

## Grouping ICR Subscribers Based on VLAN IDs

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You can configure ICR subscribers based on VLAN IDs. When you configure a VLAN list or VLAN range, 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, thus 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 VLAN IDs:

1. Specify VLAN as the grouping type.

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

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 VLAN subinterfaces to the ICR partition by doing either of the following:

- Specify the VLAN IDs individually by using the **vlan-list** keyword to add a group of random VLAN IDs. In the following example, you add VLAN subinterfaces by specifying each VLAN ID individually because the IDs are in random order.

```
host1(config-if)#ip vrrp 1 icr-partition vlan-list 10 21 62 control-interface  
use-default-mac advertise-mac
```

- Specify the starting ID and ending ID of the range of 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 vlan-range 10 40 control-interface  
use-default-mac advertise-mac
```

3. (Optional) Configure additional VLAN subinterfaces by completing Step 2 using unique numbering.

### Related Topics

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

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

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