

Comware V7 IRF NETCONF XML API Configuration Reference

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IRF

IRF/Configuration

This table contains IRF global configuration information.

XML structure

```
<IRF>
  <Configuration>
    <AutoMerge></AutoMerge>
    <AutoUpgrade></AutoUpgrade>
    <Domain></Domain>
    <LinkDelay></LinkDelay>
    <MacPersist></MacPersist>
  </Configuration>
</IRF>
```

Table description

Item	Description
Feature name	IRF
Table name	Configuration
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoMerge	State of the auto merge function	N/A	EnableState. Default: variant between products.	enable: The IRF fabric automatically reboots its member devices when it fails in the master election during an IRF fabric merge. disable: Manual reboot is required to complete an IRF fabric merge.

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoUpgrade	Status of the software auto-update function	N/A	EnableState. Default: variant between products.	enable: The master device automatically pushes its software images to the device you are adding to the IRF fabric. disable: You must manually make sure the joining device uses the same software images as the master device. If not, the new device cannot join the IRF fabric.
Domain	Domain ID for the IRF fabric	N/A	Unsigned integer. Value range: 0 to 4294967295 Default: 0	N/A
LinkDelay	IRF link down report delay	N/A	Unsigned integer. Value range: 0 to 10000. Unit: milliseconds Default: variant between products.	If the interval is set to 0, link down events are reported without any delay.
MacPersist	IRF bridge MAC persistence setting	N/A	Enumeration. 1—Timer (default) 2—Always 3—No	Timer: A 6 minutes timer, bridge MAC address of the IRF fabric persists for 6 minutes after the master leaves. Always: Bridge MAC address of the IRF fabric does not change after the master leaves. No: Bridge MAC address of the new master replaces the original one as soon as the old master leaves.

IRF/Members

This table contains configuration of the IRF members.

XML structure

```
<IRF>
  <Members>
```

```

<Member>
  <MemberID></MemberID>
  <NewMemberID></NewMemberID>
  <Description></Description>
  <Priority></Priority>
</Member>
</Members>
</IRF>

```

Table description

Item	Description
Feature name	IRF
Table name	Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MemberID	Member ID.	Index	Unsigned integer. Value range: 0 to 32. Stack mode: 1 to 32. Stand-alone mode: 0.	The current member ID of the device. The maximum member ID is variant between products. Also available in stand-alone mode.
NewMemberID	Member ID assigned to the device.	N/A	Unsigned integer. Value range: 1 to 32. Default: Stack mode: MemberID. Stand-alone mode: 1	This member ID takes effect at reboot. The maximum member ID is variant between products. Also available in stand-alone mode.
Description	Description for the member device.	N/A	String. Max length: 1 to 127 characters.	A string of 1 to 127 ASCII characters.
Priority	Member priority.	N/A	Unsigned integer. Value range: 1 to 32. Default: 1.	Also available in stand-alone mode.

IRF/IRFPorts

This table contains configuration of the IRF ports.

XML structure

```
<IRF>
  <IRFPorts>
    <IRFPort>
      <MemberID></MemberID>
      <Port></Port>
      <Interface>
        <IfName></IfName>
        <MDCName></MDCName>
        <Mode></Mode>
      </Interface>
    </IRFPort>
  </IRFPorts>
</IRF>
```

Table description

Item	Description
Feature name	IRF
Table name	IRFPorts
Table type	Multi-instance table
Row name	IRFPort
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MemberID	Member ID	Index	Unsigned integer. Value range: Stack mode: 1 to 32. Default: 1. Stand-alone mode: 0.	The current member ID of the device. Also available in stand-alone mode.

Column name	Column description	Column type	Data type and restrictions	Remarks
Port	IRF port number	Index	Unsigned integer. Value range: 1 to 2	1: IRF port 1 2: IRF port 2 Also available in stand-alone mode.
Interface	Physical port of an IRF port	Data structure	Members: - IfName - MDCName - Mode	Multi-instance. Maximum occurrence is MaxIfNumPerIRFPort. Also available in stand-alone mode.
IfName	Interface name	N/A	String. Length: 2 to 47 characters.	Physical port of an IRF port
MDCName	MDC name	N/A	Case-sensitive string. Length: 1 to 15 characters Optional	If MDCName is specified, it binds physical ports on the MDC to an IRF port. If no MDCName is specified, it binds physical ports on the default MDC to an IRF port.
Mode	Physical IRF port mode	N/A	Enumeration. 1—Normal 2—Enhanced 3—Extended Default: variant between products.	Normal: Sets the binding mode to normal. Enhanced: Sets the binding mode to enhanced. Extended: Sets the binding mode to extended.