

# Real time web apps using Python

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**<http://github.com/andymckay/presentations>**

# Disclaimer

**There's a long time between talk  
submissions and talking.  
I promised I'd never do this.**

# Disclaimer (2)

**This is a rip off of Alexandre Bourget  
ConFoo 2011 talk**

<http://blog.abourget.net/2011/3/09/new-and-hot-stuff-in-the-pylons-project/>





# Mozilla Webdev Addons\*, Marketplace

**\* Standard website with lots of traffic.**

**node.js** is awesome  
...but Python can do non-  
blocking stuff too

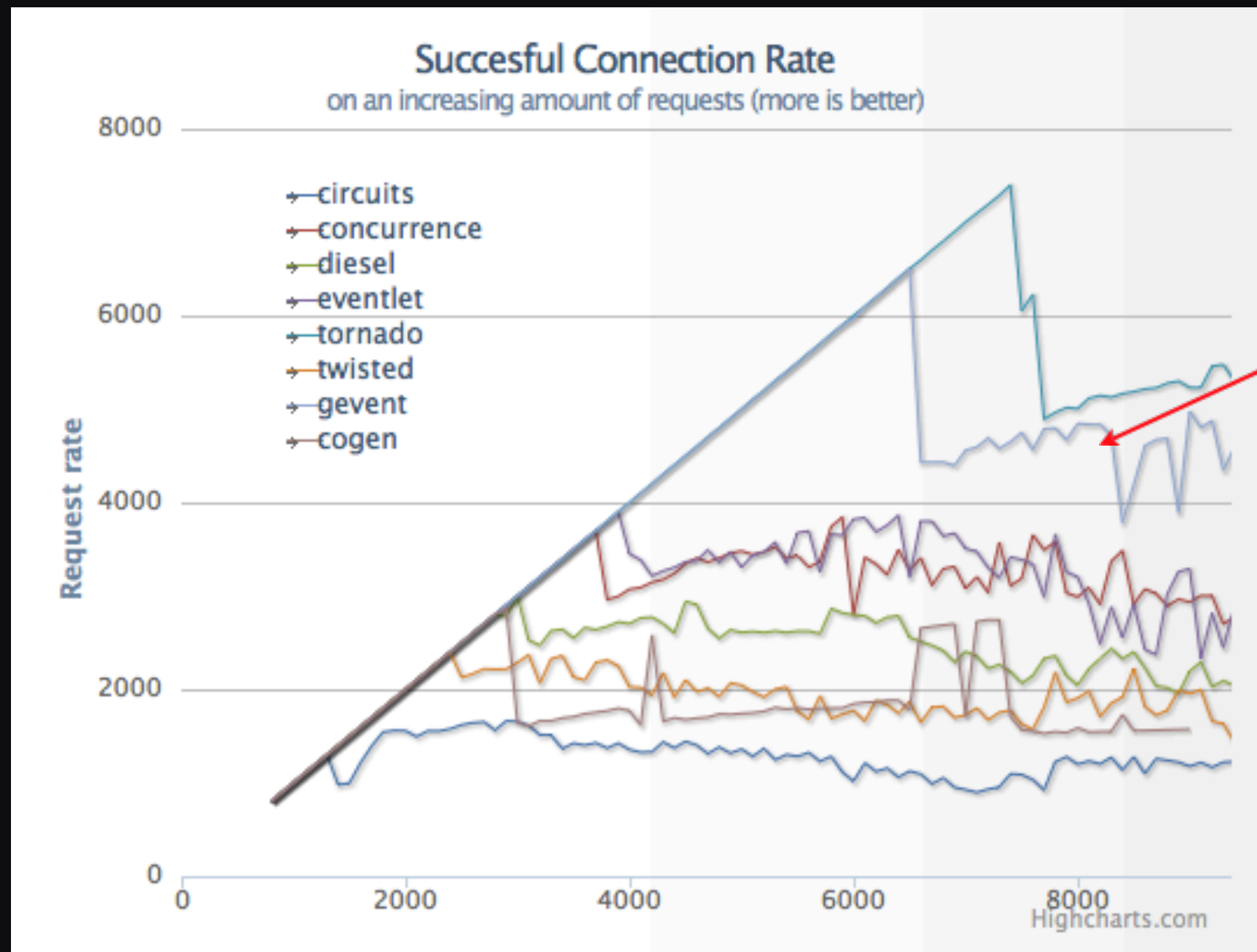
# Async Support

**Twisted (callbacks)**

**Tornado (async)**

**gevent (greenlet)**

<http://nichol.as/asynchronous-servers-in-python>





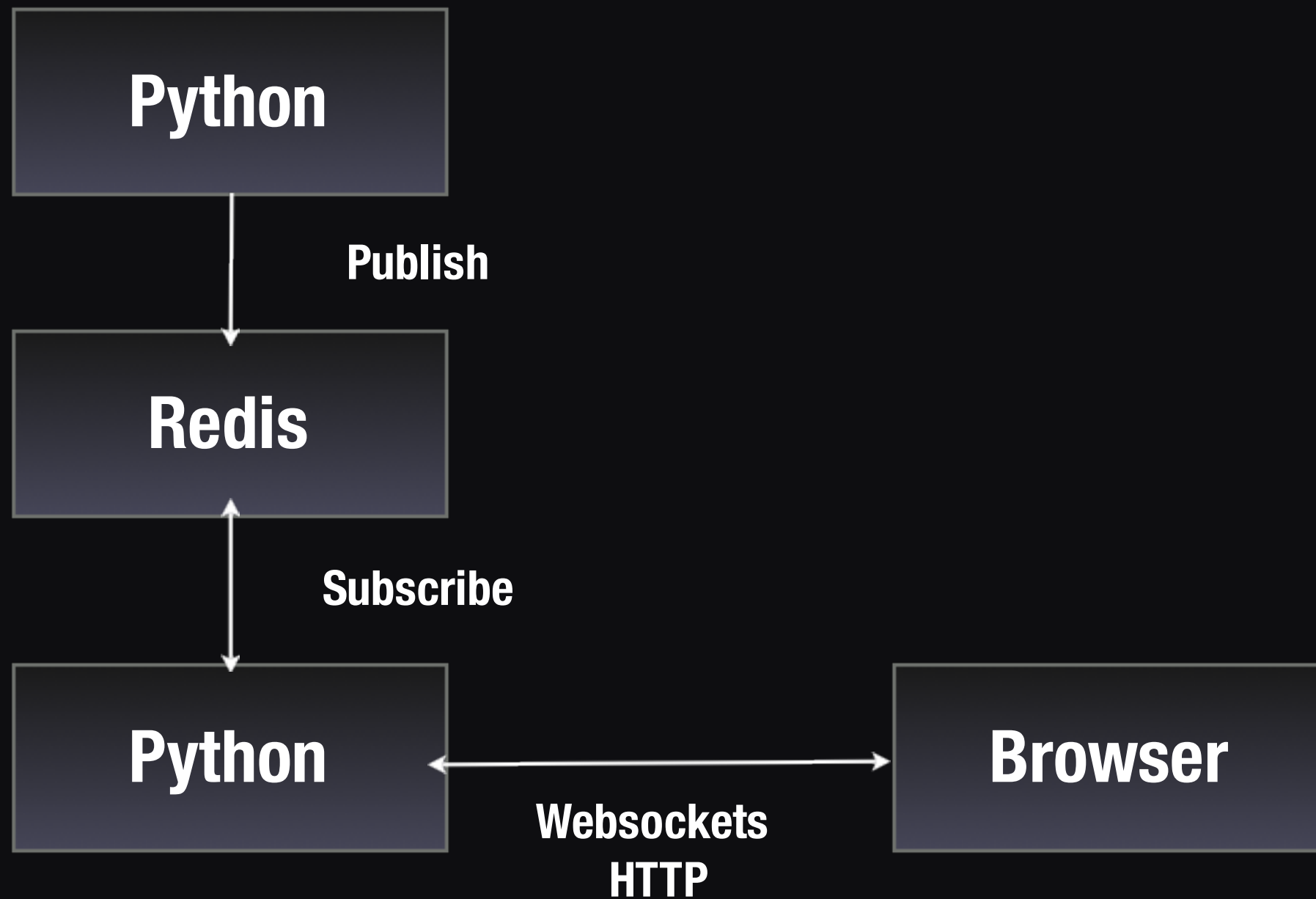
# Mozilla Services Firefox Sync\*

Uses gevent

<http://tarekziade.wordpress.com/>

**\* Not a standard website**









# Pacemaker



**Heart monitor has 2 data points.  
Sampled every 7ms.**

<http://www.openecg.net/>

<http://www.swharden.com/blog/category/diy-ecg-home-made-electrocardiogram/>

**Let's write some code.**

## Stuff I've used...

redis	<a href="http://redis.io/">http://redis.io/</a>
redis pubsub	<a href="http://redis.io/commands#pubsub">http://redis.io/commands#pubsub</a>
gevent	<a href="http://www.gevent.org/">http://www.gevent.org/</a>
flask	<a href="http://flask.pocoo.org/">http://flask.pocoo.org/</a>
jinja2	<a href="http://jinja.pocoo.org/">http://jinja.pocoo.org/</a>
jquery	<a href="http://jquery.com/">http://jquery.com/</a>
websockets	<a href="https://developer.mozilla.org/en/WebSockets">https://developer.mozilla.org/en/WebSockets</a>
smoothie	<a href="http://smoothiecharts.org/">http://smoothiecharts.org/</a>
code	<a href="https://github.com/andymckay/presentations/tree/master/confoo-2012/pace_example">https://github.com/andymckay/presentations/tree/master/confoo-2012/pace_example</a>



# Thank you.

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