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Linux / FreeBSD: Multiple IP Addresses on One Interface

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Q. Can one Linux / BSD system respond to multiple IP address on a single Ethernet interface? I need to run multiple web sites and mod_ssl with a single server. How do I configure my box for multiple IP address?

A. Linux / UNIX and BSD like operating systems supports multiple IP address on a single interface using a feature called ip aliasing. You can add extra IP addresses with the ifconfig command. However, I recommend modifying configuration files so that operating system remember all ips after reboot.



[1]

See our previous FAQ and How-tos about IP aliasing:

1. [FreeBSD Setup 2 IP address on One NIC \(IP alias \)](#) ^[2]
2. [How to bind a range of IP's in Debian / Ubuntu Linux](#) ^[3]
3. [Red Hat / CentOS / Fedora Linux add multiple IP address](#) ^[4]

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URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/faq/category/networking/>

[2] FreeBSD Setup 2 IP address on One NIC (IP alias): <http://www.cyberciti.biz/tips/freebsd-how-to-setup-2-ip-address-on-one-nic.html>

[3] How to bind a range of IP's in Debian / Ubuntu Linux : <http://www.cyberciti.biz/faq/bind-alias-range-of-ip-address-in-linux/>

[4] Red Hat / CentOS / Fedora Linux add multiple IP address: <http://www.cyberciti.biz/faq/linux-creating-or-adding-new-network-alias-to-a-network-card-nic/#rhel>