1 DAI Commands

Command	Function
ip arp inspection trust	Configure an L2 interface as a Dynamic APR Inspection (DAI) trusted interface.
ip arp inspection validate interface	Enable DAI to check interface information.
ip arp inspection vlan	Enable DAI on a VLAN.
show ip arp inspection vlan	Display the DAI status on a VLAN.
show ip arp inspection interface	Display the DAI trust status of an interface.

1.1   ip arp inspection trust

Function

Run the **ip arp inspection trust** command to configure an L2 interface as a Dynamic APR Inspection (DAI) trusted interface.

Run the **no** form of this command to remove this configuration.

L2 interfaces are DAI untrusted interfaces by default.

Syntax

ip arp inspection trust

no ip arp inspection trust

Parameter Description

N/A

Command Modes

Interface configuration mode

Default Level

14

Usage Guidelines

To enable Address Resolution Protocol (ARP) packets received through an interface to pass DAI unconditionally, set the interface as a DAI trusted interface.

Examples

The following example configures GigabitEthernet 0/1 as a DAI trusted interface.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# interface gigabitethernet 0/1
Hostname(config-if-GigabitEthernet 0/1)# ip arp inspection trust
```

Notifications

N/A

Common Errors

N/A

Platform Description

N/A

Related Commands

N/A

1.2   ip arp inspection validate interface

Function

Run the **ip arp inspection validate interface** command to enable DAI to check interface information.

Run the **no** form of this command to remove the configuration.

After DAI is enabled, interface information will be checked by default.

Syntax

ip arp inspection validate interface

no ip arp inspection validate interface

Parameter Description

N/A

Command Modes

Global configuration mode

Default Level

14

Usage Guidelines

This command has been replaced by the **ip dhcp snooping station-move permit** command and is not recommended. Binding entry re-generation is supported in one virtual local area network (VLAN) and is not supported in sub VLANs.

Examples

The following example cancels interface information check by DAI.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# no ip arp inspection validate interface
```

Notifications

N/A

Common Errors

N/A

Platform Description

N/A

Related Commands

● **ip dhcp snooping station-move permit (IP Services/DHCP Snooping Commands)**

1.3 ip arp inspection vlan

Function

Run the **ip arp inspection vlan** command to enable DAI on a VLAN.

Run the **no** form of this command to disable this feature.

DAI is disabled on all VLANs by default.

Syntax

ip arp inspection vlan { *vlan-min* [*vlan-max*] | *vlan-range* }

no ip arp inspection vlan { *vlan- min* [*vlan-max*] | *vlan-range* }

Parameter Description

vlan-min: VLAN ID or the minimum value of a VLAN range for which DAI is performed. The value range is from 1 to 4094.

vlan-max: Maximum value of a VLAN range for which DAI is performed. The value range is from 1 to 4094.

vlan-range: VLAN range for which DAI is enabled. For example, 1, 3–5, 7, and 9–11.

Command Modes

Global configuration mode

Default Level

14

Usage Guidelines

To enable this command to take effect, enable ARP Check first.

⚠️ **Caution**

Not all interfaces on a VLAN can be enabled with ARP Check. When an interface is a Dynamic Host Configuration Protocol (DHCP) Snooping trusted interface, no security check rule can be configured on the interface.

Examples

The following example enables DAI on VLAN 1.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# ip arp inspection
Hostname(config)# ip arp inspection vlan 1
```

Notifications

N/A

Common Errors

N/A

Platform Description

N/A

Related Commands

N/A

1.4   show ip arp inspection vlan

Function

Run the **show ip arp inspection vlan** command to display the DAI status on a VLAN.

Syntax

show ip arp inspection vlan [*vlan-id* | *vlan-range*]

Parameter Description

vlan-id: VLAN whose DAI status is displayed. The value range is from 1 to 4094.

vlan-range: VLAN range whose DAI status is displayed, for example, 1, 3–5, 7, and 9–11.

Command Modes

All modes except the user EXEC mode

Default Level

14

Usage Guidelines

N/A

Examples

The following example displays the DAI status on all VLANs.

```
Hostname> enable
Hostname# show ip arp inspection vlan
Vlan     Configuration
1        Enable
3        Enable
```

Table 1-1Output Fields of the show ip arp inspection vlan Command

Field	Description
Vlan	VLAN ID
Configuration	DAI enabling status

Notifications

N/A

Platform Description

N/A

Related Commands

- [ip arp inspection vlan](#)

1.5 show ip arp inspection interface

Function

Run the **show ip arp inspection interface** command to display the DAI trust status of an interface.

Syntax

show ip arp inspection interface

Parameter Description

N/A

Command Modes

All modes except the user EXEC mode

Default Level

14

Usage Guidelines

N/A

Examples

The following example displays the DAI trust status of all interfaces.

```
Hostname> enable
Hostname# show ip arp inspection interface
Interface                Trust State
GigabitEthernet 0/1      Trusted
Default                  Untrusted
```

Table 1-1Output Fields of the show ip arp inspection interface Command

Field	Description
Interface	Interface name
Trust State	Trust status

Notifications

N/A

Platform Description

   N/A

Related Commands

- **ip arp inspection trust**