Contents

IPv6 fast forwarding commands

display ipv6 fast-forwarding aging-time

Use **display ipv6 fast-forwarding aging-time** to display the aging time of IPv6 fast forwarding entries.

Syntax

display ipv6 fast-forwarding aging-time

Views

Any view

Predefined user roles

network-admin

network-operator

Examples

Display the aging time of IPv6 fast forwarding entries.

```
<Sysname> display ipv6 fast-forwarding aging-time
Aging time: 30s
```

Table 1 Command output

Field	Description
Aging time	Aging time of IPv6 fast forwarding entries, in seconds.

Related commands

ipv6 fast-forwarding aging-time

display ipv6 fast-forwarding cache

Use **display ipv6 fast-forwarding cache** to display IPv6 fast forwarding entries.

Syntax

display ipv6 fast-forwarding cache [*ipv6-address*] [**slot** *slot-number*]

Views

Any view

Predefined user roles

network-admin

network-operator

Parameters

ipv6-address: Specifies an IPv6 address. If you do not specify an IPv6 address, this command displays all IPv6 fast forwarding entries.

slot *slot-number*: Specifies an IRF member device by its member ID. If you do not specify a member device, this command displays IPv6 fast forwarding entries for all member devices.

Examples

Display all IPv6 fast forwarding entries.

```
<Sysname> display ipv6 fast-forwarding cache
Total number of IPv6 fast-forwarding items: 2
Src IP: 123::2                                          Src Port: 1036
Dst IP: 123::1                                          Dst Port: 32768
Protocol: 58
VPN instance: N/A
Input interface: Vlan2
Output interface: InLoop0

Src IP: 123::1                                          Src Port: 1036
Dst IP: 123::2                                          Dst Port: 33024
Protocol: 58
VPN instance: N/A
Input interface: InLoop0
Output interface: Vlan2
```

Table 2 Command output

Field	Description
Total number of IPv6 fast-forwarding items	Number of IPv6 fast forwarding entries.
Src IP	Source IPv6 address.
Src port	Source port number.
Dst IP	Destination IPv6 address.
Dst Port	Destination port number.
Protocol	Protocol number.
VPN instance	VPN instance. If the entry does not belong to any VPN instance, this field displays **N/A**.
Input interface	Input interface type and number. If no interface is involved in fast forwarding, this field displays **N/A**. If the input interface does not exist, this field displays a hyphen (-).
Output interface	Output interface type and number. If no interface is involved in fast forwarding, this field displays **N/A**. If the output interface does not exist, this field displays a hyphen (-).

Related commands

`reset ipv6 fast-forwarding cache`

ipv6 fast-forwarding aging-time

Use **`ipv6 fast-forwarding aging-time`** to set the aging time for IPv6 fast forwarding entries.

Use **`undo ipv6 fast-forwarding aging-time`** to restore the default.

Syntax

ipv6 fast-forwarding aging-time *aging-time*

undo ipv6 fast-forwarding aging-time

Default

The aging time is 30 seconds.

Views

System view

Predefined user roles

network-admin

Parameters

aging-time: Sets the aging time in the range of 10 to 300 seconds.

Examples

Set the aging time to 20 seconds for IPv6 fast forwarding entries.

```
<Sysname> system-view
[Sysname] ipv6 fast-forwarding aging-time 20
```

Related commands

display ipv6 fast-forwarding aging-time

ipv6 fast-forwarding load-sharing

Use **ipv6 fast-forwarding load-sharing** to enable IPv6 fast forwarding load sharing.

Use **undo ipv6 fast-forwarding load-sharing** to disable IPv6 fast forwarding load sharing.

Syntax

ipv6 fast-forwarding load-sharing

undo ipv6 fast-forwarding load-sharing

Default

IPv6 fast forwarding load sharing is enabled.

Views

System view

Predefined user roles

network-admin

Usage guidelines

IPv6 fast forwarding load sharing enables the device to load share packets of the same flow. This feature identifies a data flow by using the packet information.

If IPv6 fast forwarding load sharing is disabled, the device identifies a data flow by the packet information and the input interface. No load sharing is implemented.

Examples

Enable IPv6 fast forwarding load sharing.

```
<Sysname> system-Views
[Sysname] ipv6 fast-forwarding load-sharing
```

reset ipv6 fast-forwarding cache

Use **reset ipv6 fast-forwarding cache** to clear the IPv6 fast forwarding table.

Syntax

reset ipv6 fast-forwarding cache [**slot** *slot-number*]

Views

User view

Predefined user roles

network-admin

Parameters

slot *slot-number*: Specifies an IRF member device by its member ID. If you do not specify a member device, this command clears the IPv6 fast forwarding table for all member devices.

Examples

Clear the IPv6 fast forwarding table.

```
<Sysname> reset ipv6 fast-forwarding cache
```

Related commands

display ipv6 fast-forwarding cache