

# IPv6 Firewalls

Some people have claimed that they cannot yet sell

IPv6 Internet access because there is no IPv6 firewall support. According to [this ICANN study](#) this is not quite true. At least 30% of the 42 vendors surveyed, had IPv6 support.

According to [this talk](#) many open-source and commercial firewalls supporting IPv6 are available.

- MFfirewall based on Linux is a free/opensource IPv6/IPv4 fully functional Firewall <http://code.google.com/p/mf-firewall/>
- m0n0wall is based on FreeBSD <http://m0n0.ch/wall/screenshots.php>
- pfSense is also based on FreeBSD <http://pfsense.com/index.php?id=26>
- FWBuilder is a management tool that builds filter setups for several different firewalls [http://www.fwbuilder.org/archives/cat\\_screenshots.html](http://www.fwbuilder.org/archives/cat_screenshots.html)
- Checkpoint FW1 NGX R65 on SecurePlatform supports IPv6
- FortiGate/Fortinet supports IPv6 in FortiOS 3.0 and up. Read [this technote for more info](#).
- Juniper SSG (formerly Netscreen) supports IPv6 in ScreenOS 5.4 and up.
- Cisco ASA (formerly PIX) supports IPv6 in version 7.0 and up (Does not currently support Failover)
- Stonesoft has committed to [rolling out IPv6 support in 2008](#) across its StoneGate product line.

Commercial firewall support may be lagging behind OS and router support, but not by much.

The Campus IPv6 Wiki has a more detailed rundown of IPv6 firewall testing and hints for their use [here](#).

You can [Build an IPv6 Firewall with OpenBSD](#).

You can [also build an IPv6 firewall with Windows Server 2008](#).

Vyatta and it's [open-source](#) core both fully support IPv6

ip6tables is used to build IPv6 firewalls in both openwrt and dd-wrt. Although dd-wrt and openwrt are built for wireless routers, you can turn off the wireless interface on these routers and use them as ethernet-to-ethernet routers.

DD-WRT supports IPv6 and runs on a [lot](#) of hardware, including the Linksys WRT 160N, IPv6 support is discussed [here](#). (IPv6 firewall support not in the GUI, only from command line as of March 2011)

OpenWRT also supports IPv6 with both tunnelling and native, and also runs on a [large amount of hardware](#), including both the Netgear WGR614L and Linksys WRT54GL. In the US, the WGR614L is stocked at [www.amazon.com](http://www.amazon.com) and the WRT54GL is stocked at Fry's Electronics and is available at [www.frys.com](http://www.frys.com) IPv6 support is discussed [here](#).

Read about other people's experience using an Enterprise IPv6 firewall/IDS <http://www3.ietf.org/proceedings/07mar/slides/v6ops-6/v6ops-6.ppt>