

Re: clock format and timezones

Source: <http://coding.derkeiler.com/Archive/Tcl/comp.lang.tcl/2004-04/0533.html>

From: Mike Tuxford (*tuxfordNOSPAM_at_NORETURNearthlink.net*)

Date: 04/16/04

Date: Thu, 15 Apr 2004 23:02:42 GMT

WL <me@privacy.net> wrote:

:I'm trying to output some timestamps according to specific
:timezones. I tried using the `-gmt` flag, but it doesn't seem
:to make a difference. This is on netbsd/alpha with tcl 8.4.2
:via telkit.

...

Well, continuously changing the system timezone might be
one way to approach the problem but I'd rather create a unix
timestamp based on a relative offset from GMT.

```
array set tz {
  UTC +0 GMT +0 BST +1 IST +1 WET +0 WEST +1
  CET +1 CEST +2 EET +2 EEST +3 MSK +3 MSD +4
  AST -4 ADT -3 EST -5 EDT -4 CST -6 CDT -5
  MST -7 MDT -6 PST -8 PDT -7 HST -10 AKST -9
  AKDT -8 AEST +10 AEDT +11 AWST +8 ACST +9.5
  Y -12 X -11 W -10 V -9 U -8 T -7 S -6 R -5
  Q -4 P -3 O -2 N -1 Z 0 A +1 B +2 C +3 D +4
  E +5 F +6 G +7 H +8 I +9 K +10 L +11 M +12
}
```

```
if {[length $argv] == 0 || \
    ![info exists tz([string toupper \
    [lindex $argv 0]])]} {
  puts "Syntax: tz <timezone>"
  exit
}
```

```
# calculate the time offset
set os [expr round($tz([string toupper \
    [lindex $argv 0]])*3600)]
```

```
# calculate the unix timestamp
set ts [expr {[clock scan "now" -base \
    [clock seconds] -gmt 1]+$os}]
```

comp.lang.tcl: Re: clock format and timezones

```
# output our local time
puts " here: [clock format [clock seconds] \
  -format "%c %Z" -gmt 0]"
```

```
# output the other timezone
puts "there: [clock format $ts -format \
  "%c [lindex $argv 0]" -gmt 1]"
```

--

```
_____  
//\ \ike ||uxford  
tuxford@earthlink.net
```