

Comware V7 OMS NETCONF XML API Data Reference

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OVS

OVS/IPv4Groups

This table contains information about IPv4 address object groups.

XML structure

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

Table description

Item	Description
Feature name	OVS
Table name	IPv4Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the IPv4 address object group	Index	String. Length: 1 to 31 characters.
Description	Description for the IPv4 address object group	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of IPv4 address objects	N/A	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
InUse	Whether the IPv4 address object group is in use.	N/A	Boolean: true—The IPv4 address object group is in use. false—The IPv4 address object group is not in use.

OMS/SysIPv4Groups

This table contains information about pre-defined IPv4 address object groups.

XML structure

```

<OMS>
  <SysIPv4Groups>
    <Group>
      <Name></Name>
      <Description></Description>
      <ObjNum></ObjNum>
      <InUse></InUse>
    </Group>
  </SysIPv4Groups>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	SysIPv4Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

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

Column name	Column description	Column type	Data type and restrictions
ObjNum	Number of pre-defined IPv4 address objects	N/A	Unsigned integer.
InUse	Whether the pre-defined IPv4 address object group is in use.	N/A	Boolean: true—The pre-defined IPv4 address object group is in use. false—The pre-defined IPv4 address object group is not in use.

OMS/IPv4Objs

This table contains information about IPv4 address objects.

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

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the IPv4 address object group	Index	String. Length: 1 to 31 characters.	N/A
ID	ID of the IPv4 address object	Index	Unsigned integer. Value range: 0 to 4294967294.	N/A
Type	Type of the IPv4 address object	N/A	Enumeration: • 0—Nested group. • 1—Subnet. • 2—Range. • 3—Host address. • 4—Host name.	N/A
SubnetIPv4Address	IPv4 subnet address	N/A	String, dotted decimal notation.	The value of this column is valid if Type is 1 .
IPv4Mask	IPv4 subnet mask	N/A	String, dotted decimal notation.	The value of this column is valid if Type is 1 .
StartIPv4Address	Start IPv4 address	N/A	String, dotted decimal notation.	The value of this column is valid if Type is 2 .
EndIPv4Address	End IPv4 address	N/A	String, dotted decimal notation.	The value of this column is valid if Type is 2 .
HostIPv4Address	IPv4 address of the host	N/A	String, dotted decimal notation.	The value of this column is valid if Type is 3 .
HostName	Host name	N/A	String. Length: 1 to 60 characters.	The value of this column is valid if Type is 4 .
NestedGroup	Name of the nested IPv4 address object group	N/A	String. Length: 1 to 31 characters.	The value of this column is valid if Type is 0 .

OMS/IPv6Groups

This table contains information about IPv6 address object groups.

XML structure

```
<OMS>
  <IPv6Groups>
    <Group>
      <Name></Name>
```

```

    <Description></Description>
    <ObjNum></ObjNum>
    <InUse></InUse>
  </Group>
</IPv6Groups>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	IPv6Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the IPv6 address object group.	Index	String. Length: 1 to 31 characters.
Description	Description for the IPv6 address object group.	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of IPv6 address objects.	N/A	Unsigned integer.
InUse	Whether the IPv6 address object group is in use.	N/A	Boolean: true—The IPv6 address object group is in use. false—The IPv6 address object group is not in use.

OMS/SysIPv6Groups

This table contains information about pre-defined IPv6 address object groups.

XML structure

```

<OMS>
  <SysIPv6Groups>
    <Group>
      <Name></Name>
      <Description></Description>
    </Group>
  </SysIPv6Groups>
</OMS>

```

```

    <ObjNum></ObjNum>
    <InUse></InUse>
  </Group>
</SysIPv6Groups>
</OMS>

```

Table description

Item	Description
Feature name	OMS
Table name	SysIPv6Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the pre-defined IPv6 address object group.	Index	String. Length: 1 to 31 characters.
Description	Description for the pre-defined IPv6 address object group.	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of pre-defined IPv6 address objects.	N/A	Unsigned integer.
InUse	Whether the pre-defined IPv6 address object group is in use.	N/A	Boolean: true—The pre-defined IPv6 address object group is in use. false—The pre-defined IPv6 address object group is not in use.

OMS/IPv6Objs

This table contains IPv6 address object information.

XML structure

```

<OMS>
  <IPv6Objs>
    <Obj>
      <Group></Group>
      <ID></ID>
    </Obj>
  </IPv6Objs>
</OMS>

```



```

    <Type></Type>
    <SubnetIPv6Address></SubnetIPv6Address>
    <IPv6PrefixLen></IPv6PrefixLen>
    <StartIPv6Address></StartIPv6Address>
    <EndIPv6Address></EndIPv6Address>
    <HostIPv6Address></HostIPv6Address>
    <HostName></HostName>
    <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

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the IPv6 address object group	Index	String. Length: 1 to 31 characters.	N/A
ID	ID of the IPv6 address object	Index	Unsigned integer. Value range: 1 to 4294967294.	N/A
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. The value of this column is valid if Type is 1 .

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	The value of this column is valid if Type is 1 .
StartIPv6Address	Start IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. The value of this column is valid if Type is 2 .
EndIPv6Address	End IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. The value of this column is valid if Type is 2 .
HostIPv6Address	IPv6 address of the host	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. The value of this column is valid if Type is 3 .
HostName	Host name	N/A	String. Length: 1 to 60 characters.	The value of this column is valid if Type is 4 .
NestedGroup	Name of the nested IPv6 address object group	N/A	String. Length: 1 to 31 characters.	The value of this column is valid if Type is 0 .

OMS/ServGroups

This table contains information about service object groups.

XML structure

```

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

```

Table description

Item	Description
Feature name	OMS
Table name	ServGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the service object group.	Index	String. Length: 1 to 31 characters.
Description	Description for the service object group.	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of service objects.	N/A	Unsigned integer.
InUse	Whether the service object group is in use.	N/A	Boolean: • true—The service object group is in use. • false—The service object group is not in use.

OMS/SysServGroups

This table contains information about pre-defined service object groups.

XML structure

```
<OMS>
  <SysServGroups>
    <Group>
      <Name></Name>
      <Description></Description>
      <ObjNum></ObjNum>
      <InUse></InUse>
    </Group>
  </SysServGroups>
</OMS>
```

Table description

Item	Description
Feature name	OMS
Table name	SysServGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the pre-defined service object group.	Index	String. Length: 1 to 31 characters.
Description	Description for the pre-defined service object group.	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of pre-defined service objects.	N/A	Unsigned integer.
InUse	Whether the pre-defined system service object group is in use.	N/A	Boolean: • true—The pre-defined system service object group is in use. • false—The pre-defined system service object group is not in use.

OMS/ServObjs

This table contains information about service objects.

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

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the service object group	Index	String. Length: 1 to 31 characters.	N/A
ID	ID of the service object	Index	Unsigned integer. Value range: 0 to 4294967294.	N/A
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.	The value of this column is valid if Type is 1 .
StartSrcPort	Start source port number	N/A	Unsigned integer. Value range: 0 to 65535.	The value of this column is valid if Type is 3 or 4 .

Column name	Column description	Column type	Data type and restrictions	Remarks
EndSrcPort	End source port number	N/A	Unsigned integer. Value range: 0 to 65535.	The value of this column is valid if Type is 3 or 4 .
StartDestPort	Start destination port number	N/A	Unsigned integer. Value range: 0 to 65535.	The value of this column is valid if Type is 3 or 4 .
EndDestPort	End destination port number	N/A	Unsigned integer. Value range: 0 to 65535.	The value of this column is valid if Type is 3 or 4 .
ICMPType	Type of the ICMP message	N/A	Unsigned integer. Value range: 0 to 255.	The value of this column is valid if Type is 2 or 5 .
ICMPCode	Code of the ICMP message	N/A	Unsigned integer. Value range: 0 to 255.	The value of this column is valid if Type is 2 or 5 .
NestedGroup	Name of the nested service object group	N/A	String. Length: 1 to 31 characters.	The value of this column is valid if Type is 0 .

OMS/PortGroups

This table contains information about port object groups.

XML structure

```

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

```

Table description

Item	Description
Feature name	OMS
Table name	PortGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the port object group.	Index	String. Length: 1 to 31 characters.
Description	Description for the port object group.	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of port objects.	N/A	Unsigned integer.
InUse	Whether the port object group is in use.	N/A	Boolean: • true—The port object group is in use. • false—The port object group is not in use.

OMS/SysPortGroups

This table contains pre-defined port object group information.

XML structure

```
<OMS>
  <SysPortGroups>
    <Group>
      <Name></Name>
      <Description></Description>
      <ObjNum></ObjNum>
      <InUse></InUse>
    </Group>
  </SysPortGroups>
</OMS>
```

Table description

Item	Description
Feature name	OMS
Table name	SysPortGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the pre-defined port object group.	Index	String. Length: 1 to 31 characters.
Description	Description for the pre-defined port object group.	N/A	String. Length: 1 to 127 characters.
ObjNum	Number of pre-defined port objects.	N/A	Unsigned integer.
InUse	Whether the pre-defined port object group is in use.	N/A	Boolean: • true—The pre-defined port object group is in use. • false—The pre-defined port object group is not in use.

OMS/PortObjs

This table contains information about port objects.

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

Item	Description
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	Name of the port object group	Index	String. Length: 1 to 31 characters.	N/A
ID	ID of the port group object	Index	Unsigned integer. Value range: 0 to 4294967294.	N/A
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.	The value of this column is valid if Type is 1 .
EndPort	End port number	N/A	Unsigned integer. Value range: 0 to 65535.	The value of this column is valid if Type is 1 .
NestedGroup	Name of the nested port object group	N/A	String. Length: 1 to 31 characters.	The value of this column is valid if Type is 0 .