

NAME

avahi-daemon – The Avahi mDNS/DNS-SD daemon

SYNOPSIS

avahi-daemon [*options*]

avahi-daemon --kill

avahi-daemon --reload

avahi-daemon --check

DESCRIPTION

The Avahi mDNS/DNS-SD daemon implements Apple's Zeroconf architecture (also known as "Rendezvous" or "Bonjour"). The daemon registers local IP addresses and static services using mDNS/DNS-SD and provides two IPC APIs for local programs to make use of the mDNS record cache the avahi-daemon maintains. First there is the so called "simple protocol" which is used exclusively by avahi-dnscconfd (a daemon which configures unicast DNS servers using server info published via mDNS) and nss-mdns (a libc NSS plugin, providing name resolution via mDNS). Finally there is the D-Bus interface which provides a rich object oriented interface to D-Bus enabled applications.

Upon startup avahi-daemon interprets its configuration file */etc/avahi/avahi-daemon.conf* and reads XML fragments from */etc/avahi/services/*.service* which may define static DNS-SD services. If you enable **publish-resolv-conf-dns-servers** in *avahi-daemon.conf* the file */etc/resolv.conf* will be read, too.

OPTIONS

-f | **--file=** *FILE*

Specify the configuration file to read. (default: */etc/avahi/avahi-daemon.conf*)

-D | **--daemonize**

Daemonize after startup. Implies **--syslog**.

-s | **--syslog**

Log to syslog instead of STDERR. Implied by **--daemonize**.

--debug

Increase verbosity to debug level.

--no-rlimits

Don't enforce resource limits as specified in the configuration file. (See **setrlimit(2)** for more information)

--no-drop-root

Don't drop root privileges after startup and don't require daemon to be started as root. We recommend not to use this option.

--no-chroot

Don't **chroot(2)** the daemon. This option is only available when compiled with chroot() support.

--no-proc-title

Don't change the process name while running. Unless this option is specified avahi-daemon will reflect its current state and the selected host name in the process title.

-k | **--kill**

Kill an already running avahi-daemon. (equivalent to sending a SIGTERM)

-r | **--reload**

Tell an already running avahi-daemon to reread */etc/resolv.conf* (in case you enabled **publish-resolv-conf-dns-servers** in *avahi-daemon.conf*) the files from */etc/avahi/services/*. Please note that this will not reload the */etc/avahi/avahi-daemon.conf*. (equivalent to sending a SIGHUP)

-c | --check

Return 0 as return code when avahi-daemon is already running.

-h | --help

Show help

-v | --version

Show version information

FILES

/etc/avahi/avahi-daemon.conf: the default configuration file for avahi-daemon, **avahi-daemon.conf(5)** for more information.

/etc/avahi/hosts: additional static hostname mappings to publish in mDNS, see **avahi.hosts(5)** for more information.

/etc/avahi/services/.service*: static service definitions, see **avahi.service(5)** for more information.

SIGNALS

SIGINT, *SIGTERM*: avahi-daemon will shutdown. (Same as **--kill**).

SIGHUP: avahi-daemon will reload unicast DNS server data from */etc/resolv.conf* and static service definitions from */etc/avahi/services/*. (Same as **--reload**)

SIGUSR1: avahi-daemon will dump local and remote cached resource record data to syslog.

AUTHORS

The Avahi Developers <avahi (at) lists (dot) freedesktop (dot) org>; Avahi is available from **<http://avahi.org/>**

SEE ALSO

avahi-daemon.conf(5), **avahi.hosts(5)**, **avahi.service(5)**, **avahi-dnscconfd(8)**, **avahi-set-host-name(1)**

<http://avahi.org/wiki/AvahiAndUnicastDotLocal> documents the problems when using Avahi in a unicast DNS zone *.local*.

COMMENTS

This man page was written using **xml2man(1)** by Oliver Kurth.