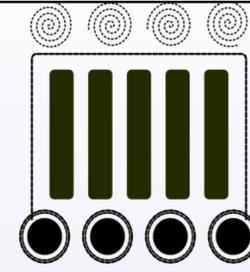


# FreeBSD Jails - Part V



These parameters are used to set up the jail environment, these command parameters usually run or specified when jails are created or removed.

`exec.*` command parameters accepts multiple values, these will run in sequence, all commands must succeed or jail will not be created or removed.

These commands to run in SYSTEM ENVIRONMENT.

`exec.prepare` - again this command will run in system environment to prepare a jail for creation.

These commands are executed before assigning IP addresses and mounting filesystems.

`exec.poststart` - These commands to run after a jail is created, and after any `exec.start` commands have completed.

`exec.poststop` - These commands to run after a jail is removed.

`exec.prestart` - These commands to run before a jail is created.

`exec.prestop` - These commands to run before a jail is removed.

`exec.system_user` - default is to run command as current user

`exec.created` - These commands to run right after a jail is created, but before commands (or service) get executed inside jail.

`exec.clean` - these commands will run in clean environment, environment is discarded except for HOME, SHELL, TERM and USER.

`exec.release` - These commands to run after all other actions are done, these commands are executed after unmounting filesystem and removing IP address.

These commands to run in JAIL ENVIRONMENT.

`exec.start` - command to run when jail is created, example "sh /etc/rc".

`exec.stop` - commands to run before jail is removed and after any `exec.prestop` commands have completed.

`exec.jail_user` - user to run command as, default is current user.

`exec.timeout` - amount of time to wait for command to complete in seconds. if command is still running jail will not be created to removed.

`exec.consolelog` - command output to file(stdout & stderr)

`exec.fib` - routing table to set when running commands inside the jail.

`exec.system_jail_user` - boolean option looks for the `exec.jail_user` in the system `passwd(5)` file instead of jails `passwd` file.

`stop.timeout` - max amount of time to wait for jail process to exit after sending them SIGTERM signal when `exec.stop` commands have completed, default is 10 seconds.

`ip4.addr` - an ip4 address to this jail.

`ip6.addr` - an ip6 address for this jail

`vnet.interface` - a network interface to give for vnet-enabled jail and will be released when jail is removed.

`interface` - a network interface to add jail ip address, alias will be added to interface and removed once jail is removed

`ip_hostname` - resolve the host.hostname and add all ip addresss returned by resolver to jail.

`mount` - a filesystem to mount before creating jail and unmount after removing it.

`mount.fstab` - `fstab(5)` format file containing filesystems to mount before creating jail.

`depend` - again this command will run in system environment to prepare a jail for creation.

`allow.dying` - allow making changes to dying jail.

`mount.devfs` - mount `devfs(5)` filesystem on the `chrooted /dev` directory and apply the ruleset in the `devfs_ruleset` parameter to restrict devices visible inside jail.

`mount.fdescfs` - mount `fdescfs(5)` fs on `chrooted /dev/fd` directory.

`command` - same as `exec.start` but used directly in command line.