

Grouping ICR Subscribers Based on S-VLAN IDs

You can group ICR subscribers based on S-VLAN IDs. When you configure an S-VLAN list or S-VLAN range or an S-VLAN and VLAN subinterface pair, you can include any or all of the following keywords:

- Use the **control-interface** keyword to control traffic on the range of subinterfaces. If the subinterfaces are part of the backup partition, the router changes the state of all the subinterfaces to AdminDown, blocking all traffic to the subinterfaces.
- Use the **use-default-mac** keyword to enable the subinterfaces to use the default MAC address instead of the VRRP MAC address. To enable the subscriber subinterface to use the correct MAC address, configure the subinterface after configuring the ICR partition.
- Use the **advertise-mac** keyword to enable the subinterfaces to transmit gratuitous ARP (GARP) advertisements when the ICR partition moves from the backup state to the master state.

To group ICR subscribers based on S-VLAN IDs:

1. Specify **svlan** as the grouping type.

```
host1(config-if)#ip vrrp 1 icr-partition group svlan
```

The default grouping option is S-VLAN. If you do not explicitly specify the grouping option, the subscribers are grouped based on S-VLAN.

2. Add S-VLAN subinterfaces to the ICR partition by doing either of the following:
 - Specify the S-VLAN IDs individually by using the **svlan-list** keyword. In the following example, you add individual S-VLAN subinterfaces by specifying each S-VLAN ID.

```
host1(config-if)#ip vrrp 1 icr-partition svlan-list 100 102 105 108 114 125  
control-interface use-default-mac advertise-mac
```

- Specify the starting ID and ending ID of the range of S-VLAN subinterfaces. In the following example, you specify the first and the last ID of the range because the IDs are in sequential order.

```
host1(config-if)#ip vrrp 1 icr-partition svlan-range 100 110 control-interface  
use-default-mac advertise-mac
```

3. (Optional) Add an S-VLAN and VLAN subinterface pair to the ICR partition.

```
host1(config-if)#ip vrrp 1 icr-partition svlan-list-explicit 120 1 120 2  
control-interface use-default-mac advertise-mac
```

4. (Optional) Configure additional S-VLAN subinterfaces by completing Steps 2 and 3 using unique numbering.

Related Topics

- Grouping ICR Subscribers Based on VLAN IDs
- ip vrrp icr-partition group

- ip vrrp icr-partition svlan-list
- ip vrrp icr-partition svlan-list explicit
- ip vrrp icr-partition svlan-range
- Monitoring the Configuration of an ICR Partition Attached to an Interface

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