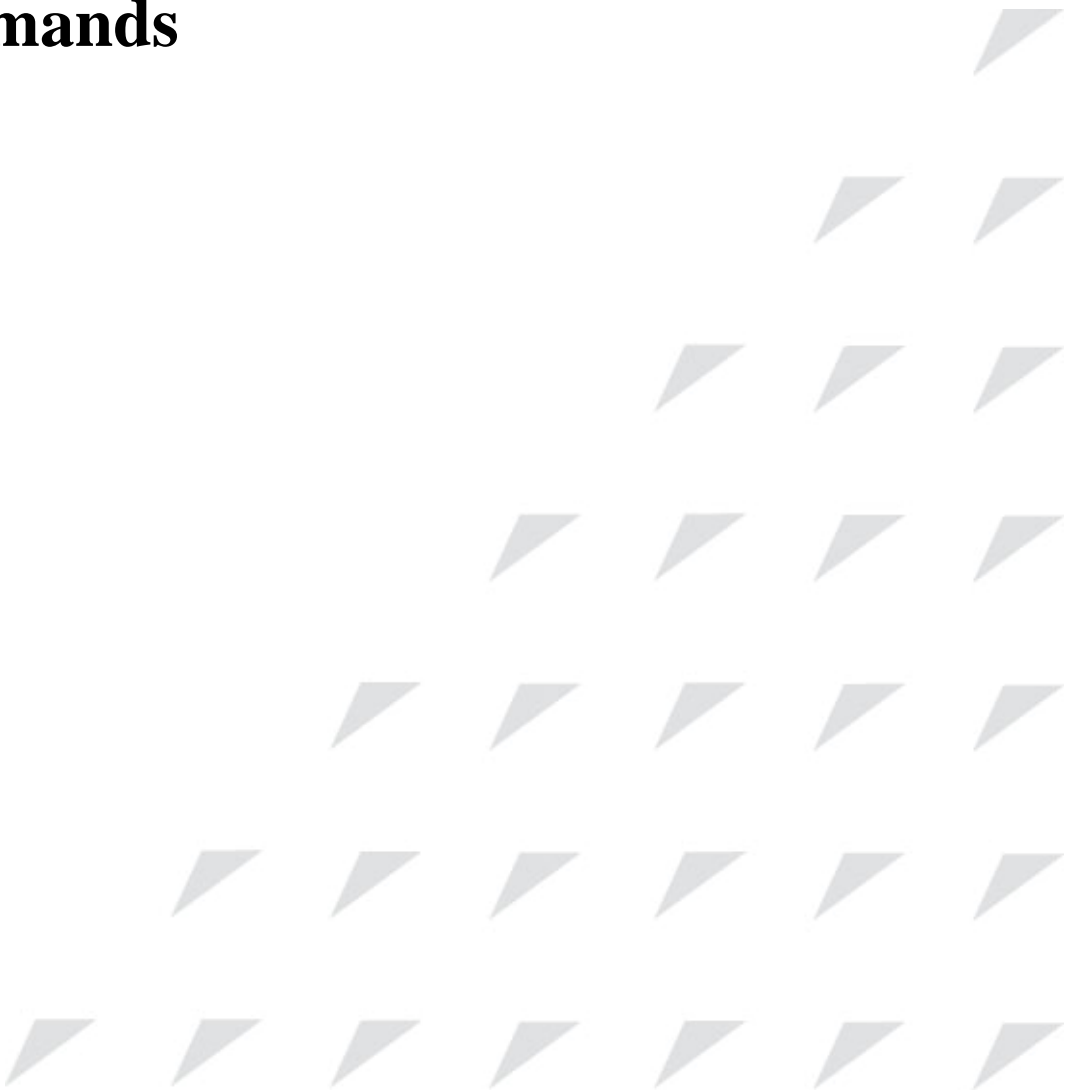


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MVR Commands



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Chapter 1 MVR Commands

1.1 ip igmp filter

[Function]

Enable or disable IGMP filter function.

[Command Format]

[no] ip igmp filter

[Default]

IGMP filtering function enable.

[Command Modes]

Global configuration mode; Privileged EXEC.

[Executing Command Instruction]

Use this command to start the IGMP filtering function. use **no ip igmp filter** command to stop IGMP filter function.

[Explanation of command execution echo]

Enable IGMP filter successfully

Enable IGMP filter unsuccessfully

Disable IGMP filter successfully

Disable IGMP filter unsuccessfully

[Example]

Start IGMP filter function:

Raisecom(config)#**ip igmp filter**

Stop IGMP filter function:

Raisecom(config)#**no ip igmp filter**

[Related commands]

Commands	Description
show ip igmp filter	Show IGMP filter configuration information.

1.2 ip igmp filter

[Function]

Apply IGMP profile to physical port.

[Command Format]

ip igmp filter *profile-number*

no ip igmp filter

[Parameter]

profile-number: serial number of IGMP profile, range from 1 to 65535.

[Default]

Do not apply IGMP profile, shown as 0.

[Command Modes]

Physical port configuration mode; Privileged EXEC.

[Executing Command Instruction]

Use this command to set the IGMP profile on ports. One IGMP profile can be applied to many ports, but each port can only apply one profile. Use **no ip igmp profile** command to delete IGMP profile.

[Explanation of command execution echo]

Set IGMP filter profile number successfully

Set IGMP filter profile number unsuccessfully

Cancel a IGMP profile number on the port successfully

Cancel a IGMP profile number on the port unsuccessfully

[Example]

Create IGMP profile:

Raisecom(config)#**interface port 1**

Raisecom(config-port)# **ip igmp filter 1**

[Related commands]

Commands	Description
show ip igmp profile	Show IGMP profile configuration information
show ip igmp filter port	Show the applied IGMP profile information of the port

1.3 ip igmp max-groups

[Function]

Set the maximum number for multicast groups.

[Command Format]

ip igmp max-groups *group-number*

no ip igmp max-groups

[Parameter]

group-number: maximum group number, range from 0 to 65535. 0 stands for no limitation.

[Default]

No limitation on max-groups number.

[Command Modes]

Physical port configuration mode; Privileged EXEC.

[Executing Command Instruction]

Use this command to set the max-groups. Apply this limitation to MVR and IGMP snooping.

[Explanation of command execution echo]

Set the IGMP max group number on the port successfully

Set the IGMP max group number on the port unsuccessfully

Unlimited the IGMP max group number on the port successfully

Unlimited the IGMP max group number on the port unsuccessfully

[Example]

Set the max-groups of the port permitted to be 10:

Raisecom(config)#**interface port 1**

Raisecom(config-port)# **ip igmp max-groups 10**

[Related commands]

Commands	Description
show ip igmp filter port	Show the IGMP profile which applied on the port

1.4 ip igmp max-groups action

[Function]

Actions that will be taken when the number of multicast group members exceeds max-group number.

[Command Format]

ip igmp max-groups action {*deny* / *replace*}

no ip igmp max-groups action

[Parameter]

deny: when number of multicast group members exceed max-groups number, IGMP packets will be denied, that is to say no more subscribers are not allowed to add in multicast group.

replace: when number of multicast group members exceed max-groups number, original groups member will be replaced. The replace action happens only if the maximum groups is 1.

[Default]

Deny

[Command Modes]

Physical port configuration mode; Privileged EXEC.

[Executing Command Instruction]

Actions to be taken when multicast group number exceeds max-groups number. If there is no limitation on maximum multicast group number, no action will be taken. This limitation is applied for MVR and IGMP snooping.

Use **no ip igmp max-group** action to recover to default status.

[Explanation of command execution echo]

Set the action that the port takes when exceed the max groups successfully

Set the action that the port takes when exceed the max groups unsuccessfully

Set the action that the port takes when exceed the max groups successfully

Set the action that the port takes when exceed the max groups unsuccessfully

[Example]

Set the maximum multicast group number as 10, action is deny:

Raisecom(config)#**interface port 1**

Raisecom(config-port)# **ip igmp max-groups 10**

Raisecom(config-port)# **ip igmp max-groups action deny**

[Related commands]

Commands	Description
show ip igmp filter port	Show IGMP profile information which applied on the ports.

1.5 mvr

[Function]

Set the port as MVR port.

[Command Format]

[no] mvr

[Default]

All the ports do not start MVR function.

[Command Modes]

Physical port configuration mode; privileged user

[Executing Command Instruction]

Use this command to start port MVR function, the static multicast of the port will be added to the group immediately. Use **no mvr** to stop port MVR function. the dynamically added multicast group of the port will be erased.

[Explanation of command execution echo]

Enable MVR on the port successfully

Disable MVR on the port successfully

Enable MVR on the port unsuccessfully

Disable MVR on the port unsuccessfully

[Example]

Start MVR on port 2:

Raisecom(config)#**interface port 2**

Raisecom(config-port)# **mvr**

[Related commands]

Commands	Description
show mvr port [portid]	Show MVR port information
show mvr port [portid] member	Show the member information of MVR port.

1.6 mvr { enable | disable }

[Function]

Enable/disable the multicast VLAN registration (MVR) function on the switch.

[Command Format]

mvr {enable | disable}

[Default]

MVR function disables.

[Command Modes]

Global configuration mode; Privileged EXEC.

[Executing Command Instruction]

Use this command to start the MVR function of the switch globally. If there are some MVR relative configuration, then the functions become effective immediately after globally enable MVR. MVR and IGMP snooping can be started at the same time.

[Explanation of command execution echo]

Enable MVR successfully

Enable MVR unsuccessfully

Disable MVR successfully

Disable MVR unsuccessfully

[Example]

Raisecom(config)#**mvr enable**

Raisecom(config)#**mvr disable**

[Related commands]

Commands	Description
show mvr	Show MVR configuration information

1.7 mvr group

[Function]

Configure static MVR IP multicast address.

[Command Format]

[no] mvr group ip -adress [count] [schedule-list list-no]

mvr group any

[Parameter]

ip-adress: Statically configure an multicast group IP address, this address is used for switch to receive the multicast group data flow, should be class D IP address, format is A.B.C.D.

count:(optional) Configure multiple contiguous MVR group addresses. range from 1-256, default is 1.

any: permit any multicast group.

[Default]

No IP multicast address is configured, that is to say, any multicast group is allowed

[Command Modes]

Global configuration mode; privileged user.

[Command Format]

The maximum multicast group number that switch permits is 256. All the multicast traffic with multicast address will be sent to receiver ports. Since the multicast forwarding of ISCOM2800 switch is based on MAC, so please do not configure IP address with the same name, Example, 224.1.1.1 and 225.1.1.1 is not allowed to be configured at the same time. In order to delete defined IP group address, use **no mvr group ip -address [count]** command.

If the multicast group has been configured, only the group members within the multicast group can be added. If there is no multicast group IP address being configured, any member can be added.

If the multicast group has been configured, after that the command **mvr group any** is applied, then the multicast group, which has been configured, will be deleted.

[Command execution echo]

Set MVR group address successfully

Set MVR group address unsuccessfully

MVR receive any group address successfully

MVR receive any group address unsuccessfully

Address aliases with the address configured

The MVR group address has existed

The MVR MAX groups has exceeded

Not an IP multicast group address

Delete MVR group address successfully

Delete MVR group address unsuccessfully

[Example]

Configure 226.1.2.3 as the IP multicast address:

Raisecom(config)#**mvr group 226.1.2.3**

Configure consecutive IP multicast address, range from 226.1.2.3 to 226.1.2.12:

Raisecom(config)#**mvr group 226.1.2.3 10**

Delete previously configured address:

Raisecom(config)#**no mvr group 226.1.2.3 10**

Any group member can be added:

Raisecom(config)#**mvr group any**

[Related commands]

Commands	Description
show mvr member <i>[ip-address]</i>	Show MVR multicast group address.

1.8 mvr immediate

[Function]

Start the immediate leave function on the port.

[Command Format]

[no] mvr immediate *[schedule-list list-no]*

[Default]

All the immediate leave function is disabled.

[Command Modes]

Physical port configuration mode; privileged user

[Executing Command Instruction]

When the immediate leave function is configured, receiving port can leave the multicast group even faster, receiving port sends IGMP query packet. If doesn't get member report after a while, the receiving port will be deleted from the multicast group.

If the immediate leave function is started, then the receiving port will be erased from multicast group as soon as the IGMP leave message is received. The immediate leave function is only fit for the situation that one receiving-equipment is connected.

[Explanation of command execution echo]

Enable the Immediate Leave feature of MVR on a port successfully

Enable the Immediate Leave feature of MVR on a port unsuccessfully

Disable the Immediate Leave feature of MVR on a port successfully

Disable the Immediate Leave feature of MVR on a port unsuccessfully.

[Example]

Start the immediate leave function on port 1:

Raisecom(config)#**interface port 1**

Raisecom(config-port)# **mvr type receiver**

Raisecom(config-port)# **mvr immediate**

[Related commands]

Commands	Description
show mvr port <i>[portid]</i>	Show MVR port information.

1.9 mvr mode

[Function]

Configure MVR operation mode.

[Command Format]

mvr mode {*dynamic* / *compatible*}

[Parameter]

dynamic: the dynamic mode allows the source ports to be added to multicast group dynamically;

compatible: does not allow dynamic membership joins on source ports.

[Default]

Default mode is **compatible**

[Command Modes]

Global configuration mode; privileged user.

[Executing Command Instruction]

Under the **compatible** mode, group members can receive the multicast traffic only when there are some members adding to the group at the receiving port, and switch transfers the message of IGMP enrollment to the multicast router. When some member is leaving, the information for “leave” should also be transferred to the router. That is to say, source ports do not join the multicast group voluntarily.

Under the **dynamic** mode, source port join the multicast group voluntarily (that is using **mvr group** command to configure the multicast address), multicast traffic is sent till the source ports. When there are some members adding to the group, multicast traffic is sent to the receiving port immediately. When some group member is leaving, switch will send the “leave” message at the receiving port. If there are no member messages received within the **querytime**, the multicast transferring entity will be deleted, multicast traffic will not be sent to the receiving port.

[Explanation of command execution echo]

Set MVR mode dynamic successfully

Set MVR mode compatible successfully

Set MVR mode dynamic unsuccessfully

Set MVR mode compatible unsuccessfully

[Example]

Set the MVR mode to dynamic mode:

Raisecom(config)#**mvr mode** *dynamic*

Set the MVR mode to compatible mode:

Raisecom(config)#**mvr mode** *compatible*

[Related commands]

Commands	Description
show mvr	Show MVR configuration information

1.10 mvr timeout

[Function]

Configure time of MVR timeout.

[Command Format]

mvr timeout *timeout*

no mvr timeout

[Parameter]

timeout: maximum overtime for MVR multicast address, range from 60~36000(second), default is 600 seconds.

[Default]

Default is 600 seconds.

[Command Modes]

Global configuration mode; privileged user.

[Executing Command Instruction]

MVR timeout is the maximum waiting time for waiting the IGMP members report message on the receiving port. If doesn't get the member report within this period, delete the multicast transfer entity of the port. In order to recover the default configuration, use **no mvr timeout** command.

[Explanation of command execution echo]

Set MVR timeout successfully

Set MVR timeout unsuccessfully

Set default MVR timeout successfully

Set default MVR timeout unsuccessfully

[Example]

Set the timeout to 180 seconds:

Raisecom(config)#**mvr timeout 180**

Recover to default setting:

Raisecom(config)#**no mvr timeout**

[Related commands]

Commands	Description
show mvr	Show MVR configuration information

1.11 mvr type

[Function]

Configure MVR port type.

[Command Format]

mvr type {*source* / *receiver*}

no mvr type

[Parameter]

source: specify the port as the source port, which is the port connected to the multicast router;

receiver: specify the port as the receiving port.

[Default]

Default port type is non-MVR type, not the source port nor the receiving the port.

[Command Modes]

Physical port configuration mode; privileged user.

[Executing Command Instruction]

The receiving port is subscriber, can only receive multicast data. The receiving port can belong to any VLAN but multicast VLAN.

The source port is the port connected to the multicast router, can send and receive multicast data. All the source port should belong to multicast VLAN.

If configure on the non-MVR port, operation will fail.

If want to recover the port type to non-MVR, use **no mvr type** command; Any previously defined MVR property will be erased.

[Explanation of command execution echo]

Set MVR port type as source port successfully

The source port is not in multicast VLAN, set unsuccessfully

Set MVR port type as source port unsuccessfully

Set MVR port type as receiver port successfully

The port has been in multicast VLAN, set unsuccessfully

Set MVR port type as receiver port unsuccessfully

[Example]

Set port 1 as receiving port:

```
Raisecom(config)#inter port 1
```

```
Raisecom(config-port)# mvr type receiver
```

Set port 1 as the source port:

```
Raisecom(config-port)# mvr type source
```

Se the port 1 as the non-MVR port:

```
Raisecom(config-port)# no mvr type
```

[Related commands]

Commands	Description
show mvr port [portid]	Show MVR port information

1.12 mvr vlan

[Function]

Configure multicast VLAN of MVR.

[Command Format]

```
mvr vlan vlanid [schedule-list list-no]
```

```
no mvr vlan
```

[Parameter]

vlanid: specify the VLAN that needs to receive the multicast data. Range is 1~4094, default is VLAN 1.

[Default]

Default is VLAN 1.

[Command Modes]

Global configuration mode; privileged user.

[Executing Command Instruction]

Specify the VLAN that need receive multicast group data. All the source ports should belong to this VLAN. In order to recover default configuration, use **no mvr vlan command**. If both the multicast VLAN and the static multicast address have been configured on the ports, please delete the port configuration before modifying the multicast VLAN.

[Explanation of command execution echo]

Set the VLAN in which multicast data is received successfully

Set the VLAN in which multicast data is received unsuccessfully

Set the default VLAN in which multicast data is received successfully

Set the default VLAN in which multicast data is received unsuccessfully

[Example]

Set the multicast VLAN to 2:

Raisecom(config)#**mvr vlan 2**

Recover the default setting:

Raisecom(config)#**no mvr vlan**

[Related commands]

Commands	Description
show mvr	Show MVR configure information.

1.13 mvr vlan group

[Function]

Add some ports on designated VLAN as the static multicast member.

[Command Format]

[no] mvr vlan vlanid group ip-address

no mvr vlan vlanid group [ip-address]

[Parameter]

vlanid: specify multicast VLAN ID, range from 1 to 4094.

ip-address: the type of class-map, apply AND operation between matches. Default is match-all.

[Command Modes]

Physical port configuration mode; privileged user.

[Executing Command Instruction]

Add ports on designated VLAN as the static multicast group member. This command can only be applied on the receiving port. User can receive multicast data when the receiving port get this enroll information of the group. Multicast address should be the IP address configured by mvr group command. Use **no mvr vlan vlanid group ip-address** command, if want to delete all the static multicast member of the ports, use **no mvr vlan vlanid group** command.

[Explanation of command execution echo]

Specify MVR group IP multicast address for specified VLAN ID successfully

Specify MVR group IP multicast address for specified VLAN ID unsuccessfully

Delete MVR group IP multicast address for specified VLAN ID successfully

Delete MVR group IP multicast address for specified VLAN ID unsuccessfully

MVR group address isn't class D address.

Invalid multicast VLAN

The input name too long.

Non MVR group cannot be added

[Example]

Configure port 2, add it to multicast VLAN 3, multicast address is 234.5.6.7:

```
Raisecom(config)#mvr enable
```

```
Raisecom(config)#mvr vlan 3
```

```
Raisecom(config)#mvr group 234.5.6.1 10
```

```
Raisecom(config)#interface port 2
```

```
Raisecom(config-port)#mvr type reciver
```

```
Raisecom(config-port)#mvr vlan 3 group 234.5.6.7
```

Delete configuration:

```
Raisecom(config-port)#no mvr vlan 3 group 234.5.6.7
```

[Related commands]

Commands	Description
show mvr port [portid]	Show MVR port information
show mvr port [portid] member	Show MVR port member information.

1.14 permit | deny

[Function]

Set action of IGMP profile as permit or deny.

[Command Format]

{permit | deny}

[Parameter]

permit: allow the user to be added to the multicast group if IP address is within the profile

deny: deny the user to be added to the multicast group if IP address is within the profile

[Default]

The default operation is deny.

[Command Modes]

Profile configuration mode; Privileged user.

[Executing Command Instruction]

Set the operation of IGMP profile to permit or deny.

[Explanation of command execution echo]

Set the action to permit access to the IP multicast address successfully

Set the action to permit access to the IP multicast address unsuccessfully

Set the action to deny access to the IP multicast address successfully

Set the action to deny access to the IP multicast address unsuccessfully

Set the action to access to the IP multicast address unsuccessfully

[Example]

Set IGMP profile operation:

Raisecom(config)#**ip igmp profile 1**

Raisecom(config-profile)#**permit**

[Related commands]

Commands	Description
ip igmp profile <i>profile-number</i>	Create IGMP profile.
show ip igmp profile	Show IGMP profile configuration information.

1.15 range

[Function]

Set the address range for IGMP profile.

[Command Format]

[no] range *start-ip [end-ip]*

[Parameter]

start-ip: the starting address of the address range for IGMP profile.

end-ip: the ending address of the address range for IGMP profile.

[Default]

Default scale is all the multicast address.

[Command Modes]

profile configuration mode; privileged user.

[Executing Command Instruction]

Set the address range for IGMP profile, if do not specify the ending address, it stands for an IP address. Use **no range start-ip [end-ip]** to delete the range.

[Explanation of command execution echo]

Set the range of IP multicast addresses successfully

Set the range of IP multicast addresses unsuccessfully

Delete the range of IP multicast address successfully

Delete the range of IP multicast address unsuccessfully

Not an IP multicast group address

Invalid group address

[Example]

Set the range of IGMP profile from 234.5.6.7 to 234.5.7.7:

Raisecom(config)#**ip igmp profile 1**

Raisecom(config-profile)#**permit**

Raisecom(config-profile)#**range 234.5.6.7 234.5.7.7**

Delete the range of IGMP profile from 234.5.7.0 to 234.5.7.7:

Raisecom(config-profile)#**no range 234.5.7.0 234.5.7.7**

[Related commands]

Commands	Description
ip igmp profile <i>profile-number</i>	Create IGMP profile.
{ permit deny }	Set IGMP profile action.
show ip igmp profile	Show IGMP profile configuration information.

1.16 show mvr

[Function]

Show MVR configuration information.

[Command Format]

show mvr**[Command Modes]**

Privileged EXEC; privileged user.

[Executing Command Instruction]

Use this command to show MVR global configuration information.

[Explanation of command execution echo]

Raisecom#**show mvr**

MVR Running: Enable

MVR Multicast VLAN: 1

MVR Max Multicast Groups: 256

MVR Current Multicast Groups: 0

MVR Timeout: 600 (second)

MVR Mode: Compatible

[Example]

Raisecom# **show mvr**

[Related commands]

Commands	Description
mvr { <i>enable</i> / <i>disable</i> }	Start/stop MVR
mvr vlan <i>vlanid</i>	Set multicast VLAN
mvr mode { <i>dynamic</i> / <i>compatible</i> }	Set MVR mode.
mvr group	Set MVR multicast group

1.7 show mvr member**[Function]**

Show MVR configuration multicast group information.

[Command Format]

show mvr member [*ip-address*]

[Parameter]

ip-address: show designated IP group information, the IP address should be IP address of D type, format is A.B.C.D.

[Command Modes]

Privileged user; Privileged EXEC.

[Executing Command Instruction]

Show MVR configuration multicast group information.

MVR group state Active means there is port been added into this group (static or dynamic);

Inactive means no port is added into the group.

Members item means the ports that have been added into this group, shows none if no ports been added.

[Explanation of command execution echo]

Raisecom#**show mvr members**

<i>MVR Group IP</i>	<i>Status</i>	<i>Members</i>

234.5.6.7	Active	1
234.5.6.8	Active	1
234.5.6.9	Inactive	None
234.5.6.10	Inactive	None
234.5.6.11	Inactive	None

[Example]

Raisecom# **show mvr members**

[Related commands]

Commands	Description
mvr {enable / disable}	Start /stop MVR
mvr group	Set MVR multicast group.

1.18 show mvr port

[Function]

Show MVR port configuration information.

[Command Format]

show mvr port [*portid*]

[Parameter]

portid: port ID.

[Command Modes]

Privileged EXEC; privileged user.

[Executing Command Instruction]

Show MVR port configuration information.

“running” stand for whether the port has started the MVR.

“type” stands for port MVR type, there are three types: non-MVR, source, receiver;

up/down stands for the connection status for the ports, active stands for the port belongs to a VLAN; inactive stands for the port is not belongs to a VLAN.

Immediate leave stand for whether the port is started or not.

[Explanation of command execution echo]

Show all the port information:

Raisecom#**show mvr port**

<i>Port</i>	<i>Running</i>	<i>Type</i>	<i>Status</i>	<i>Immediate Leave</i>

<i>1</i>	<i>Enable</i>	<i>Receiver</i>	<i>Inactive/down</i>	<i>Enable</i>
<i>2</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>
<i>3</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>
<i>4</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>
<i>5</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>
<i>6</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>
<i>7</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/Up</i>	<i>Disable</i>
.....				
<i>25</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>
<i>26</i>	<i>Disable</i>	<i>Non-MVR</i>	<i>Inactive/down</i>	<i>Disable</i>

Show individual port information:

Raisecom#**show mvr port 1**

Running: Enable

Type: Receiver

Status: Inactive/down

Immediate Leave: Enable

[Example]

Show all the port information:

Raisecom# **show mvr port**

Show designated port information:

Raisecom# **show mvr port 1**

[Related commands]

Commands	Description
mvr {enable disable}	start/stop MVR
mvr vlan vlanid	Set multicast VLAN
mvr group	Set MVR multicast group.
mvr type {source receiver}	Configure port MVR type.
mvr immediate	Configure immediate leave.
mvr vlan vlanid group ip-address	Configure port to static multicast group member.

1.19 shor mvr port member

[Function]

Show MVR port static multicast group member configuration information.

[Command Format]

show mvr port *portid* **members**

[Parameter]

portid: PortID.

[Command Modes]

Privileged EXEC; privileged user.

[Executing Command Instruction]

Show static multicast group member configuration information of the MVR port.

“type” stands for whether the port is statically configured by **mvr vlan** *vlanid* **group** command, or by igmp dynamically study and add the packet.

“status” stands for the MVR state of the port, active stand for the port belongs to the same VLAN; inactive stands for the port is not in the same VLAN.

[Explanation of command execution echo]

Raisecom#**show mvr port 1 members**

```
MVR Group IP      Type      Status
-----
234.5.6.7         static    Inactive
234.5.6.8         static    Inactive
```

[Example]

Show port 1 information:

Raisecom# **show mvr port 1 members**

[Related commands]

Commands	Description
mvr { <i>enable</i> / <i>disable</i> }	Start / stop MVR
mvr vlan <i>vlanid</i>	Set multicast VLAN
mvr group	Set MVR multicast group
mvr type { <i>source</i> / <i>receiver</i> }	Configure port MVR type.
mvr immediate	Configure immediate leave.
mvr vlan <i>vlanid</i> group <i>ip-address</i>	Configure port to be a static multicast group member.

1.20 show ip igmp filter

[Function]

Show IGMP filter configuration information.

[Command Format]

show ip igmp filter

[Command Modes]

Privileged EXEC; privileged user.

[Executing Command Instruction]

Use this command to show global configuration information which is IGMP filtered.

[Explanation of command execution echo]

Raisecom# **show ip igmp filter**

IGMP filter: Enable

[Example]

Raisecom# **show ip igmp filter**

[Related commands]

Commands	Description
ip igmp filter	Enable or disable IGMP filter function.

1.21 show ip igmp filter port

[Function]

Show the port configuration information of IGMP filter.

[Command Format]

Show ip igmp filter port [*portid*]

[Parameter]

portid: (optical), port number.

[Command Modes]

Privileged EXEC; privileged user.

[Executing Command Instruction]

Use this command to show port config information, which is IGMP filtered, if the parameter is not specified, show information for all the ports.

Filter represents that which IGMP profile is applied by the port. If it is 0, the port doesn't apply any IGMP profile.

[Explanation of command execution echo]

Show all the ports:

Raisecom#**show ip igmp filter port**

<i>Port</i>	<i>Filter</i>	<i>Max Groups</i>	<i>Current Groups</i>	<i>Action</i>
-------------	---------------	-------------------	-----------------------	---------------

1	1	20	0	Deny
2	2	20	0	Deny
3	0	0	0	Deny
.....				
25	0	0	0	Deny
26	0	0	0	Deny

Show specified port:

Raisecom#**show ip igmp filter port 1**

IGMP Filter: 1

Max Groups: 20

Current groups: 0

Action: Deny

[Example]

Raisecom# **show ip igmp filter port 1**

[Related commands]

Commands	Description
ip igmp profile <i>profile-number</i>	Create IGMP profile information
ip igmp max-groups	The maximum number which is allowed to be added into group.
ip igmp max-groups action	The action is taken when the number of group added exceeds the allowed maximum number.

1.22 show ip igmp profile

[Function]

Show the configuration information of IGMP profile.

[Command Format]

show ip igmp profile [*profile-number*]

[Parameter]

profile-number: optional, already defined IGMP profile number.

[Command Modes]

Privileged EXEC; privileged user.

[Executing Command Instruction]

Use this command to show IGMP profile configuration information. When the parameter has not been specified, show all the already defined IGMP profile information.

[Explanation of command execution echo]

Show all the information:

Raisecom#**show ip igmp profile**

IGMP profile 1

permit

range 234.1.1.1 234.2.2.2

range 234.5.1.1 234.5.2.2

IGMP profile 2

Deny

range 234.1.1.1 234.2.2.2

range 234.5.1.1 234.5.2.2

Show designated ip igmp information:

Raisecom#**show ip igmp profile 1**

IGMP profile 1

permit

range 234.1.1.1 234.2.2.2

range 234.5.1.1 234.5.2.2

[Example]

Raisecom# **show ip igmp profile**

[Related commands]

Commands	Description
ip igmp profile <i>profile-number</i>	Create IGMP profile information
permit deny	Set IGMP profile action
range <i>start-ip [end-ip]</i>	Set IGMP profile range.



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