



CheckPingOnVlan

Element Software

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CheckPingOnVlan

You can use the `CheckPingOnVlan` method to test network connectivity on a temporary VLAN when performing pre-deployment network validation. `CheckPingOnVlan` creates a temporary VLAN interface, sends ICMP packets to all nodes in the storage cluster using the VLAN interface, and then removes the interface.

Parameters

This method has the following input parameter:

Name	Description	Type	Default value	Required
attempts	Specifies the number of times the system should repeat the test ping.	integer	5	No
hosts	Specifies a comma-separated list of addresses or hostnames of devices to ping.	string	The nodes in the cluster	No
interface	The existing (base) interface from which the pings should be sent. Possible values: <ul style="list-style-type: none">• Bond10G: Send pings from the Bond10G interface.• Bond1G: Send pings from the Bond1G interface.	string	None	Yes

Name	Description	Type	Default value	Required
packetSize	Specifies the number of bytes to send in the ICMP packet that is sent to each IP. The number of bytes must be less than the maximum MTU specified in the network configuration.	integer	None	No
pingTimeoutMsec	Specifies the number of milliseconds to wait for each individual ping response.	integer	500 ms	No
prohibitFragmentation	Enables the DF (Do not Fragment) flag for the ICMP packets.	boolean	false	No
sourceAddressV4	The source IPv4 address to use in the ICMP ping packets.	string	None	Yes
sourceAddressV6	The source IPv6 address to use in the ICMP ping packets.	string	None	Yes
totalTimeoutSec	Specifies the time in seconds the ping should wait for a system response before issuing the next ping attempt or ending the process.	integer	5	No
virtualNetworkTag	The VLAN ID to use when sending the ping packets.	integer	None	Yes

Return values

This method has the following return values:

Name	Description	Type
details	List of each IP the node was able to communicate with and ping response statistics.	JSON object

Request example

Requests for this method are similar to the following example:

```
{
  "method": "CheckPingOnVlan",
  "params": {
    "interface": "Bond10G",
    "virtualNetworkTag": 4001,
    "sourceAddressV4": "192.168.41.4",
    "hosts": "192.168.41.2"
  },
  "id": 1
}
```

Response example

This method returns a response similar to the following example:

```

{
  "id": 1,
  "result": {
    "details": {
      "192.168.41.2": {
        "individualResponseCodes": [
          "Success",
          "Success",
          "Success",
          "Success",
          "Success"
        ],
        "individualResponseTimes": [
          "00:00:00.000373",
          "00:00:00.000098",
          "00:00:00.000097",
          "00:00:00.000074",
          "00:00:00.000075"
        ],
        "individualStatus": [
          true,
          true,
          true,
          true,
          true
        ],
        "interface": "Bond10G",
        "responseTime": "00:00:00.000143",
        "sourceAddressV4": "192.168.41.4",
        "successful": true,
        "virtualNetworkTag": 4001
      }
    },
    "duration": "00:00:00.244379",
    "result": "Passed"
  }
}

```

New since version

11.1

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