

# Comware V7 Device NETCONF XML API Configuration Reference

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# Device

## Device/Base

This table contains device information.

### XML structure

```
<Device>
  <Base>
    <HostName></HostName>
    <ClockProtocol>
      <Protocol></Protocol>
      <MDCID></MDCID>
    </ClockProtocol>
    <TimeZone>
      <Zone></Zone>
      <ZoneName></ZoneName>
    </TimeZone>
  </Base>
</Device>
```

### Table description

| Item                                  | Description           |
|---------------------------------------|-----------------------|
| Feature name                          | Device                |
| Table name                            | Base                  |
| Table type                            | Single-instance table |
| Row name                              | N/A                   |
| Restrictions                          | None                  |
| Support for row creation and deletion | No                    |

### Columns

| Column name   | Column description | Column type    | Data type and restrictions                                                 | Remarks                                                   |
|---------------|--------------------|----------------|----------------------------------------------------------------------------|-----------------------------------------------------------|
| HostName      | Device name        | N/A            | String.<br>Length: 1 to 64 characters.                                     | N/A                                                       |
| ClockProtocol | System time source | Data structure | Members include: <ul style="list-style-type: none"><li>Protocol.</li></ul> | This data structure is supported only on the default MDC. |

| Column name | Column description                    | Column type    | Data type and restrictions                                                                                                                                                                                                                                                                                                                    | Remarks                                                                 |
|-------------|---------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
|             |                                       |                | <ul style="list-style-type: none"> <li>MDCID.</li> </ul>                                                                                                                                                                                                                                                                                      |                                                                         |
| Protocol    | Time protocol                         | N/A            | Enumeration: <ul style="list-style-type: none"> <li><b>2</b>—None.</li> <li><b>3</b>—NTP.</li> <li><b>4</b>—PTP.</li> </ul>                                                                                                                                                                                                                   | Required.<br>Support for NTP and PTP depends on the device model.       |
| MDCID       | ID of the MDC used as the time source | N/A            | Unsigned integer.<br>Value range: 1 to 65535.                                                                                                                                                                                                                                                                                                 | Supported and required on an MDC-supported device that uses NTP or PTP. |
| TimeZone    | Time zone and its name                | Data structure | Members include: <ul style="list-style-type: none"> <li>Zone.</li> <li>ZoneName.</li> </ul>                                                                                                                                                                                                                                                   | N/A                                                                     |
| Zone        | Time zone                             | N/A            | String.<br>Use one of the following formats: <ul style="list-style-type: none"> <li><b>Z</b> for the UTC.</li> <li>+HH:MM:SS for east time zone.</li> <li>-HH:MM:SS for west time zone.</li> </ul> Value ranges: <ul style="list-style-type: none"> <li><b>HH</b>—0 to 23.</li> <li><b>MM</b>—0 to 59.</li> <li><b>SS</b>—0 to 59.</li> </ul> | MM and SS are optional.                                                 |
| ZoneName    | Time zone name                        | N/A            | String.<br>Length: 1 to 32 characters.                                                                                                                                                                                                                                                                                                        | N/A                                                                     |

## Device/SummerTime

This table contains summer-time information.

### XML structure

```

<Device>
  <SummerTime>
    <Name></Name>
    <AddTime></AddTime>
    <DateBased>
      <BeginMonth></BeginMonth>
      <BeginDay></BeginDay>
      <BeginHour></BeginHour>
      <BeginMinute></BeginMinute>
      <BeginSecond></BeginSecond>
    
```

```

    <EndMonth></EndMonth>
    <EndDay></EndDay>
    <EndHour></EndHour>
    <EndMinute></EndMinute>
    <EndSecond></EndSecond>
  </DateBased>
  <WeekBased>
    <BeginMonth></BeginMonth>
    <BeginWeek></BeginWeek>
    <BeginWeekDay></BeginWeekDay>
    <BeginHour></BeginHour>
    <BeginMinute></BeginMinute>
    <BeginSecond></BeginSecond>
    <EndMonth></EndMonth>
    <EndWeek></EndWeek>
    <EndWeekDay></EndWeekDay>
    <EndHour></EndHour>
    <EndMinute></EndMinute>
    <EndSecond></EndSecond>
  </WeekBased>
</SummerTime>
</Device>

```

## Table description

| Item                                  | Description                                                                                                                                                                                                                                                           |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Feature name                          | Device                                                                                                                                                                                                                                                                |
| Table name                            | SummerTime                                                                                                                                                                                                                                                            |
| Table type                            | Single-instance table                                                                                                                                                                                                                                                 |
| Row name                              | N/A                                                                                                                                                                                                                                                                   |
| Restrictions                          | <p>Group DateBased and WeekBased are two configuration ways.</p> <p>Only one way can take effect at the same time.</p> <p>All the members of one group should be included when tack configuration action.</p> <p>New configuration will replace the existing one.</p> |
| Support for row creation and deletion | No                                                                                                                                                                                                                                                                    |

## Columns

| Column name | Column description            | Column type | Data type and restrictions             | Remarks |
|-------------|-------------------------------|-------------|----------------------------------------|---------|
| Name        | Name for the daylight saving. | N/A         | String.<br>Length: 1 to 32 characters. | N/A     |

| Column name | Column description                                | Column type    | Data type and restrictions                                                                                                                                                                                                                                                | Remarks                                                                                                                                          |
|-------------|---------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|             | time.                                             |                |                                                                                                                                                                                                                                                                           |                                                                                                                                                  |
| AddTime     | The time to be added to the standard time.        | N/A            | String.<br>Format:<br><ul style="list-style-type: none"> <li>• HH:MM:SS</li> </ul>                                                                                                                                                                                        | Value ranges: <ul style="list-style-type: none"> <li>• <b>HH</b>—0 to 23.</li> <li>• <b>MM</b>—0 to 59.</li> <li>• <b>SS</b>—0 to 59.</li> </ul> |
| DateBased   | Daylight saving time configuration based on date. | Data Structure | Members include: <ul style="list-style-type: none"> <li>• BeginMonth</li> <li>• BeginDay</li> <li>• BeginHour</li> <li>• BeginMinute</li> <li>• BeginSecond</li> <li>• EndMonth</li> <li>• EndDay</li> <li>• EndHour</li> <li>• EndMinute</li> <li>• EndSecond</li> </ul> | N/A                                                                                                                                              |
| BeginMonth  | Begin month.                                      | N/A            | Unsigned integer.<br>Value range: 1 to 12.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| BeginDay    | Begin day.                                        | N/A            | Unsigned integer.<br><ul style="list-style-type: none"> <li>• Value range: 1 to 31.</li> </ul>                                                                                                                                                                            | N/A                                                                                                                                              |
| BeginHour   | Begin hour.                                       | N/A            | Unsigned integer.<br><ul style="list-style-type: none"> <li>• Value range: 0 to 23.</li> </ul>                                                                                                                                                                            | N/A                                                                                                                                              |
| BeginMinute | Begin minute.                                     | N/A            | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| BeginSecond | Begin second.                                     | N/A            | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| EndMonth    | End month.                                        | N/A            | Unsigned integer.<br>Value range: 1 to 12.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| EndDay      | End day.                                          | N/A            | Unsigned integer.<br>Value range: 1 to 31.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| EndHour     | End hour.                                         | N/A            | Unsigned integer.<br>Value range: 0 to 23.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| EndMinute   | End minute.                                       | N/A            | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| EndSecond   | End second.                                       | N/A            | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                                                                                | N/A                                                                                                                                              |
| WeekBased   | Daylight saving time configuration based on week. | Data Structure | Members include: <ul style="list-style-type: none"> <li>• BeginMonth</li> <li>• BeginWeek</li> <li>• BeginWeekDay</li> </ul>                                                                                                                                              | N/A                                                                                                                                              |

| Column name  | Column description       | Column type | Data type and restrictions                                                                                                                                                                                                            | Remarks                                                       |
|--------------|--------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|              |                          |             | <ul style="list-style-type: none"> <li>• BeginHour</li> <li>• BeginMinute</li> <li>• BeginSecond</li> <li>• EndMonth</li> <li>• EndWeek</li> <li>• EndWeekDay</li> <li>• EndHour</li> <li>• EndMinute</li> <li>• EndSecond</li> </ul> |                                                               |
| BeginMonth   | Begin month.             | N/A         | Unsigned integer.<br>Value range: 1 to 12.                                                                                                                                                                                            | N/A                                                           |
| BeginWeek    | Begin week of the month. | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• 1—The first week</li> <li>• 2—The second week</li> <li>• 3—The third week</li> <li>• 4—The fourth week</li> <li>• 5—The fifth week</li> <li>• 6—The last week</li> </ul>        | Non-existent weeks of the month are treated as the last week. |
| BeginWeekDay | Begin day of week.       | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• 0—Sunday</li> <li>• 1—Monday</li> <li>• 2—Tuesday</li> <li>• 3—Wednesday</li> <li>• 4—Thursday</li> <li>• 5—Friday</li> <li>• 6—Saturday</li> </ul>                             | N/A                                                           |
| BeginHour    | Begin hour .             | N/A         | Unsigned integer.<br>Value range: 0 to 23.                                                                                                                                                                                            | N/A                                                           |
| BeginMinute  | Begin minute.            | N/A         | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                                            | N/A                                                           |
| BeginSecond  | Begin second.            | N/A         | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                                            | N/A                                                           |
| EndMonth     | End month.               | N/A         | Unsigned integer.<br>Value range: 1 to 12.                                                                                                                                                                                            | N/A                                                           |
| EndWeek      | End week of the month.   | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• 1—The first week</li> <li>• 2—The second week</li> <li>• 3—The third week</li> <li>• 4—The fourth week</li> <li>• 5—The fifth week</li> <li>• 6—The last week</li> </ul>        | Non-existent weeks of the month are treated as the last week. |

| Column name | Column description | Column type | Data type and restrictions                                                                                                                                                                                | Remarks |
|-------------|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| EndWeekDay  | End day of week.   | N/A         | Enumeration: <ul style="list-style-type: none"> <li>• 0—Sunday</li> <li>• 1—Monday</li> <li>• 2—Tuesday</li> <li>• 3—Wednesday</li> <li>• 4—Thursday</li> <li>• 5—Friday</li> <li>• 6—Saturday</li> </ul> | N/A     |
| EndHour     | End hour .         | N/A         | Unsigned integer.<br>Value range: 0 to 23.                                                                                                                                                                | N/A     |
| EndMinute   | End minute.        | N/A         | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                | N/A     |
| EndSecond   | End second.        | N/A         | Unsigned integer.<br>Value range: 0 to 59.                                                                                                                                                                | N/A     |