

Timezone and ISO8601 struggles with datetime and xml.utils.iso8601.parse

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Hello,

I am trying to convert a local time into UTC ISO8601, then parse it back into local time. I tried the following:

```
-----  
#!/usr/bin/python  
import time  
import datetime  
import xml.utils.iso8601  
  
year = 2005  
month = 7  
day = 22  
hour = 10 # This is localtime  
minute = 30  
  
mydatetime = datetime.datetime(year, month, day, hour, minute)  
strtime = mydatetime.isoformat()  
  
print "Time: " + strtime # Localtime too  
mytimestamp = xml.utils.iso8601.parse(strtime)  
-----
```

How can I convert this into UTC? Commonsense would have me guess that the date is converted into UTC on construction of the datetime object, however, this doesn't seem to be the case. I also found the `astimezone(tz)` method, but where can I obtain the concrete tz object?

The second problem has to do with the ISO8601 parser, which raises the following error:

```
-----  
Traceback (most recent call last):  
File "./timetest.py", line 16, in ?  
mytimestamp = xml.utils.iso8601.parse(strtime)  
File "/usr/lib/python2.4/site-packages/_xmlplus/utils/iso8601.py",  
line 22, in parse
```

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```
raise ValueError, "unknown or illegal ISO-8601 date format: " + `s`
ValueError: unknown or illegal ISO-8601 date format:
'2005-07-22T10:30:00'
```

Why does it fail to parse the value returned by the datetime object,
and how can I create a parseable time from the datetime object?

Thanks,
-Samuel

- *Follow-Ups:*

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