

Quest for Open Source

or how I contributed to Python, Pandas and matplotlib


Journey begins. matplotlib




```
Traceback (most recent call last):
  File "C:\miniconda\envs\p3\lib\threading.py", line 914, in _bootstrap_inner
    self.run()
  File "C:\miniconda\envs\p3\lib\threading.py", line 862, in run
    self._target(*self._args, **self._kwargs)
  File "C:\miniconda\envs\p3\lib\multiprocessing\pool.py", line 429, in _handle_results
    task = get()
  File "C:\miniconda\envs\p3\lib\multiprocessing\connection.py", line 251, in recv
    return ForkingPickler.loads(buf.getbuffer())
  File "C:\miniconda\envs\p3\lib\site-packages\matplotlib\dates.py", line 730, in __getattr__
    return getattr(self._rrule, name)







...

  File "C:\miniconda\envs\p3\lib\site-packages\matplotlib\dates.py", line 730, in __getattr__
    return getattr(self._rrule, name)
RecursionError: maximum recursion depth exceeded
```


Ninja commit


 **ahcub / matplotlib**
forked from matplotlib/matplotlib




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Branch: master ▾ **matplotlib / lib / matplotlib / dates.py** Find file Copy path

 **ahcub** !U remove the redundant whitespace 6bc363b on Jan 19, 2017

32 contributors  and others

1554 lines (1246 sloc) | 51.1 KB Raw Blame History   

Edit this file



```
1  """
2  Matplotlib provides sophisticated date plotting capabilities, standing on the
3  shoulders of python :mod:`datetime`, the add-on modules :mod:`pytz` and
```

TZ aware Pandas are coming

```
>>> print(df.resample('12h', closed='right', label='right').last().ffill())
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "C:\miniconda\envs\p_old\lib\site-packages\pandas\tseries\resample.py", line 540, in f
    return self._downsample(_method)
  File "C:\miniconda\envs\p_old\lib\site-packages\pandas\tseries\resample.py", line 671, in
    _downsample
    self._set_binner()
  File "C:\miniconda\envs\p_old\lib\site-packages\pandas\tseries\resample.py", line 237, in
    _set_binner
    self.binner, self.grouper = self._get_binner()
  File "C:\miniconda\envs\p_old\lib\site-packages\pandas\tseries\resample.py", line 245, in
    _get_binner
    binner, bins, binlabels = self._get_binner_for_time()
  File "C:\miniconda\envs\p_old\lib\site-packages\pandas\tseries\resample.py", line 660, in
    _get_binner_for_time
    return self.groupby._get_time_bins(self.ax)
  File "C:\miniconda\envs\p_old\lib\site-packages\pandas\tseries\resample.py", line 1144, in
    _get_time_bins
    ax_values, bin_edges, self.closed, hasnans=ax.hasnans)
  File "pandas\lib.pyx", line 1257, in pandas.lib.generate_bins_dt64 (pandas\lib.c:22261)
ValueError: Values falls after last bin
```

Change that “fixes” the problem.
Second attempt and facing a hard truth.

```
ax = ax.tz_convert('UTC')
```

```
kwargs.pop('values_present', False)
```



jreback on Nov 19, 2017

Contributor

what the heck is all of this?

Change that meant to be

```
if len(binner) > 1 and binner[-1] < last:
    extra_date_range = pd.date_range(binner[-1],
                                     last + self.freq,
                                     freq=self.freq, tz=tz,
                                     name=ax.name)
    binner = labels = binner.append(extra_date_range[1:])
```

Python contribution opportunity



will 19:04

@alex im getting this error alot :

Traceback (most recent call last):

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\process.py", line 249, in _bootstrap
    self.run()
```

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\process.py", line 93, in run
    self._target(*self._args, **self._kwargs)
```

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\pool.py", line 108, in worker
    task = get()
```

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\queues.py", line 342, in get
    res = self._reader.recv_bytes()
```

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\connection.py", line 216, in recv_bytes
    buf = self._recv_bytes(maxlength)
```

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\connection.py", line 318, in _recv_bytes
    return self._get_more_data(ov, maxsize)
```

```
File "C:\ProgramData\Miniconda3\envs\p3\lib\multiprocessing\connection.py", line 337, in _get_more_data
    assert left > 0
```

AssertionError

How to debug C python on Windows

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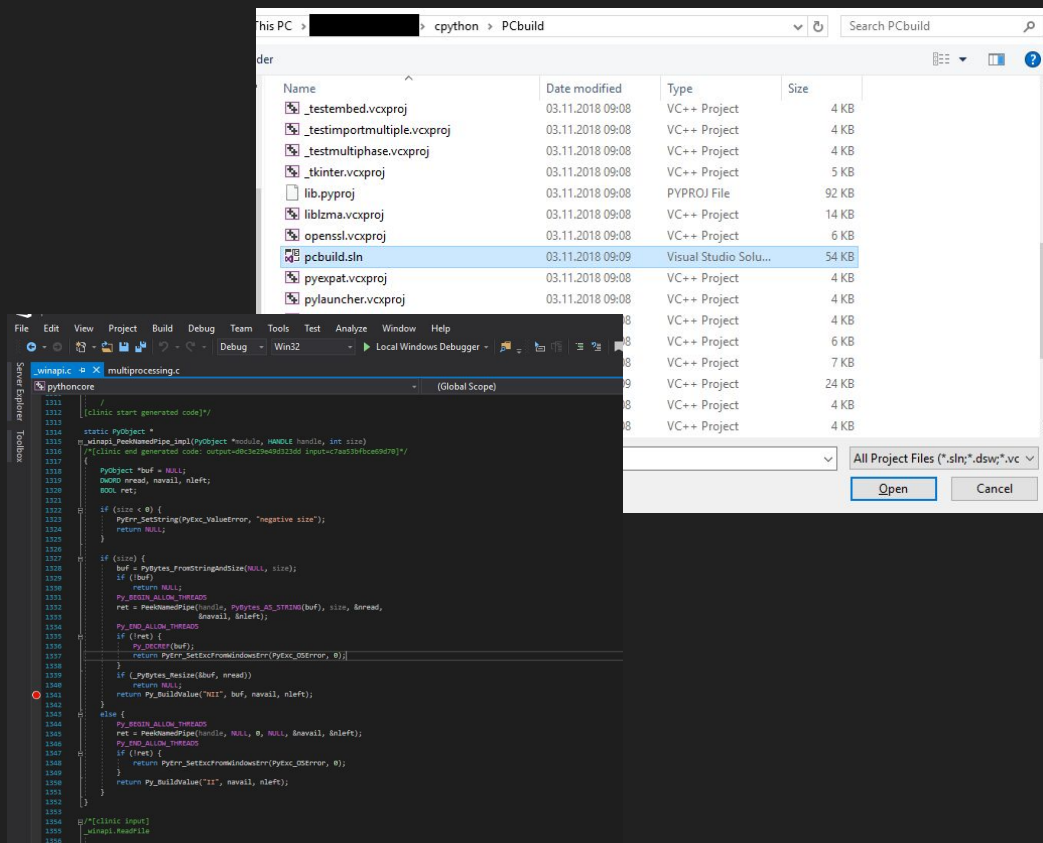
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```
cd ...\\cpython\\PCbuild
...\\cpython\\PCbuild>build.bat
```



What is clinic and how to deal with it

View

s PC > [redacted] cpython > Tools > clinic

Name	Date modified	Type	Size
 clinic.py	03.11.2018 09:09	JetBrains PyCharm	157 KB
 cpp.py	03.11.2018 09:08	JetBrains PyCharm	7 KB

#only on linux

```
cpython]$ ./Tools/clinic/clinic.py --make
```


```
/*[clinic input]
_winapi.ReadFile

    handle: HANDLE
    size: DWORD
    overlapped as use_overlapped: bool(accept={int}) = False
[clinic start generated code]*/

static PyObject *
_winapi_ReadFile_impl(PyObject *module, HANDLE handle, DWORD size,
    int use_overlapped)
/*[clinic end generated code: output=d3d5b44a8201b944 input=08c439d03a11aac5]*/
{
```

No news are good news (unless you wrote it)


1 + Fix for invalid assert on big output of multiprocessing.Process

 **vstinner** on Sep 3 Member


You should mention `_winapi.PeekNamedPipe()` and `_winapi.ReadFile()`. Maybe:

```
Fix _winapi.PeekNamedPipe() and _winapi.ReadFile() for read larger than INT_MAX (usually 2^31-1).
```

I'm not sure that it's worth it to mention multiprocessing in the NEWS entry.


 **serhiy-storchaka** on Sep 3 Member

`_winapi` is a private module. `_winapi.PeekNamedPipe()` and `_winapi.ReadFile()` are used only in `multiprocessing.connection`. It is an implementation detail. The end user uses `multiprocessing`.



 **vstinner** on Sep 3 Member

Ok, so maybe mention both: `_winapi` and `multiprocessing.Connection` fixes. Example:

On Windows, fix `multiprocessing.Connection` for very large read: fix `_winapi.PeekNamedPipe()` and `_winapi.ReadFile()` for read larger than `INT_MAX` (usually `2^31-1`).

  **vstinner** approved these changes on Sep 3

LGTM even if I'm unhappy with the NEWS entry.

  **vstinner** reviewed on Sep 3

I like the new NEWS entry :-D (obviously, since I wrote it.)

CLA not signed

Python Software Fou. 3

Contributor Agreement between Python Software Foundation and Oleksandr Buchkovskyi is Signed and Filed! -



Contributor Agr...



Contributor Agr...



Contributor Agr...

Waiting for the



The Knights Who Say "Ni" (bot) the-knights-who-say-ni

CLA bot for the @python organization

core-workflow mailing list

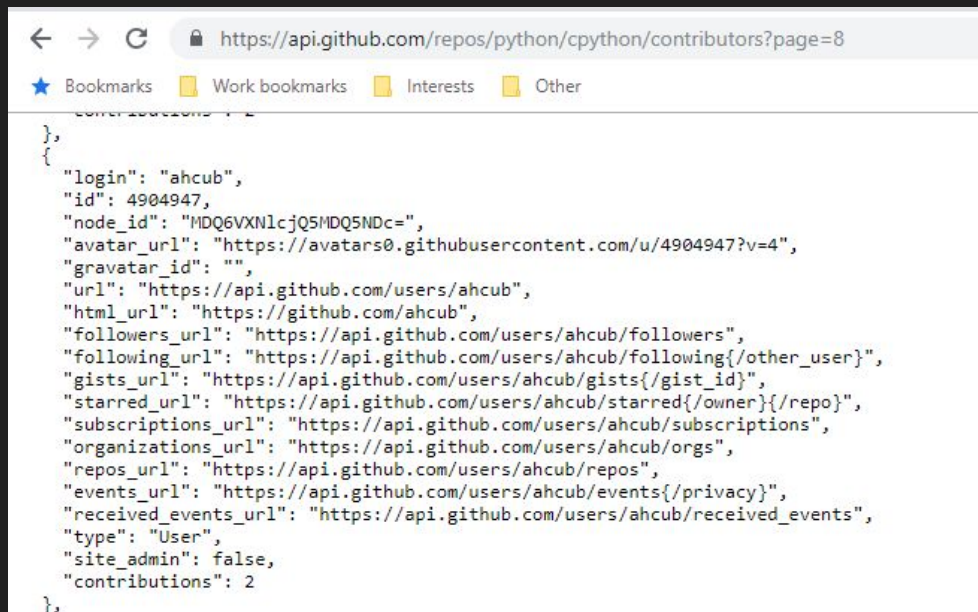
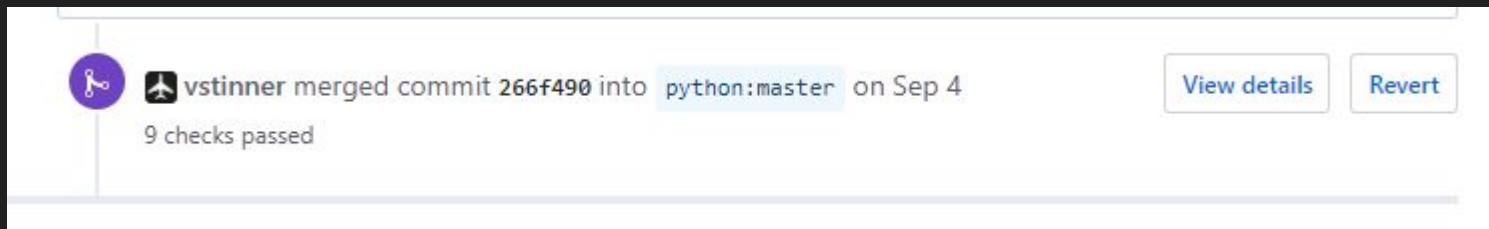


vstinne



the-knights-who-say-ni added the **CLA not signed** label on Sep 3

Best birthday present



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