

NAME

ip6addrctl - configure address selection policy for IPv6 and IPv4

SYNOPSIS

ip6addrctl [**show**]

ip6addrctl add *prefix precedence label*

ip6addrctl delete *prefix*

ip6addrctl flush

ip6addrctl install *configfile*

DESCRIPTION

The **ip6addrctl** utility manages the policy table of source and destination address selection for outgoing IPv4 and IPv6 packets. When **ip6addrctl** is invoked without an argument or with a single argument **show**, it prints the content of the policy table currently installed in the kernel.

To modify the table, the following operations are available:

add *prefix precedence label*

Add a policy entry. The *prefix* argument is an IPv6 prefix, which is a key for the entry. An IPv4 prefix should be specified with an IPv6 prefix using an IPv4-mapped IPv6 address. The *precedence* and *label* arguments are decimal numbers, which specify the precedence and label values for the entry, respectively. This operation should be performed without an existing entry for the prefix.

delete *prefix*

Delete a policy entry specified by *prefix*, which should be an IPv6 prefix. A corresponding entry for the prefix should have already been installed.

flush Delete all existing policy entries in the kernel.

install *configfile*

Install policy entries from a configuration file named *configfile*. The configuration file should contain a set of policy entries. Each entry is specified in a single line which contains an IPv6 prefix, a decimal precedence value, and a decimal label value, separated with white space or tab characters. In the configuration file, lines beginning with the pound-sign ('#') are comments and are ignored.

EXIT STATUS

The **ip6addrctl** utility exits 0 on success, and >0 if an error occurs.

SEE ALSO

Richard Draves, *Default Address Selection for IPv6*, RFC 3484.

HISTORY

The **ip6addrctl** utility first appeared in the KAME IPv6 protocol stack kit. The original command name was **addrselect**, but it was then renamed to the current one so that the name would describe its function well.