pyiso8601 Documentation

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This module parses the most common forms of ISO 8601 date strings (e.g. 2007-01-14T20:34:22+00:00) into datetime objects.

```
>>> import iso8601
>>> iso8601.parse_date("2007-01-25T12:00:00Z")
datetime.datetime(2007, 1, 25, 12, 0, tzinfo=<iso8601.Utc>)
>>>
```

This module is released under a MIT license.

If you want more full featured parsing look at:

- http://labix.org/python-dateutil - python-dateutil

CHAPTER 1

Parsed Formats

You can parse full date + times, or just the date. In both cases a datetime instance is returned but with missing times defaulting to 0, and missing days / months defaulting to 1.

1.1 Dates

- YYYY-MM-DD
- YYYYMMDD
- YYYY-MM (defaults to 1 for the day)
- YYYY (defaults to 1 for month and day)

1.2 Times

- hh:mm:ss.nn
- hhmmss.nn
- hh:mm (defaults to 0 for seconds)
- hhmm (defaults to 0 for seconds)
- hh (defaults to 0 for minutes and seconds)

1.3 Time Zones

- Nothing uses the default timezone given (UTC).
- Z (UTC)
- +/-hh:mm

- +/-hhmm
- +/-hh

CHAPTER 2

Where it Differs From ISO 8601

Known differences from the ISO 8601 spec:

- You can use a ” ” (space) instead of T for separating date from time.
- Days and months without a leading 0 (2 vs 02) will be parsed.
- If time zone information is omitted the default time zone given is used (which in turn defaults to UTC). Use a default of None to yield naive datetime instances.

CHAPTER 3

Installation

To install simply use pip:

```
pip install iso8601
```

CHAPTER 4

API

CHAPTER 5

Authors

Currently active committers:

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