


# m0n0wall

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<b>Company / developer</b>	Manuel Kasper
<b>OS family</b>	FreeBSD (6.2-RELEASE)
<b>Working state</b>	Current
<b>Source model</b>	Free software
<b>Latest stable release</b>	1.32 / April 17, 2010
<b>Kernel type</b>	Monolithic kernel
<b>License</b>	BSD
<b>Official website</b>	<a href="http://m0n0.ch/wall/">http://m0n0.ch/wall/</a>

**m0n0wall** is an embedded firewall distribution of FreeBSD, one of the BSD operating system descendants. It provides a small image which can be put on Compact Flash cards as well as on CDRoms and hard disks. It runs on a number of embedded platforms and generic PCs. The PC version can be run with just a Live CD and a floppy disk to store configuration data, or on a single Compact Flash card (with an IDE adapter). This eliminates the need for a hard drive, which reduces noise and heat levels.

## Features

m0n0wall provides for a web-based configuration and uses PHP exclusively for the GUI and bootup configuration. Additionally, it adopts a single XML file for configuration parameters.

Some functions of m0n0wall are:

- Stateful packet filter firewall
  - IPsec and PPTP VPNs
  - Inbound and Outbound Network Address Translation
  - Captive portal
  - Traffic shaper
  - Inbound and Outbound port filtering
  - Support for 802.1q compatible VLANs
  - Multiple IP addresses on LAN and WAN ports
  - IPS
  - Replacement for commercial router
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## Inclusion in Commercial Products

m0n0wall is used in some commercial hardware platforms, including Netgate<sup>[1]</sup> and Logic Supply<sup>[2]</sup>.

## Derivatives

- m0n0wall mod<sup>[3]</sup>: Original m0n0wall with additional features (DHCP+PPTP, DHCP+PPPoE, static+PPPoE, L2TP for WAN interface, separated WAN eth interface).
- pfSense: Builds off of m0n0wall but focused towards full PC installations rather than the embedded hardware focus of m0n0wall.
- FreeNAS: Network-attached storage distro using FreeBSD 7.2 and the m0n0wall web GUI.
- AskoziaPBX: an embedded telephone system

## See also

- Untangle - Open Source Platform that runs 12 apps like firewall, spam blocker, virus blocker, webfilter & more
- Ipcop - Open Source Firewall

## External links

- m0n0wall<sup>[4]</sup>
- m0n0wall Mailing List<sup>[5]</sup>
- M0n0wall central management interface project<sup>[6]</sup>
- Review<sup>[7]</sup> at Linux.com
- m0n0wall mod<sup>[3]</sup>

## References

- [1] [http://www.netgate.com/product\\_info.php?products\\_id=312](http://www.netgate.com/product_info.php?products_id=312)
  - [2] <http://www.logicsupply.com/index.php>
  - [3] <http://code.google.com/p/m0n0wall-mod/>
  - [4] <http://m0n0.ch/wall/>
  - [5] <http://m0n0.ch/wall/list/>
  - [6] <http://m0n0wall-cmi.sourceforge.net/>
  - [7] <http://www.linux.com/articles/43495>
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# Article Sources and Contributors

**m0n0wall** *Source:* <http://en.wikipedia.org/w/index.php?oldid=375907788> *Contributors:* Aydiosmio, BonzoESC, CDN99, Cyraan, Dbenbenn, DevastatorIIC, DuoDeathscyther 02, EagleOne, Eequor, EmanWilm, Emj, Evercat, Feezo, Fernvale, FlashSheridan, Flydpnktrn, Gadago, Greenrd, Gwern, Informedbanker, JidGom, Jpfagerback, Jrenier, MMuzammils, Miami33139, Michael iedema, Nepenthes, Petri Krohn, R-alex-g, RedWolf, Ryan-a-g, SF007, SPUI, Sietse Snel, Suwatest, TheParanoidOne, Thumperward, TreyHarris, V.petcu, Whollabilla, Wizzy, Zak.I, 28 anonymous edits

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