SNR-S2970G-48S GVRP Configuration Commands

Table of Contents

Chapter 1   GVRP Configuration Commands

1.1   GVRP Configuration Commands

1.1.1   Gvrp

Description

To enable GVRP globally on a device and on an interface, use the **gvrp** command. To disable GRVP, use the no form of this command.

gvrp

no gvrp

Parameter

Default

GVRP is administratively diasbled.

GRVP is administratively enabled on each interface.

Instruction

- When GVRP is enabled in the system,VTP cannot be enabled, and vice versa.

- GVPRP can be enabled globally or on an interface in the system, and GVRP is not enabled until both of them are enabled.

Example

The following example configures global gvrp on the device and interfaces:

Switch(config)# gvrp
Switch(config)#

The following example enables gvrp on interface 1:

Switch(config-if-Ethernet0/1) # gvrp
Switch(config-if-Ethernet0/1) #

1.1.2   Show gvrp statistics

Description

To show gvrp statistics, use the **show gvrp statistics** command.

show gvrp statistics [interface *intf-id*]

Parameter

parameter	description
intf-id	The concrete physical interface

Default

Instruction

Show GVRP statistics.

Example

The following example show GVRP statistics on port Ethernet0/1:

GVRP statistics on port Ethernet0/1
GVRP Status: Enabled
GVRP Failed Registrations: 0
GVRP Last Pdu Origin: 0000.0000.0000
GVRP Registration Type: Normal

1.1.3   Show gvrp status

Description

To show GVRP status information, use **show gvrp status** command.

show gvrp status

Parameter

Default

Instruction

Show GVRP status information.

Example

The following command shows GVRP status information of the switch:

GVRP is enabled

1.1.4 Debug gvrp event

Description

To enable debugging GVRP event information, use the **debug gvrp event** command. Use the no form of this command to disable debugging.

debug gvrp event

no debug gvrp event

Parameter

Default

Instruction

Enable/disable debugging GVRP event information.

Example

Switch# debug gvrp event
Switch#

1.1.5 Debug gvrp packet

Description

To enable debugging GVRP packet information, use the **debug gvrp event** command. Use the no form of this command to disable debugging.

debug gvrp packet

no debug gvrp packet

Parameter

Default

Instruction

Enable/disable debugging GVRP packet information.

Example

switch# debug gvrp packet
switch#

1.2   GARP Configuration Commands

GARP is the basic module of GVRP/GMRP. It is intended to scheduler GVRP/GMRP operation and provide service.

1.2.1   Garp leaveall

Description

To configure garp leaveall timer, use the **garp timer leaveall** command. Use the no form of this command to restore the default value.

garp timer leaveall *time_value*

no garp timer leaveall

Parameter

parameter	Description
timer_value	Global leaveall timer value 。 Value range ： 10–32765 centseconds。

Default

1000 centiseconds

Instruction

Bridge will clear all registed VLAN information and send out leaveall message after leaveall timer expires.

Example

The following example configures leaveall timer on the switch:

Switch(config)# garp timer leaveall 20000
Switch(config)#

1.2.2   Show garp timer

Description

To show the timer information that GARP configures, use the **show garp timers** command.

show garp timers [interface *intf_id*]

Parameter

parameter	description
intf-id	The concrete physical interface.

Default

Instruction

Use this command to show the timer information that GARP configures, including the value of global leaveall timer, hold timer, join timer and leave timer on the interface.

Example

The following example shows the timer configuration information on interface Ethernet0/1:

Switch# show garp timers interface e0/1
GARP timers on port Ethernet0/1

Garp Join Time: 200 milliseconds

Garp Leave Time: 600 milliseconds

Garp LeaveAll Time: 10000 milliseconds

Garp Hold Time: 100 milliseconds

1.2.3   Show garp status

Description

To show the currently-running garp application example, use the **show garp** command**.**

show garp

Parameter

Default

Instruction

Example

The following example shows GARP statistics on interface Ethernet0/1:

Switch_config#show   garp status

No GARP application is running.

1.2.4   Debug garp event[timer]

Description

To enable debugging garp event, use the **debug garp event** command. Use the no form of this command to disable debugging.

debug garp event[timer]

no debug garp event [timer]

Parameter

- 7 -

Default

Instruction

Use this command to enable/disable debugging GARP event information.

Example

```
Switch# debug garp event[timer]
Switch#
```