Timezone Troubles

Erik Swanson

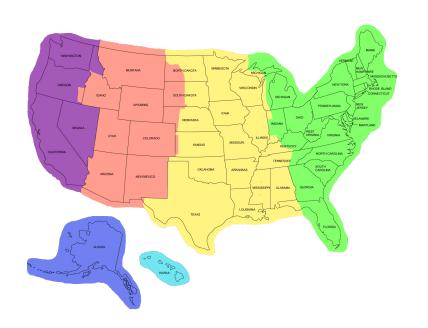
May 28, 2014

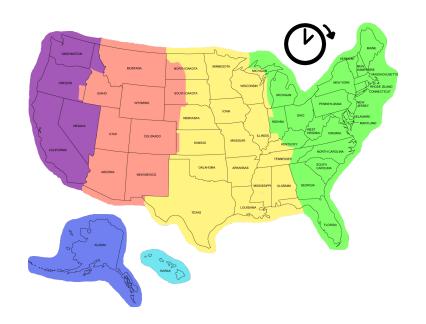


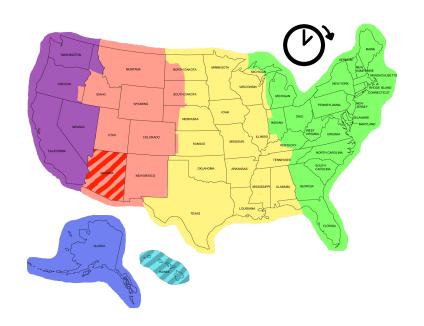


Do you support users in different timezones?



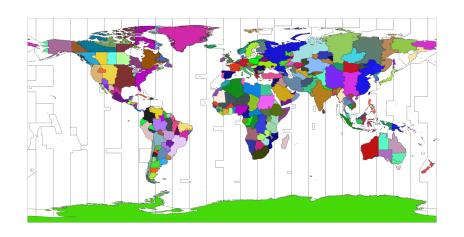








What about global users?



These things are changing all the time.

2013 Timezone Changes

- New Zones: Asia/Khandyga, Asia/Ust-Nera, Europe/Busingen.
- Palestine observed DST starting March 29, 2013.
- Paraguay's observation of DST moved to the 4th Sunday in March every year.
- Israel now falls back on the last Sunday of October.
- This year Fiji will start DST on October 27, not October 20.
- Morocco now observes DST from the last Sunday in March to the last Sunday in October.
- ▶ Jordan switches back to standard time at 00:00 on December 20, 2013. The 2006-2011 transition schedule is planned to resume in 2014.

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Even more fortunately, python has timezone tools.

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current_time = datetime.utcnow()
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Only convert to local time on display.

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from datetime import tzinfo
help(tzinfo)
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I thought you said there were tools?

pytz

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len(pytz.common_timezones) # 403
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len(pytz.common_timezones) # 403
pytz.common_timezones
... 'Antarctica/Vostok',
'Arctic/Longyearbyen', 'Asia/Aden',
'Asia/Almaty', 'Asia/Amman',
'Asia/Anadyr', 'Asia/Aqtau' ...
```

pytz conversion

```
from datetime import datetime
from pytz import timezone
from_zone = timezone('UTC')
to_zone = timezone('America/Eastern')
utc = datetime.utcnow()
utc = utc.replace(tzinfo=from_zone)
eastern = utc.astimezone(to_zone)
# pytz.normalize
```

others

- date, time, calendar
- dateutils
- django-timezone-field

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A PyPi search for "timezone" yields 238 results. The first 29 all seem pretty relevant.

Prefereably Only One

There isn't. But we're working on it.

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fleming

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Please Help.