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FreeBSD Jail Add Multiple IPv4 / IPv6 Address

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FreeBSD [1]

How do I add multiple IPv4 / Ipv6 inside jail?

FreeBSD does support Multi-IPv4/v6/no-IP jail and it was merged to STABLE release. You need to rebuild your kernel including jls(8) and to use the new features jail(8), jexec(8) and cpuset(1) with a new kernel. Another option is get FreeBSD 7.2 (RC1 or above) using cvsup [2], just do make buildworld. Here is what you need to put in /etc/rc.conf file for Multi-IPv4/v6/no-IP jail configuration for httpd jail (note there are 3 ips defined):

```
jail_enable="YES"
jail_list="httpd"
jail_httpd_rootdir="/iscsi/httpd"      # jail's root directory
jail_httpd_hostname="web01.cyberciti.com"  # jail's hostname
jail_httpd_ip="10.24.55.106,74.86.48.99,2607:f0d0:1002:11::4" # jail's multi IPs address
jail_smtpd_devfs_enable="YES"          # mount devfs in the jail
jail_smtpd_devfs_ruleset="devfsrules_jail" # devfs ruleset to apply to jail
```

Save and close the file. Restart jail service:

```
# /etc/rc.d/jail restart
```

To verify multiple IP, enter:

```
# jls -v
```

Sample output:

```
    JID  Hostname                    Path
         Name                        State
         CPUSetID
         IP Address(es)
     2   web01.cyberciti.com         /iscsi/httpd
                                     ALIVE
         2
         10.24.55.106
         74.86.48.99
         2607:f0d0:1002:11::4
```

From the man page:

> jail_httpd_ip is used to set to the primary IPv4 and/or IPv6 addresses assigned to the jail. The argument can be a sole address or a comma separated list of addresses. Additionally each address can be prefixed by the name of an interface followed by a pipe to overwrite jail__interface or jail_interface and/or suffixed by a netmask, prefixlen or prefix. In case no netmask, prefixlen or prefix is given, /32 will be used for IPv4 and /128 will be used for an IPv6 address. If no address is given for the jail then the jail will be started with no networking support.

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URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/category/freebsd/**
[2] cvsup: **http://www.cyberciti.biz/faq/freebsd-cvsup-update-system-applications/**