

# FreeBSD

FreeBSD is a 4.4BSD-Lite2 based operating system. It is free for all, and licensed under the BSD license. It contains a mature IPv6 stack. The first version to contain IPv6 support was FreeBSD 4, which included the [KAME](#) stack.

## Ports

Several ports to support IPv6 users are included in the FreeBSD ports collection, which includes a variety of free and open-source software. These include *net/sixxs-aiccu*, *net/ipv6calc*, *net/ipv6gen*, *net/radvd*, *net/gateway6*, *net/openvpn*, and more.

## Tunnel support

Several types of tunnels are supported. Generally, these use the **gif** or **tun** devices, depending on the type of tunnel used.

## Kernel drivers

IPv6 is supported in the GENERIC kernel which is installed when you install FreeBSD from release media. In order to explicitly compile IPv6 support into your kernel, the configuration must include the **INET6** option directive. You may also wish to include support for the **gif** or **faith** devices.

## Building ports and/or world

The following line can be added to your */etc/make.conf* to enable IPv6 by default when building ports or world:

- `WITH_IPV6='true'`

## Related pages

- [Linux or BSD 6to4 Relays](#)

## External links

- [FreeBSD official website](#)
- [The FreeBSD handbook section on IPv6](#)
- [A reference from O'Reilly](#) - Note: out-dated, references 6bone.