

Comware V7 IGMP Snooping NETCONF XML API Data Reference

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IGMPSnooping

IGMPSnooping/Configuration

This table contains global IGMP snooping information.

XML structure

```
<IGMPSnooping>
  <Configuration>
    <Enabled></Enabled>
  </Configuration>
</IGMPSnooping>
```

Table description

Item	Description
Feature name	IGMPSnooping
Table name	Configuration
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Enabled	Set IGMP snooping state globally.	N/A	Enumeration: • enable • disable

IGMPSnooping/VLANs

This table contains the IGMP snooping information for vlans.

XML structure

```
<IGMPSnooping>
  <VLANs>
```

```

<VLAN>
  <VLANID></VLANID>
  <Enabled></Enabled>
  <Version></Version>
  <DropUnknown></DropUnknown>
  <Querier></Querier>
  <QueryInterval></QueryInterval>
  <GeneralQuerySourceAddr></GeneralQuerySourceAddr>
  <SpecialQuerySourceAddr></SpecialQuerySourceAddr>
</VLAN>
</VLANs>
</IGMPSnooping>

```

Table description

Item	Description
Feature name	IGMPSnooping
Table name	VLANs
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Enabled	Set IGMP snooping state for specified VLAN.	N/A	Enumeration: - enable - disable	N/A
Version	Specify the IGMP snooping version for specified VLAN.	N/A	Enumeration: 2 3	N/A
DropUnknown	Set IGMP snooping dropping unknown for specified VLAN.	N/A	Enumeration: - enable - disable	N/A
Querier	Set IGMP snooping querier for specified VLAN.	N/A	Enumeration: - enable - disable	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
QueryInterval	Specify IGMP snooping general query interval for specified VLAN.	N/A	Unsigned integer. Value range: 2 to 300.	N/A
GeneralQuery SourceAddr	Specify the source IP address of IGMP general queries for specified VLAN.	N/A	Ipv4Address.	Example: 1.1.1.1.
SpecialQuery SourceAddr	Specify the source IP address for IGMP group-specific queries for specified VLAN.	N/A	Ipv4Address.	Example: 1.1.1.1.

IGMPSnooping/FastLeavePorts

This table contains the IGMP snooping fast leave information on ports.

XML structure

```
<IGMPSnooping>
  <FastLeavePorts>
    <Interface>
      <IfIndex></IfIndex>
      <FastLeaveVlanList></FastLeaveVlanList>
    </Interface>
  </FastLeavePorts>
</IGMPSnooping>
```

Table description

Item	Description
Feature name	IGMPSnooping
Table name	FastLeavePorts
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	IfIndex.	N/A
FastLeaveVlanList	Set IGMP snooping fast leave vlan-list on a port.	N/A	VlanRange.	Example: 1,2,3,5-8,10-20.

IGMPSnooping/GroupLimitPorts

This table contains the IGMP snooping group limit information on ports.

XML structure

```
<IGMPSnooping>
  <GroupLimitPorts>
    <Interface>
      <IfIndex></IfIndex>
      <Limit></Limit>
      <GroupLimitVlanList></GroupLimitVlanList>
    </Interface>
  </GroupLimitPorts>
</IGMPSnooping>
```

Table description

Item	Description
Feature name	IGMPSnooping
Table name	GroupLimitPorts
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	IfIndex.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Limit	Sets the maximum number of multicast groups that a port can join.	Index	Unsigned integer. Value range: 0 to 4294967295.	N/A
GroupLimitVlanList	Set IGMP snooping group limit vlan-list on a port.	N/A	VlanRange.	Example: 1,2,3,5-8,10-20.

IGMPSnooping/IPv4Layer2MulticastGroups

This table contains information about Layer 2 IP multicast groups.

XML structure

```

<IGMPSnooping>
  <IPv4Layer2MulticastGroups>
    <VLAN>
      <VLANID></VLANID>
      <GroupAddr></GroupAddr>
      <SourceAddr></SourceAddr>
      <IfIndex></IfIndex>
    </VLAN>
  </IPv4Layer2MulticastGroups>
</IGMPSnooping>

```

Table description

Item	Description
Feature name	IGMPSnooping
Table name	IPv4Layer2MulticastGroups
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
VLANID	VLAN ID	Index	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
			Value range: 1 to 4094.
GroupAddr	Multicast group.	Index	Ipv4Address.
SourceAddr	Multicast source.	Index	Ipv4Address.
IfIndex	IfIndex.	Index	IfIndex.