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Configuration Layer Objects Reference Guide

CfgTimeZone

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CfgTimeZone

Description

Time Zones are predefined objects that provide CTI applications with information about world time zones. Each object describes one time zone.

Filter Keys

| Filter Name | Type | Description |
|-----------------|--------|--|
| dbid | int | A unique identifier of the time zone. If specified, Configuration Server will return information only about this time zone. |
| name | string | Name of a time zone. Shall be specified as a character string. If specified, Configuration Server will return information only about the time zone with that name. |
| tenant_dbid | int | A unique identifier of a tenant. If specified, Configuration Server will return information only about the time zone(s) that belong to this tenant. |
| offset | int | A time zone offset. If specified, Configuration Server will return information only about the time zone(s) with that offset. |
| name_netscape | string | A pointer to the time zone name used by Netscape Navigator browser. Shall be specified as a character string. If specified, Configuration Server will return information only about the time zone(s) with that name. |
| name_msexplorer | string | A pointer to the time zone name used by Microsoft browser. Shall be specified as a character string. If specified, Configuration Server will return information only about the time zone(s) with that name. |
| state | int | Current state of the time zone (see CfgObjectState). If specified, |

| Filter Name | Type | Description |
|-------------|------|--|
| | | Configuration Server will return information only about the time zone(s) that are currently in this state. |

Attributes

- **DBID** — An identifier of this object in the Configuration Database. Generated by Configuration Server and is unique within an object type. Identifiers of deleted objects are not used again. Read-only.
- **tenantDBID** — A unique identifier of the **CfgTenant** to which this time zone is allocated. Mandatory. Once specified, cannot be changed.
- **name** — A pointer to time zone name. Mandatory. Must be unique within tenant environment.
- **description** — A pointer to the time zone description.
- **offset** — A time zone offset. Any integer value from -24 to 24. Must be considered as value -12 to 12 with 0.5 hour step.
- **isDSTobserved** — A flag which determines whether or not DST is used. Refer to **CfgFlag** from User Defined Variable Types.
- **DSTStartDate** — DST start date. The value is: measured in seconds if 6.0 definition schema is uses. Refer to `time_t` from `time.h` of ANSI C library. Year value range 0-2038; performed based on calculation schema. (See comments.)
- **DSTStopDate** — DST stop date. The value is: measured in seconds if 6.0 definition schema is uses. Refer to `time_t` from `time.h` of ANSI C library. Year value range 0-2038; performed based on calculation schema. (See comments.)
- **DSTOffset** — The value of DST offset. Default is 60 (minutes).
- **nameNetscape** — A pointer to the time zone name used by Netscape Navigator browser. Mandatory.
- **nameMSExplorer** — A pointer to the time zone name used by Microsoft browser. Mandatory
- **state** — Current object state. Mandatory. Refer to **CfgObjectState**.
- **userProperties** — A pointer to the list of user-defined properties. Parameter `userProperties` has the following structure: Each key-value pair of the primary list (`TKVList *userProperties`) uses the key for the name of a user-defined section, and the value for a secondary list, that also has the `TKVList` structure and specifies the properties defined within that section.

Comments

`time_t` = `int` or `long` (i.e. at least a 32-bit value)

The `time_t` type is logically divided into several sections that contain important information, as described by the following bit-mask:

Time_t Bit Mask Description

| Bits | Description | Range | Comments |
|-------|------------------------|-------------------------|---|
| 0-3 | Month | 0-12 | <ul style="list-style-type: none"> DST is not Observed=0 Jan=1 ... Dec=12 |
| ##### | Week | 0-5, 7 | <ul style="list-style-type: none"> DST is not observed or week is not specified = 0 Last week of month = 7 <p>Note:</p> <ul style="list-style-type: none"> The day of last week of month=week will be set to 7, if the day of week does not occur on last week The day of last week of month=week will be set to 1, if the day of week does not occur on first week |
| ##### | Day | 0-31, 63 | <ul style="list-style-type: none"> DST is not observed = 0 Last day of month = 63 If week is specified (week!=0) the range should be 1-7 Sun=1 ... Sat=7 |
| 13-18 | Start_time, Stop_Time | 0-47 in 30 minute units | 1:00 am = 2 |
| 19-24 | Year (shift from 2000) | 0, 1-38, 39-63 | <ul style="list-style-type: none"> Only if Time Zone is defined for specific Year. 2001 = 1 DST is not observed or year is not specified=0 Values within range 39-63 are not valid |

| Bits | Description | Range | Comments |
|-------|--|----------|--|
| 25-30 | reserved | reserved | reserved |
| ##### | A flag to recognize custom/6.0 time zone | reserved | <ul style="list-style-type: none"> Has to be used to distinguish custom time zones and time zones created before release 6.1: New Style = 1 Old Style or custom time zone = 0 |

Definition of Time Zones for Calculation Schema

| Name | Description | offset | IsDST | Month | Week | Date | Time_start | Month | Week | Date | Time_stop | Year |
|------|------------------------------|--------|-------|-------|------|------|------------|-------|------|------|-----------|------|
| GMT | Greenwich Mean Time | 0 | TRUE | 3 | 7 | 1 | 4 | 10 | 7 | 1 | 6 | 0 |
| ECT | European Central Time | 2 | TRUE | 3 | 7 | 1 | 4 | 10 | 7 | 1 | 6 | 0 |
| EET | Eastern European Time | 4 | TRUE | 3 | 7 | 1 | 6 | 10 | 7 | 1 | 8 | 0 |
| ART | (Arabic) Egypt Standard Time | 4 | TRUE | 4 | 7 | 6 | 0 | 9 | 7 | 6 | 0 | 0 |
| EAT | Eastern African Time | 6 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MET | Middle East Time | 7 | TRUE | 3 | 0 | 20 | 0 | 9 | 0 | 22 | 0 | 0 |
| NET | Near East Time | 8 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PLT | Pakistan Lahore Time | 10 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IST | India Standard Time | 11 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BST | Bangladesh Standard Time | 12 | TRUE | 3 | 7 | 1 | 0 | 10 | 7 | 1 | 0 | 0 |
| VST | Vietnam Standard | 14 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Name | Description | Offset | IsDST | Month | Week | Date | Time_start | Month | Week | Date | Time_stop | Year |
|------|---------------------------|--------|-------|-------|------|------|------------|-------|------|------|-----------|------|
| | Time | | | | | | | | | | | |
| CTT | China Taiwan Time | 16 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JST | Japan Standard Time | 18 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KST | Korea Standard Time | 18 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ACT | Australia Central Time | 19 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AET | Australia Eastern Time | 20 | TRUE | 8 | 7 | 7 | 4 | 3 | 7 | 1 | 4 | 0 |
| SST | Solomon Standard Time | 22 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NST | New Zealand Standard Time | 24 | TRUE | 10 | 1 | 1 | 4 | 3 | 3 | 1 | 6 | 0 |
| MIT | Midway Islands Time | -22 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HST | Hawaii Standard Time | 20 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AST | Alaska Standard Time | 18 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |
| PST | Pacific Standard Time | 16 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |
| PNT | Phoenix Standard Time | 14 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MST | Mountain Standard Time | 14 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |
| CST | Central Standard Time | 12 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |
| EST | Eastern Standard Time | 10 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |
| IET | Indiana | -10 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Name | Description | Offset | IsDST | Month | Week | Date | Time_start | Month | Week | Date | Time_stop | Year |
|-------|--|--------|-------|-------|------|------|------------|-------|------|------|-----------|------|
| | Eastern Standard | | | | | | | | | | | |
| PRT | Puerto Rico and US Virgin Islands Time | -8 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CNT | Canada Newfoundland Time | -7 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |
| AGT | Argentina Standard Time | -6 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BET | Brazil Eastern Time | -6 | TRUE | 10 | 2 | 1 | 0 | 2 | 7 | 1 | 0 | 0 |
| CAT | Central African Time | -2 | FALSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AtIST | Atlantic Standard Time | -8 | TRUE | 4 | 1 | 1 | 4 | 10 | 7 | 1 | 4 | 0 |

The DSTStartTime/DSTStopTime can be calculated using function ConfCalculateTimeZone().

XML Representation

Tip

This XML was created using the Configuration Server 7.5 schema.

```
<CfgTimeZone>
  <DBID value="101" />
  <tenantDBID value="1" />
  <name value="GMT" />
  <description value="Greenwich Mean Time" />
  <offset value="0" />
  <isDSTobserved value="2" />
  <DSTStartDate value="-2147450637" />
  <DSTStopDate value="-2147434246" />
  <nameNetscape value="GMT" />
  <nameMSExplorer value="GMT" />
  <state value="1" />
  <DSTOffset value="60" />
</CfgTimeZone>
```

CfgTimeZone

See Also

[CfgDeltaTimeZone](#)