ipsec(8) - Linux man page

Name

ipsec - invoke IPsec utilities

Synopsis

ipsec *command* [*argument*...] *ipsec* --help

> *ipsec* --version
> *ipsec* --versioncode
> *ipsec* --copyright
> *ipsec* --directory
> *ipsec* --confdir

Description

Ipsec invokes any of several utilities involved in controlling the IPsec encryption/authentication system, running the specified *command* with the specified *argument*s as if it had been invoked directly. This largely eliminates possible name collisions with other software, and also permits some centralized services.

In particular, **ipsec** supplies the invoked *command* with a suitable PATH environment variable, and also provides IPSEC_DIR, IPSEC_CONFS, and IPSEC_VERSION environment variables, containing respectively the full pathname of the directory where the IPsec utilities are stored, the full pathname of the directory where the configuration files live, and the IPsec version number.

ipsec --help lists the available commands. Most have their own manual pages, e.g. **ipsec_auto**(8) for *auto*.

ipsec --version outputs version information about Linux FreeS/WAN. A version code of the form ''U*xxx*/K*yyy*'' indicates that the user-level utilities are version *xxx* but the kernel portion appears to be version *yyy* (this form is used only if the two disagree).

ipsec --versioncode outputs *just* the version code, with none of **--version**'s supporting information, for use by scripts.

ipsec --copyright supplies boring copyright details.

ipsec --directory reports where **ipsec** thinks the IPsec utilities are stored.

ipsec --confdir reports where **ipsec** thinks the IPsec configuration files are stored.

Files

/usr/local/lib/ipsec usual utilities directory

Environment

The following environment variables control where FreeS/WAN finds its components. The **ipsec** command sets them if they are not already set.

> IPSEC_EXECDIR
>
> directory containing published commands
>
> IPSEC_LIBDIR
>
> directory containing internal executables
>
> IPSEC_SBINDIR
>
> directory containing **ipsec** command
>
> IPSEC_CONFS
>
> directory containing configuration files

See Also

ipsec.**conf**(5), ipsec.**secrets**(5), **ipsec_auto**(8), **ipsec_barf**(8), **ipsec_setup**(8), **ipsec_showdefaults**(8), **ipsec_showhostkey**(8)

HTML documentation shipped with the release, starting with *doc/index.html*. <**http://www.freeswan.org/doc.html**> may also be of use.

History

Written for Linux FreeS/WAN <**http://www.freeswan.org**> by Henry Spencer.

Bugs

The provision of centralized services, while convenient, does compromise the original concept of making the utilities invocable directly as well as via **ipsec**.

Referenced By

ipsec.conf(5), **ipsec.secrets**(5), **ipsec__confread**(8), **ipsec__copyright**(8), **ipsec__include**(8), **ipsec__keycensor**(8), **ipsec__plutoload**(8), **ipsec__plutorun**(8), **ipsec__realsetup**(8), **ipsec__secretcensor**(8), **ipsec__startklips**(8), **ipsec__updown**(8), **ipsec__updown.bsdkame**(8), **ipsec__updown.netkey**(8), **ipsec_eroute**(5), **ipsec_eroute**(8), **ipsec_ipsec.conf**(5), **ipsec_ipsec_pluto**(8), **ipsec_ipsec_spi**(5), **ipsec_ipsec_spi**(8), **ipsec_klipsdebug**(5), **ipsec_klipsdebug**(8),

ipsec_look(8), **ipsec_pf_key**(5), **ipsec_pf_key**(8), **ipsec_pluto**(8), **ipsec_policy**(8), **ipsec_selinux**(8), **ipsec_showpolicy**(8), **ipsec_spi**(5), **ipsec_spi**(8), **ipsec_spigrp**(5), **ipsec_spigrp**(8), **ipsec_tncfg**(5), **ipsec_tncfg**(8), **ipsec_trap_count**(5), **ipsec_trap_sendcount**(5), **ipsec_version**(5), **strongswan.conf**(5), **strongswan__updown**(8), **strongswan__updown_espmark**(8), **strongswan_ipsec.conf**(5), **strongswan_ipsec.secrets**(5), **strongswan_pluto**(8)