

ipsec__updown(8) - Linux man page

Name

ipsec__updown - kernel and routing manipulation script

Synopsis

_updown is invoked by pluto when it has brought up a new connection. This script is used to insert the appropriate routing entries for IPsec operation on some kernel IPsec stacks, such as KLIPS and MAST, and may do other necessary work that is kernel or user specific, such as defining custom firewall rules. The interface to the script is documented in the pluto man page.

Variables

The *_updown* is passed along a number of variables which can be used to act differently based on the information:

PLUTO_VERSION

indicates what version of this interface is being used. This document describes version 1.1. This is upwardly compatible with version 1.0.

PLUTO_VERB

specifies the name of the operation to be performed, which can be one of **prepare-host**, **prepare-client**, **up-host**, **up-client**, **down-host** or **down-client**. If the address family for security gateway to security gateway communications is IPv6, then a suffix of -v6 is added to this verb.

PLUTO_CONNECTION

is the name of the connection for which we are routing.

PLUTO_NEXT_HOP

is the next hop to which packets bound for the peer must be sent.

PLUTO_INTERFACE

is the name of the ipsec interface to be used.

PLUTO_ME

is the IP address of our host.

PLUTO_MY_CLIENT

is the IP address / count of our client subnet. If the client is just the host, this will be the host's own IP address / max (where max is 32 for IPv4 and 128 for IPv6).

PLUTO_MY_CLIENT_NET

is the IP address of our client net. If the client is just the host, this will be the host's own IP address.

PLUTO_MY_CLIENT_MASK

is the mask for our client net. If the client is just the host, this will be 255.255.255.255.

PLUTO_PEER

is the IP address of our peer.

PLUTO_PEER_CLIENT

is the IP address / count of the peer's client subnet. If the client is just the peer, this will be the peer's own IP address / max (where max is 32 for IPv4 and 128 for IPv6).

PLUTO_PEER_CLIENT_NET

is the IP address of the peer's client net. If the client is just the peer, this will be the peer's own IP address.

PLUTO_PEER_CLIENT_MASK

is the mask for the peer's client net. If the client is just the peer, this will be 255.255.255.255.

PLUTO_MY_PROTOCOL

lists the protocols allowed over this IPsec SA.

PLUTO_PEER_PROTOCOL

lists the protocols the peer allows over this IPsec SA.

PLUTO_MY_PORT

lists the ports allowed over this IPsec SA.

PLUTO_PEER_PORT

lists the ports the peer allows over this IPsec SA.

PLUTO_MY_ID

lists our id.

PLUTO_PEER_ID

lists our peer's id.

PLUTO_PEER_CA

lists the peer's CA.

See Also

[**ipsec**\(8\)](#), [**ipsec_pluto**\(8\)](#).

History

Man page written for the Linux FreeS/WAN project <<http://www.freeswan.org/>> by Michael Richardson. Original program written by Henry Spencer.