

What's cooking for HAIKU[®] R1/alpha4?

François Revol
2012-07-12

How does it taste?

- Free Software Operating System
 - MIT licensed
 - Lightweight
 - Desktop focused
 - Inspired by BeOS
 - Binary compatible for R1
- R1/alpha3 released 2011-06-20
- IEEE Spectrum article: [The Dawn of Haiku OS](#)



Look & Smell

- Deskbar
 - Resizable icons
- Improved notification visuals
- Updated BALM layout engine
- Mouse-wheel scrolls horizontally when over horizontal scroll-bar
- “Stack&Tile” now default



Applications

- Added Colors! Color-picker
- WebPositive added to trunk
 - Contract work with Alexandre Deckner
- More fixes (ShowImage, KeymapSwitcher, Icon-O-Matic...)



i18n

- Localization support added into Jamfile-engine
 - (Google Code-In 2011)
- Fully working multi-byte implementation
- Updated ICU library



More for Coderz

- POSIX RealTime signals support
- Improved layout API
- Improved GUI Debugger
- Kernel Debugging Land 2.0
 - QR-Code KDL logs!



kdebug> █

Improved Drivers



- Improved VESA resolution detection
- Update to Mesa 8.1
- Improved USB printer support
- ATI mach64/Rage (now with hardware overlay)
- radeon_hd (AtomBIOS), intel_extreme
- PS/2: Better support for touchpads

New Drivers!



- Graphics
 - Intel i810
- Network
 - pcnet (VirtualBox)
 - usb_davicom
 - dec21xxx (VirtualPC)

Even More Hardware Support

- HPET driver (for testing)
- SandyBridge (IronLake and up) support
- APIC/SMP fixes
- Reducing wake-up while idle by ~40%



Microwave

- Updated network drivers from FreeBSD 9.0
- IPv6 modules added to the build
- WEP/WPA/WPA2 support
 - Added wpa_suplicant as optional package
- Persistent (configured) wireless_networks



Even More Fixes

- BFS and checkfs improvements
 - A corrupted index can now be fixed
- Kernel fixes and improvements
 - port heap, vm...

Blockers



- cf. list on [trac...](#)
- Panics: [#8345](#), [#8028](#), [#5753](#), [#8442](#)
- 1 more high-priority: [#8664](#)
- 4 normal priority

Tea Time



- Google Summer of Code
 - x86_64, NFSv4, BFS resizing, OpenJDK, cpuidle...
- (Crypto)KeyRing app in the works
- Package Management still being worked on
- More work on xHCI support

Wanna Be Cooker Padawan?



- Read <http://www.haiku-os.org/>
- Try it...
- Report Bugs...
- Start Coding!
- Donate!