

Heartbeat API *Jumpstart*

WordCamp Seattle 2014

Mike Schroder (DH-Shredder)

@GetSource - <http://www.getsource.net>

Who Am I?



- *Mike Schroder*, a.k.a *DH-Shredder*, a.k.a. *@GetSource*
- Third Culture Kid, enjoy Coffee & Sailing
- WordPress 3.9 Co-Lead and co-author of Heartbeat API
- Happy DreamHost Employee

WAT is *Heartbeat* API?

*Realtime** Bidirectional
communication via AJAX.

15-30 seconds by default.
120 seconds when inactive.

WORDPRESS CORE



Y U NO USE WEBSOCKETS?

quickmeme.com

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23 items



1

of 2



<input type="checkbox"/>	Title	Author	Categories	Tags		Date
	This Post is Locked. admin is currently editing	Other Person	Uncategorized	—	0	12 hours ago Published
<input type="checkbox"/>	WebM Post	admin	Uncategorized	—	1	2013/07/07 Published

This Post is Locked.

Permalink: <http://localhost/WordPress/2013/08/this-post-is-locked/> [Edit](#)

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Visual

Text

B *I* ABC

This is a locked



This content is currently locked. If you take over, admin will be blocked from continuing to edit.

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[Take over](#)

Publish

[Status: Published](#)

[Visibility: Public](#)

Published on: Aug

59 [Edit](#)

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☒ [Standard](#)

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1 + New View Post

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This Post is Locked.

Permalink: <http://localhost/Word>

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B *I* ABC ☰ ☷ “ ☷

This post is really important, a

I've been working on it for days

This means that it's possible m

Path: p

Word count: 39

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[Text](#)

[Status: Published](#)

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- ☒ Standard
- ☐ Aside
- ☐ Audio
- ☐ Chat
- ☐ Gallery
- ☐ Image
- ☐ Link
- ☐ Custom

Session expired. Please log in again. You will not move away from this page.

Username

Password

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Saving Draft... Last edited by Other Person on August 16, 2013 at 7:59 pm

● Connection lost. Saving has been disabled until you're reconnected. We're backing up this post in your browser, just in case.

Hurray! A New Post.

Permalink: <http://wpbranch.dev/?p=195>

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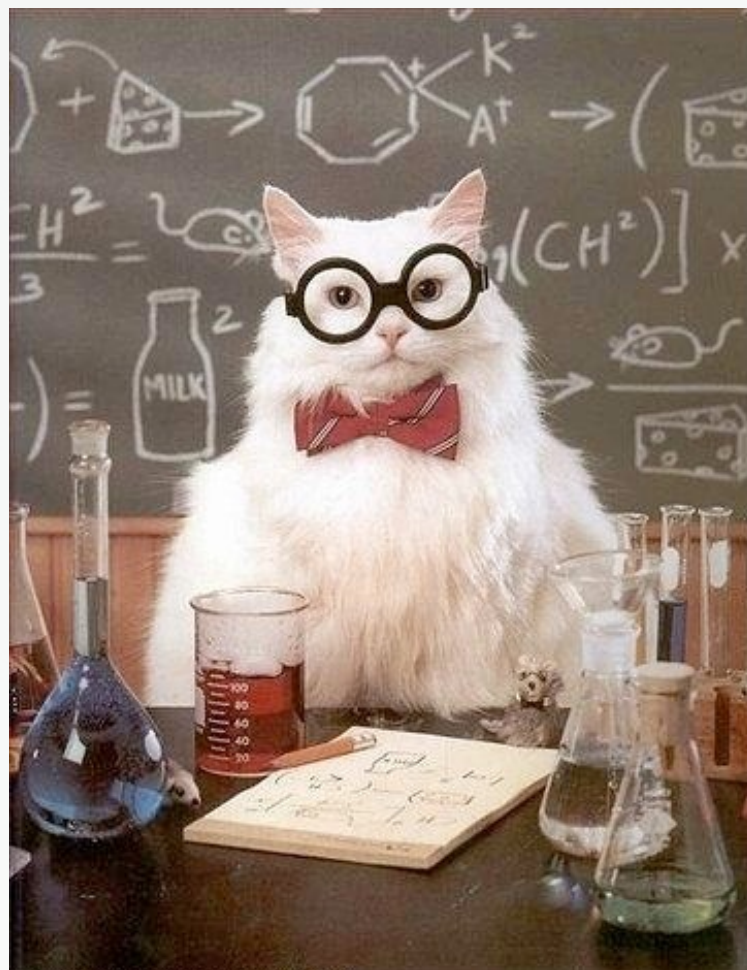
 Add Media

Visual

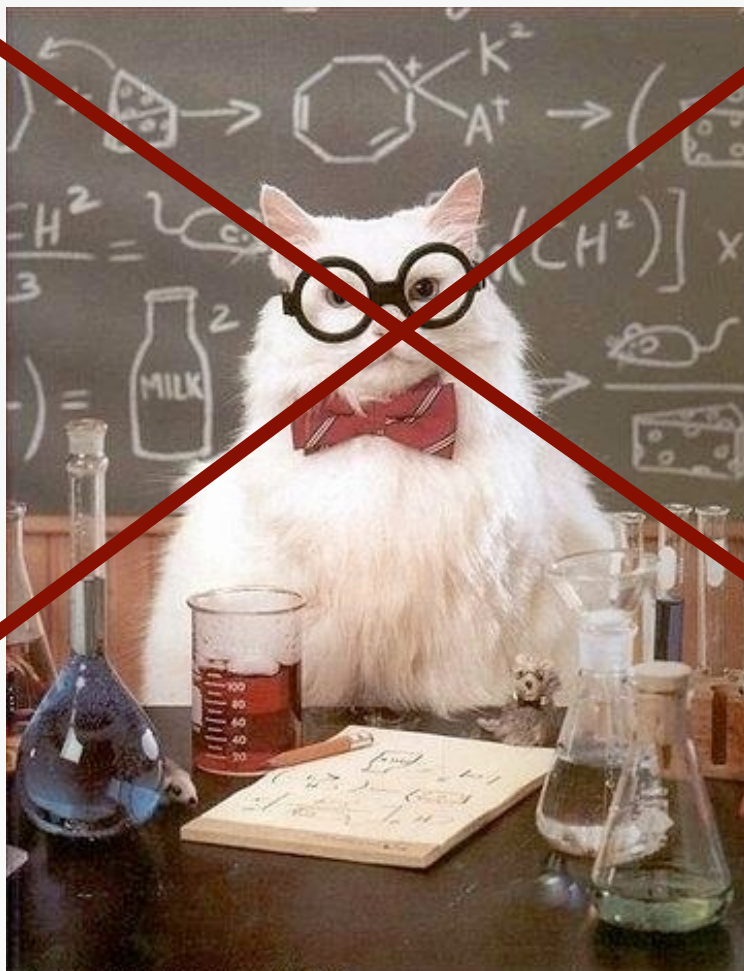
Text

B *I* ABC   “ —                            

EXPERIMENTAL *WARNING!*



EXPERIMENTAL WARNING!



No longer experimental as of
WordPress 3.9

JS Trigger Flow

- > heartbeat-send
- > heartbeat-tick
- /> heartbeat-error

(wp-includes/js/heartbeat.js)

PHP Filter/Action Flow

- > heartbeat_received
 - > heartbeat_send
- > heartbeat_tick (action)

(wp-admin/includes/ajax-actions.php)

This is just a *start*.

Resources!

- getsource.net/2014/01/heartbeat-api-wordcamp-phoenix/
- gist.github.com/getsource/6254495
- core.trac.wordpress.org/browser/tags/3.9/src/wp-includes/js/heartbeat.js
- pippinsplugins.com/using-the-wordpress-heartbeat-api/