

Comware V7 OMS NETCONF XML API Configuration Reference

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OVS

OVS/IPv4Groups

This table contains IPv4 address object group information.

XML structure

```
<OVS>
  <IPv4Groups>
    <Group>
      <Name></Name>
      <Description></Description>
    </Group>
  </IPv4Groups>
</OVS>
```

Table description

Item	Description
Feature name	OVS
Table name	IPv4Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the IPv4 address object group	Index	String, case-insensitive. Length: 1 to 31 characters.
Description	Description for the IPv4 address object group	N/A	String. Length: 1 to 127 characters.

OVS/IPv4Objs

This table contains IPv4 address object information.

XML structure

```
<OMS>
  <IPv4Objs>
    <Obj>
      <Group></Group>
      <ID></ID>
      <Type></Type>
      <SubnetIPv4Address></SubnetIPv4Address>
      <IPv4Mask></IPv4Mask>
      <StartIPv4Address></StartIPv4Address>
      <EndIPv4Address></EndIPv4Address>
      <HostIPv4Address></HostIPv4Address>
      <HostName></HostName>
      <NestedGroup></NestedGroup>
    </Obj>
  </IPv4Objs>
</OMS>
```

Table description

Item	Description
Feature name	OMS
Table name	IPv4Objs
Table type	Multi-instance table
Row name	Obj
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the IPv4 address object group	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
ID	ID of the IPv4 address object	Index	Unsigned integer. Value range: 0 to 4294967295.	When you create an object with the ID 4294967295, the system automatically assigns the object an ID.

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Type of the IPv4 address object	N/A	Enumeration: • 0—Nested group. • 1—Subnet. • 2—Range. • 3—Host address. • 4—Host name.	Required.
SubnetIPv4Address	IPv4 subnet address	N/A	String, dotted decimal notation.	Required when the Type column is 1 . It must be configured together with the IPv4Mask column.
IPv4Mask	IPv4 subnet mask	N/A	String, dotted decimal notation.	Required when the Type column is 1 . It must be configured together with the SubnetIPv4Address column.
StartIPv4Address	Start IPv4 address	N/A	String, dotted decimal notation.	Required when the Type column is 2 . It must be configured together with the EndIPv4Address column.
EndIPv4Address	End IPv4 address	N/A	String, dotted decimal notation.	Required when the Type column is 2 . It must be configured together with the StartIPv4Address column.
HostIPv4Address	IPv4 address of the host	N/A	String, dotted decimal notation.	Required when the Type column is 3 .
HostName	Host name	N/A	String. Length: 1 to 60 characters.	Required when the Type column is 4 .
NestedGroup	Name of the nested IPv4 address object group	N/A	String, case-insensitive. Length: 1 to 31 characters.	Required when the Type column is 0 .

OMS/IPv6Groups

This table contains IPv6 address object group information.

XML structure

```
<OMS>
  <IPv6Groups>
    <Group>
```

```

        <Name></Name>
        <Description></Description>
    </Group>
</IPv6Groups>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	IPv6Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the IPv4 address object group	Index	String, case-insensitive. Length: 1 to 31 characters.
Description	Description for the IPv4 address object group	N/A	String. Length: 1 to 127 characters.

OMS/IPv6Objs

This table contains IPv6 address object information.

XML structure

```

<OMS>
  <IPv6Objs>
    <Obj>
      <Group></Group>
      <ID></ID>
      <Type></Type>
      <SubnetIPv6Address></SubnetIPv6Address>
      <IPv6PrefixLen></IPv6PrefixLen>
      <StartIPv6Address></StartIPv6Address>
      <EndIPv6Address></EndIPv6Address>
      <HostIPv6Address></HostIPv6Address>
      <HostName></HostName>
    </Obj>
  </IPv6Objs>
</OMS>

```

```

    <NestedGroup></NestedGroup>
  </Obj>
</IPv6Objs>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	IPv6Objs
Table type	Multi-instance table
Row name	Obj
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the IPv6 address object group	Index	String, case insensitive. Length: 1 to 31 characters.	N/A
ID	ID of the IPv6 address object	Index	Unsigned integer. Value range: 1 to 4294967295.	When you create an object with the ID 4294967295, the system automatically assigns the object an ID.
Type	Type of the IPv6 address object	N/A	Enumeration: • 0—Nested group. • 1—Subnet. • 2—Range. • 3—Host address. • 4—Host name.	Required.
SubnetIPv6Address	IPv6 subnet address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Required when the Type column is 1 . It must be configured together with the IPv6PrefixLen column.

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv6PrefixLen	Length of the IPv6 prefix	N/A	Unsigned integer. Value range: 1 to 128.	Required when Subnet the Type column is 1 . It must be configured together with the SubnetIPv6Address column.
StartIPv6Address	Start IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Required when the Type column is 2 . It must be configured together with the EndIPv6Address column.
EndIPv6Address	End IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Required when the Type column is 2 . It must be configured together with the StartIPv6Address column.
HostIPv6Address	IPv6 address of the host	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Required when the Type column is 3 .
HostName	Host name	N/A	String. Length: 1 to 60 characters.	Required when the Type column is 4 .
NestedGroup	Name of the nested IPv6 address object group	N/A	String, case insensitive. Length: 1 to 31 characters.	Required when the Type column is 0 .

OMS/ServGroups

This table contains service object group information.

XML structure

```

<OMS>
  <ServGroups>
    <Group>
      <Name></Name>
      <Description></Description>
    </Group>
  </ServGroups>
</OMS>

```


Table description

Item	Description
Feature name	OMS
Table name	ServGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the service object group	Index	String, case insensitive. Length: 1 to 31 characters.
Description	Description for the service object group	N/A	String. Length: 1 to 127 characters.

OMS/ServObjs

This table contains service object information.

XML structure

```
<OMS>
  <ServObjs>
    <Obj>
      <Group></Group>
      <ID></ID>
      <Type></Type>
      <Protocol></Protocol>
      <StartSrcPort></StartSrcPort>
      <EndSrcPort></EndSrcPort>
      <StartDestPort></StartDestPort>
      <EndDestPort></EndDestPort>
      <ICMPType></ICMPType>
      <ICMPCode></ICMPCode>
      <NestedGroup></NestedGroup>
    </Obj>
  </ServObjs>
</OMS>
```

Table description

Item	Description
Feature name	OMS
Table name	ServObjs
Table type	Multi-instance table
Row name	Obj
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the service object group	Index	String, case insensitive. Length: 1 to 31 characters.	N/A
ID	ID of the service object	Index	Unsigned integer. Value range: 0 to 4294967295.	When you create an object with the ID 4294967295, the system automatically assigns the object an ID.
Type	Type of the service object	N/A	Enumeration: • 0—Nested group. • 1—Protocol. This type specifies protocols other than the listed ones. • 2—ICMP (protocol number 1). • 3—TCP (protocol number 6). • 4—UDP (protocol number 17). • 5—ICMPv6 (protocol number 58).	Required.
Protocol	Protocol number	N/A	Unsigned integer. Value range: 0 to 255.	Required when the Type column is 1 .
StartSrcPort	Start source port number	N/A	Unsigned integer. Value range: 0 to 65535.	Required when the Type column is 3 or 4 . It must be configured together with the EndSrcPort column.
EndSrcPort	End source port number	N/A	Unsigned integer. Value range: 0 to 65535.	Required when the Type column is 3 or 4 . It must be configured together with the StartSrcPort column.

Column name	Column description	Column type	Data type and restrictions	Remarks
StartDestPort	Start destination port number	N/A	Unsigned integer. Value range: 0 to 65535.	Required when the Type column is 3 or 4 . It must be configured together with the EndDestPort column.
EndDestPort	End destination port number	N/A	Unsigned integer. Value range: 0 to 65535.	Required when the Type column is 3 or 4 . It must be configured together with the StartDestPort column.
ICMPType	Type of the ICMP message	N/A	Unsigned integer. Value range: 0 to 255.	Required when the Type column is 2 or 5 . It must be configured together with the ICMPCode column.
ICMPCode	Code of the ICMP message	N/A	Unsigned integer. Value range: 0 to 255.	Required when the Type column is 2 or 5 . It must be configured together with the ICMPType column.
NestedGroup	Name of the nested service object group	N/A	String, case insensitive. Length: 1 to 31 characters.	Required when the Type column is 0 .

OMS/PortGroups

This table contains port object group information.

XML structure

```

<OMS>
  <PortGroups>
    <Group>
      <Name></Name>
      <Description></Description>
    </Group>
  </PortGroups>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	PortGroups
Table type	Multi-instance table

Item	Description
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the port object group	Index	String, case insensitive. Length: 1 to 31 characters.
Description	Description for the port object group	N/A	String. Length: 1 to 127 characters.

OMS/PortObjs

This table contains port object information.

XML structure

```

<OMS>
  <PortObjs>
    <Obj>
      <Group></Group>
      <ID></ID>
      <Type></Type>
      <StartPort></StartPort>
      <EndPort></EndPort>
      <NestedGroup></NestedGroup>
    </Obj>
  </PortObjs>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	PortObjs
Table type	Multi-instance table
Row name	Obj
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the port object group	Index	String, case insensitive. Length: 1 to 31 characters.	N/A
ID	ID of the port object	Index	Unsigned integer. Value range: 0 to 4294967295.	When you create an object with the ID 4294967295, the system automatically assigns the object an ID.
Type	Type of the port object	N/A	Enumeration: • 0—Nested group. • 1—Range.	Required.
StartPort	Start port number	N/A	Unsigned integer. Value range: 0 to 65535.	Required when the Type column is 1 . It must be configured together with the EndPort column.
EndPort	End port number	N/A	Unsigned integer. Value range: 0 to 65535.	Required when the Type column is 1 . It must be configured together with the StartPort column.
NestedGroup	Name of the nested port object group	N/A	String, case insensitive. Length: 1 to 31 characters.	Required when the Type column is 0 .