the conception and construction of the Vega tricanal spectrometer that studied Halley's Comet. He had also been a long-time contributor to FreeBSD.

- Jun-ichiro Itoh <itojun@FreeBSD.org> (1997 - 2001; RIP 2008)

Known to everyone as itojun (<http://astralblue.livejournal.com/350702.html>), Jun-ichiro Hagino was a core researcher at the KAME Project (<http://www.kame.net/>), which aimed to provide IPv6 and IPsec technology in freely redistributable form. Much of this code was incorporated into FreeBSD. Without his efforts, the state of IPv6 on the Internet would be much different.

- Cameron Grant <cg@FreeBSD.org> (1999 - 2005; RIP 2005)

Cameron (<http://www.dbsi.org/cam/>) was a unique individual who contributed to the project despite serious physical disabilities. He was responsible for a complete rewrite of our sound system during the late 1990s. Many of those who corresponded with him had no idea of his limited mobility, due to his cheerful spirit and willingness to help others.

- Alan Eldridge <alane@FreeBSD.org> (2002 - 2003; RIP 2003)

Alan (<http://freebsd.kde.org/memoriam/alane.php>) was a major contributor to the KDE on FreeBSD group. In addition, he maintained many other difficult and time-consuming ports such as **autoconf**, **CUPS**, and **python**. Alan's path was not an easy one but his passion for FreeBSD, and dedication to programming excellence, won him many friends.

## 7 Derived Software Contributors

This software was originally derived from William F. Jolitz's 386BSD release 0.1, though almost none of the original 386BSD specific code remains. This software has been essentially re-implemented from the 4.4BSD-Lite release provided by the Computer Science Research Group (CSRG) at the University of California, Berkeley and associated academic contributors.

There are also portions of NetBSD and OpenBSD that have been integrated into FreeBSD as well, and we would therefore like to thank all the contributors to NetBSD and OpenBSD for their work.

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