

FreeBSD 5.3-BETA6 available

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2004-09/2251.html>

From: Scott Long (scottl_at_samsco.org)

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To: current@freebsd.org

The FreeBSD Release Engineering Team is proud to announce the availability of FreeBSD 5.3-BETA6. This is the sixth BETA of the 5.3 release cycle. It is intended for early adopters and those wishing to help find and/or fix bugs. The 5.3 release cycle will continue with weekly BETA builds while bugs are being fixed and features finalized. The schedule is at <http://www.freebsd.org/releases/5.3R/schedule.html>. Be sure to check the "Known issues" below, there are known problems still being worked on at this time.

IMPORTANT:

BIND9 is being imported and will be in the next and likely final beta, BETA7. Users of the named daemon should visit the ISC website for information about migrating to BIND9.

Fixes and Enhancements made since BETA5:

- Many USB device updates
- Fix a panic when unloading the `if_tap` module
- Fix a lock order reversal in the network `ioctl` code
- Fix a panic with PF
- Fix large UID and GID handling in `libarchive`
- The `PFIL_HOOKS` kernel option is now silently enabled by default.
- Various locking fixes to the network stack
- The `net.inet.ip.check_interface` `sysctl` is off by default now
- Fix a long-standing panic on i386 and amd64 SMP under extreme load
- Many fixes to `gvinum`
- The `README.html` files that are generated for each port are no longer installed. They can be found on the `disc2` live filesystem.
- Fix a rare panic on startup on i386 SMP
- Fix problem with multiple floppy drives all having the name `"/dev/fd0"`

Known issues in this release

- There are known data corruption issues with `gvinum`. Fixes are being tested now.
- There are several problems with the ATA driver that can result in

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system hangs at boot and erroneous disk failures. Fixes for these are being tested now and will be in the next BETA.

- Detaching a USB Hub device, including many keyboards and monitors, will trigger a panic. The fix for this is being tested and will be in the next BETA.
- The Synaptics Touchpad mouse support is known to have issues with responsiveness. It can be disabled with 'hint.psm.0.flags="0x200"' in "/boot/device.hints". This will be resolved for the release.
- There are reports of packet corruption with the nge(1) driver when the network stack is run without Giant. A fix is being tested.

A complete list of defects that will be fixed for the release can be found at <http://www.freebsd.org/releases/5.3R/todo.html>.

Availability:

For people wishing to upgrade older systems using cvsup(1) and the procedure described in src/UPDATING the CVS tag to use is RELENG_5 at this point. Note that like all RELENG_X branches this is an active development branch. We do not recommend those branches for normal use (for normal use RELENG_X_Y branches are more appropriate, e.g. RELENG_4_10 is the current stable branch).

As of this writing the following are available on ftp.freebsd.org along with some of the mirror sites:

alpha: all images available
amd64: all images available
i386: all images available
ia64: miniinst available
pc98: miniinst available
sparc64: all images available

MD5s for the builds that are complete at this time are:

MD5 (5.3-BETA6-alpha-bootonly.iso) = d466a7f804784fad845bb9c5c2f69d9c

MD5 (5.3-BETA6-alpha-disc1.iso) = bf3dc22140abe43c564f44c2b8d22a58

MD5 (5.3-BETA6-alpha-disc2.iso) = 814e2e1dc02bcde8e00b230a5734e36c

MD5 (5.3-BETA6-alpha-miniinst.iso) = f50bc98fc56c295e56ac59e50833ed3c

MD5 (5.3-BETA6-amd64-bootonly.iso) = a6fdd46c64f32ab154c50934255f1316

MD5 (5.3-BETA6-amd64-disc2.iso) = 9f15d66b13ccbfe1a3bd9dede08dfeff

MD5 (5.3-BETA6-amd64-miniinst.iso) = 864ad066ea17aa5e724b216a594a0aec

MD5 (5.3-BETA6-amd64-disc1.iso) = 52a17e83f4c0f3121a4db0e5d208a4e5

MD5 (5.3-BETA6-i386-bootonly.iso) = 17a194ba9beccd5075514d94b87c9035

MD5 (5.3-BETA6-i386-disc1.iso) = d6b2da7b6134da2e4beb7f09d658df2c

MD5 (5.3-BETA6-i386-disc2.iso) = 243af47dff5b3bd0e06fd37f529d642a

MD5 (5.3-BETA6-i386-miniinst.iso) = 31e0ded04415e337054c32a1d95db8d5

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MD5 (5.3-BETA6-ia64-bootonly.iso) = 53b95d1e940e2f55ac1e6f883a63f557

MD5 (5.3-BETA6-ia64-disc2.iso) = ce10109f514a1bcf231d40b57405e4b3

MD5 (5.3-BETA6-ia64-miniinst.iso) = 4410203b8b8b01600b86c3b3ece7f619

MD5 (5.3-BETA6-pc98-disc2.iso) = 4c3a24517ef20c081aab47e87d5382cf

MD5 (5.3-BETA6-pc98-miniinst.iso) = 6b745905e68af92e0b6825759f8a89d4

MD5 (5.3-BETA6-sparc64-bootonly.iso) = 6bdfadcc97ee1fcb86717ce301f3af65

MD5 (5.3-BETA6-sparc64-disc1.iso) = 32635c99e5db0d22f5bdb8d73f74c045

MD5 (5.3-BETA6-sparc64-disc2.iso) = 5b84f646968d363410dd06c51a681a3a

MD5 (5.3-BETA6-sparc64-miniinst.iso) = 0839853f14cb2866740babc09ba511c7

freebsd-current@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-current>

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