NAME

radvd − router advertisement daemon for IPv6

SYNOPSIS

radvd [−vh] [−d *debuglevel* **] [−C** *configfile* **] [−p** *pidfile* **] [−m** *logmethod* **] [−l** *logfile* **] [−f** *facility* **] [−t** *chrootdir* **] [−u** *username* **]**

DESCRIPTION

radvd is the router advertisement daemon for IPv6. It listens to router solicitations and sends router advertisements as described in "Neighbor Discovery for IP Version 6 (IPv6)" (RFC 2461). With these advertisements hosts can automatically configure their addresses and some other parameters. They also can choose a default router based on these advertisements.

Note that if debugging is not enabled, **radvd** will not start if IPv6 forwarding is disabled. IPv6 forwarding can be controlled via sysctl(8), **net.ipv6.conf.all.forwarding** on Linux or **net.inet6.ip6.forwarding** on BSD.

Similarly, the configuration file must not be writable by others, and if non-root operation is requested, not even by self/own group.

OPTIONS

For every one character option there is also a long option, which is listed right next to the "short" option name:

−v, **−−version**
Displays the version of *radvd* and then aborts.

−h, **−−help**
Displays a short usage description and then aborts.

−d debuglevel, **−−debug** debuglevel
With this option you turn on debugging information. The debugging level is an integer in the range from 1 to 4, from quiet to very verbose. A debugging level of 0 completely turns off debugging. If a debugging level greater than 0 is used, *radvd* doesn't background itself on start. The default debugging level is 0.

−C configfile, **−−config** configfile
Specifies an alternate config file. Normally the compiled in default */etc/radvd.conf* is used.

−p pidfile, **−−pidfile** pidfile
Specifies an alternate pidfile. Normally the compiled in default */var/run/radvd.pid* is used.

−m method, **−−logmethod** method
Specifies the logging method to use. Possibly values are:

none Completely disables any logging.

logfile Logs to the logfile which is specified by the *−l* option. If no logfile is specified on the command line, then a compiled in default is used (see next option).

stderr Logs to standard error.

syslog Logs to syslog (default method).

−l logfile, **−−logfile** logfile
Specifies the logfile to use when using the logging method *logfile*. The default logfile is */var/log/radvd.log*.

−f facility, **−−facility** facility
Specifies the facility (as an integer) when using syslog logging. Default is LOG_DAEMON.

−t chrootdir, **−−chrootdir** chrootdir
If specified, switches to *chrootdir* before doing anything else. This directory and its subdirectories must have been populated first. For security reasons, *−u* must always be used when using *chrootdir*.

Note that on Linux *radvd* requires access to the */proc* filesystem, so it is more challenging to set up the chroot environment.

−u username, **−−username** username
If specified, drops root privileges and changes user ID to *username* and group ID to the primary group of *username*. This is recommended for security reasons. You might also need to use *−p* to point to a file in a *username* -writable directory (e.g. /var/run/radvd/radvd.pid).

FILES

/usr/sbin/radvd
/etc/radvd.conf
/var/run/radvd.pid
/var/log/radvd.log

BUGS

There certainly are some bugs. If you find them or have other suggestions please contact Nathan Lutchansky <lutchann@litech.org> or Pekka Savola <pekkas@netcore.fi>.

SEE ALSO

radvd.conf(5), **radvdump**(8)

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