

Comware V7 Ping NETCONF XML API Action Reference

Revision Record

Date	Revision Version	Change Description	Author
2014-6-13	V1.00	Initial	dairuiqiang04358

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Ping

Ping/IPv4Ping

This table is used to test the specified IPv4 address of the device is reachable.

XML structure

```
<Ping>
  <IPv4Ping>
    <PingTest>
      <Host></Host>
      <VRF></VRF>
    </PingTest>
  </IPv4Ping>
</Ping>
```

Responded XML structure

```
<Ping>
  <IPv4Ping>
    <PingTest>
      <Host></Host>
      <PayloadLength></PayloadLength>
      <EchoReply>
        <IcmpSequence></IcmpSequence>
        <TTLValue></TTLValue>
        <ReplyTime></ReplyTime>
      </EchoReply>
      <TotalTransmitPacket></TotalTransmitPacket>
      <TotalReceivePacket></TotalReceivePacket>
      <LossRate></LossRate>
      <MinReplyTime></MinReplyTime>
      <MaxReplyTime></MaxReplyTime>
      <AvgReplyTime></AvgReplyTime>
      <StandardDeviation></StandardDeviation>
    </PingTest>
  </IPv4Ping>
</Ping>
```

Table description

Item	Description
Feature name	Ping

Table name	IPv4Ping
Table type	Multi-instance table
Row name	PingTest
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Host	IPv4 address or hostname of remote system.	Index	String. Length: 1 to 253 characters.	Example: 1.1.1.1 or hostname
VRF	Vrf name.	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.

Responded columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Host	IPv4 address of remote system.	N/A	String, IPv4 address string.	Example: 1.1.1.1
PayloadLength	The payload length.	N/A	Unsigned integer. Value range: 20 to 8100.	N/A
EchoReply	The info of echo reply.	Data structure	Members include: - IcmpSequence. - TTLValue. - ReplyTime.	N/A
IcmpSequence	The Sequence of echo reply.	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
TTLValue	The TTL value of echo reply.	N/A	Unsigned integer. Value range: 1 to 255.	N/A
ReplyTime	The time of echo reply.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: microsecond.	If value is 4294967295, it means that time out.
TotalTransmitPacket	The total numbers of transmit echo packets.	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
TotalReceiveP	The total numbers	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
packet	of receive echo packets.		Value range: 1 to 4294967295.	
LossRate	Loss packet Rate	N/A	Unsigned integer. Value range: 0 to 100.	N/A
MinReplyTime	The min microsecond time of echo reply.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: microsecond.	If LossRate is 100, the value is meaningless.
MaxReplyTime	The max time of echo reply.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: microsecond.	If LossRate is 100, the value is meaningless.
AvgReplyTime	The average time of echo reply.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: microsecond.	If LossRate is 100, the value is meaningless.
StandardDeviation	The standard deviation time of echo reply.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: microsecond.	If LossRate is 100, the value is meaningless.