

Comware V7 NTP NETCONF XML API Data Reference

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NTP

NTP/Clients

This table contains NTP clients information.

XML structure

```
<NTP>
  <Clients>
    <Client>
      <Service></Service>
      <VRF></VRF>
      <AddressType></AddressType>
      <IpAddress></IpAddress>
      <HostMode></HostMode>
      <IfIndex></IfIndex>
      <KeyID></KeyID>
      <Version></Version>
      <Priority></Priority>
    </Client>
  </Clients>
</NTP>
```

Table description

Item	Description
Feature name	NTP
Table name	Clients
Table type	Multi-instance table
Row name	Client
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Service	Service type	Index	Enumeration: • 1—NTP. • 2—SNTP.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF	Index	String. Length: 0 to 31 characters.	It can be empty when it represents a public VRF instance.
AddressType	Address type.	Index	Enumeration: 1—IPv4 2—IPv6	IPv6 is not supported.
IpAddress	Remote IPv4 or IPv6 address.	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPv4 example: 1.1.1.1. IPv6 example: 1::1.
HostMode	Client mode	Index	Enumeration: 1—Symmetric active. 3—Client.	The symmetric active mode is supported only for NTP.
IfIndex	Source interface index.	N/A	Unsigned integer.	This column supports only Layer 3 interfaces.
KeyID	Key ID	N/A	Unsigned integer. Value range: 1 to 4294967295.	This column specifies the key used for calculating the packet digest when the local end sends NTP messages to the peer.
Version	NTP version	N/A	Unsigned integer. Value range: 1 to 4.	This column is only available for IPv4 address entries, and not available for IPv6 address entries.
Priority	Whether the specified peer is the first choice under the same condition.	N/A	Boolean: - true. - false.	Priority true is supported only for NTP.

NTP/ AuthenticationKey

This table contains information about NTP authentication.

XML structure

```

<NTP>
  <AuthenticationKey>
    <Authentication>
      <Service></Service>
      <KeyID></KeyID>
      <AuthKey></AuthKey>
      <Reliable></Reliable>
    </Authentication>
  </AuthenticationKey>
</NTP>

```

```

    </Authentication>
  </AuthenticationKey>
</NTP>

```

Table description

Item	Description
Feature name	NTP
Table name	AuthenticationKey
Table type	Multi-instance table
Row name	Authentication
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Service	Service type	Index	Enumeration: 1—NTP. 2—SNTP.	N/A
KeyID	Key ID	Index	Unsigned integer. Value range: 1 to 4294967295.	This column is used to identify an authentication key.
AuthKey	Key content	N/A	String. Length: 1 to 32 characters.	Plain text key calculated by using the MD5 algorithm for authentication.
Reliable	Whether the key is a trusted key.	N/A	Boolean: - true. - false.	N/A

NTP/ Service

This table contains NTP service information.

XML structure

```

<NTP>
  <Service>
    <NTPEnable></NTPEnable>
    <SNTPEnable></SNTPEnable>
    <NTPAuthEnable></NTPAuthEnable>
    <SNTPAuthEnable></SNTPAuthEnable>
  </Service>
</NTP>

```

```

    <NTPSource></NTPSource>
  </Service>
</NTP>

```

Table description

Item	Description
Feature name	NTP
Table name	Service
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
NTPEnable	Whether to enable the NTP service.	N/A	Boolean: • true. • false.	N/A
SNTPEnable	Whether to enable the SNTP service.	N/A	Boolean: • true. • false.	N/A
NTPAuthEnable	Whether to enable the NTP authentication function.	N/A	Boolean: • true. • false.	N/A
SNTPAuthEnable	Whether to enable the SNTP authentication function.	N/A	Boolean: • true. • false.	N/A
NTPSource	NTP source interface index.	N/A	Unsigned integer	This column supports only Layer 3 interfaces.

NTP/ RefClocks

This table contains NTP reference clock information.

XML structure

```

<NTP>
  <RefClocks>

```

```

    <RefClock>
      <RefID></RefID>
      <Stratum></Stratum>
    </RefClock>
  </RefClocks>
</NTP>

```

Table description

Item	Description
Feature name	NTP
Table name	RefClocks
Table type	Multi-instance table
Row name	RefClock
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RefID	Reference Clock ID.	Index	String, dotted decimal notation, which is 127.127.1.u, where u is in the range of 0 to 3.	N/A
Stratum	Stratum level of the local clock.	N/A	Unsigned integer. Value range: 1 to 15.	A lower stratum level represents a higher clock accuracy.

NTP/ Status

This table contains NTP status information.

XML structure

```

<NTP>
  <Status>
    <NTPSynchronized></NTPSynchronized>
    <SNTPSynchronized></SNTPSynchronized>
  </Status>
</NTP>

```

Table description

Item	Description
Feature name	NTP
Table name	Status
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
NTPSynchroni zed	Whether the NTP clock has been synchronized.	N/A	Boolean: • true. • false.	N/A
SNTPSynchron ized	Whether the SNTP clock has been synchronized	N/A	Boolean: • true. • false	N/A