

Contents

IPv4 uRPF commands	2
display ip urpf	2
ip urpf	2

IPv4 uRPF commands

display ip urpf

Use `display ip urpf` to display uRPF configuration.

Syntax

```
display ip urpf [ slot slot-number ]
```

Views

Any view

Predefined user roles

network-admin
network-operator

Parameters

`slot slot-number`: Specifies an IRF member device by its member ID. If you do not specify a member device, this command displays uRPF configuration for all member devices.

Examples

Display uRPF configuration for the specified slot.

```
<Sysname> display ip urpf slot 1  
Global uRPF configuration information(failed):  
  Check type: strict  
  Allow default route
```

Display uRPF configuration on the specified interface.

```
<Sysname> display ip urpf interface vlan-interface 10 slot 1  
uRPF configuration information of interface Vlan-interface10(failed):  
  Check type: loose  
  Allow default route  
  Suppress drop ACL: 2000
```

Table 1 Command output

Field	Description
(failed)	The system failed to deliver the uRPF configuration to the forwarding chip because of insufficient chip resources. This field is not displayed if the delivery is successful.
Check type	uRPF check mode: loose or strict.

ip urpf

Use `ip urpf` to enable uRPF.

Use `undo ip urpf` to disable uRPF.

Syntax

```
ip urpf { loose [ allow-default-route ] [ acl acl-number ] | strict  
[ allow-default-route ] [ acl acl-number ] [ link-check ] }
```

```
undo ip urpf
```

Default

uRPF is disabled.

Views

System view

Predefined user roles

network-admin

Parameters

loose: Enables loose uRPF check. To pass loose uRPF check, the source address of a packet must match the destination address of a FIB entry.

strict: Enables strict uRPF check. To pass strict uRPF check, the source address and receiving interface of a packet must match the destination address and output interface of a FIB entry. You can enable strict uRPF check only in VLAN interface view.

Usage guidelines

uRPF can be deployed on a PE connected to a CE or an ISP, or on a CE.

Examples

```
# Enable strict uRPF check globally.
```

```
<Sysname> system-view  
[Sysname] ip urpf strict
```

```
# Configure loose uRPF check on VLAN-interface 10.
```

```
<Sysname> system-view  
[Sysname] interface vlan-interface 10  
[Sysname-Vlan-interface10] ip urpf loose
```

Related commands

```
display ip urpf
```