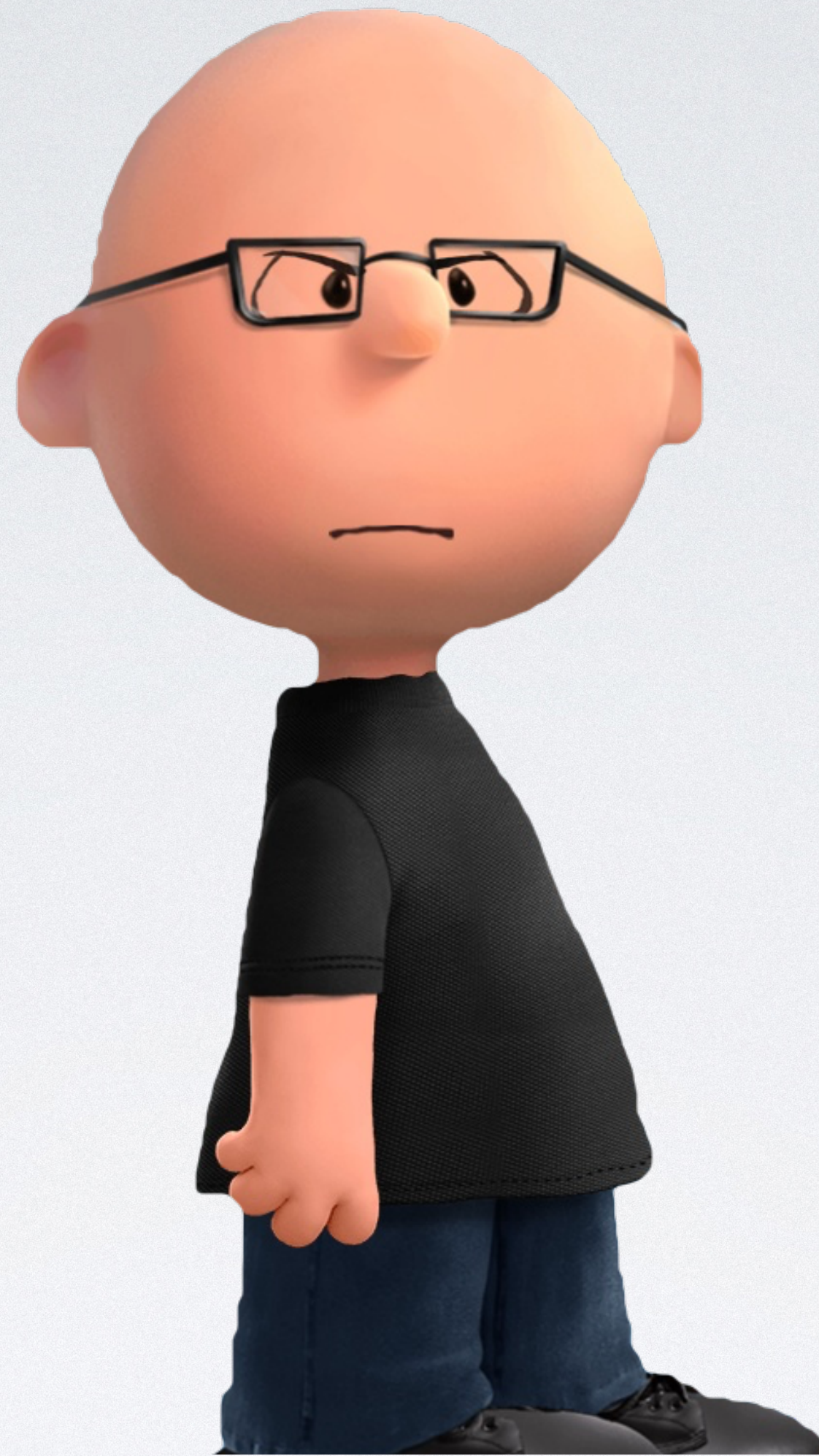


MY SITE IS BROKEN!

Now what?

Aaron Saray // aaronsaray.com // [@aaronsaray](https://twitter.com/aaronsaray)



iMONEZA
Senior Software Engineer

AARON SARAY

PHP Programmer, Business Analyst, Team Builder, Geek, Author,
Wordpress User/Programmer, Front-end architect, Musician

“I’ve got nearly one hundred opportunities,
although not a single one involves a female.”

—Mr Carter

A high-angle, top-down photograph of a group of approximately ten business professionals, mostly men, gathered in a tight huddle. They are all looking down towards the center of the group, where their hands are likely meeting. The individuals are dressed in professional attire, including light blue dress shirts and dark suits. The image is intentionally blurred and has a soft, muted color palette, giving it a dreamlike or conceptual quality. Overlaid in the center of the image is the text "BREAK IT UP" in a clean, black, sans-serif font.

BREAK IT UP


```

        Privacy feedback
    </a></li></ul></dd></dl></div></li></ul></div><div class="shell-header-user-cont
: 48px; font-size: 14px; border: 1px solid transparent; border-bottom-style: none; width: 100%;">
    #505050; white-space: nowrap; text-overflow: ellipsis; overflow: hidden; word-break: break-all">
ms.cmpnm="mobile global nav toggle button" ms.title="Toggle menu" title="Toggle Menu" type="button"
grp="header actions"><li><button class="shell-header-toggle-search" type="button" data-bi-name="T
ell-header-shopping-cart-mobile" href="//www.microsoftstore.com/store/msusa/en_US/DisplayThreePgCl
ggle-shell-icon-cart" class="shell-icon-cart"></i><span class="sr-only">Cart</span><span class="sl
v_shellHeaderSearchForm" class="shell-search" role="search" action="https://www.microsoft.com/en-
"shell-search-wrapper"><label for="cli_shellHeaderSearchInput" class="sr-only">Search Microsoft</
oft.com" maxlength="200" tabindex="30" /><input type="hidden" name="form" data-bi-dnt="" value="MS
Search</span></button><div id="cli_searchSuggestionsContainer" class="shell-search-dropdown-conta
i-source="UnifiedSearch" ms.cmpgrp="search suggestions"></ul></div></div></div></div></form><div (
//www.microsoftstore.com/store/msusa/en_US/DisplayThreePgCheckoutShoppingCartPage" data-bi-name="
"shopping-cart-amount"></span></a></div><iframe id="shell-cart-count" data-src="//www.microsoftst
ffer"></div><script type="text/javascript">*<![CDATA[*/*var shellInitOptions={lcaDisclaimerEnable
tml:"&lt;i class=&quot;msame_chev_uhf shell-icon-dropdown&quot;&gt;&lt;/i&gt;"}},mobileBreakpoints:
re/signout",accountSettingsUrl:"https://account.microsoft.com/",switchUrl:"",meUrl:"https://login.
*]]>*/</script></span><div class="CSPvNext "><script>*<![CDATA[*/*function initSearchSuggest(n,t)
n{title:n.Title,image:n.ImageUrl,target:n.Url}};return{searchSuggestCallback:function(r){var u={
DFCA65",scope:"Microsoft",market:t,source:"store",productCount:3};$.ajax({type:"GET",dataType:"js
ests.map(i[n.Type])}})}}}}}}}}}}var href=encodeURIComponent(location.href),mscomSignInUrl="/en-us/si
stEndpoint:"https://www.microsoft.com/services/api/v2/suggest",locale:"en-us"},shellOptions={meCor
indow.msCommonShell.SupportedAuthIdp.MSA,firstName:typeof aFirstName=="undefined"?"":aFirstName,l
"undefined"?"":aCid,authenticatedState:typeof aAuthenticatedState=="undefined"?window.msCommonShe
ndefined"&&(ms["ms.pgarea"]="header",ms["ms.cmpgrp"]="nav",ms["ms.cmpnm"]="search",ms["ms.Interacti
ndefined")}{ms["ms.pgarea"]="header",ms["ms.cmpgrp"]="nav",ms["ms.cmpnm"]="mecontrol",wcs["wcs.cot
["ms.InteractionType"]="14",MscomBeacon();break;case"MeControl_RemoveUser":ms["ms.Title"]="remove
t",ms["ms.InteractionType"]="1",MscomBeacon();break;case"MeControl_SignOutAll":ms["ms.Title"]="Si
t",MscomBeacon();break;case"MeControl_DropdownOpen":ms["ms.Title"]="Profile DropdownOpen",ms["ms.
stOptions=initSearchSuggest(autoSuggestOptions.requestEndpoint,autoSuggestOptions.locale),shellOp
[/function DecodeHTML(){($.msame_Header_chev").length&&($.msame_Header_chev").text()?($.msame
eHTML(),($.msame_Header_chev").unbind("DOMSubtreeModified",checkDecode)}$(document).ready(func
/g),r=t&&t.length,n;if(r)for(n=0;n<r;n++)i.placeholder=i.placeholder.replace(t[n],String.fromCharCode
same_Header_chev").bind("DOMSubtreeModified",checkDecode)}}/*]]>*/</script></div><div class="mscor
ols="1"><div class="span bp0-col-1-1 bp1-col-1-1 bp2-col-1-1 bp3-col-1-1 mscom-remove-margin-left
iew1="1" data-cols="1"><div class="span bp0-col-1-1 bp1-col-1-1 bp2-col-1-1 bp3-col-1-1"><mscom:c
"row-fluid" data-cols="1" data-view1="1" data-view2="1" data-view3="1" data-view4="1"><div class='
iew2="1" data-view3="1" data-view4="1"><div class="hp-large-carousel hero bp0-col-1-1 bp1-col-1-1
bi="urn:schemas-microsoft-com:mscom:bi"><ul bi:type="list" class="slides" id="hpfeb15-hero-slidesl
"media" bi:parenttitle="t1"><a href="https://products.office.com/EN-US/buy?Wt.mc_id=OAN_mscom_pro
ktype="marcom" bi:InteractionType="1" bi:cot="1" bi:index="0" bi:linkid="SSAGPTSS_4608_19191_138_
ms on their screens." data-disable-swap-below=""><div data-src="http://c.s-microsoft.com/en-us/CM
oft.com/en-us/CMSImages/Ofc_Attach_1215_540x304_EN_US.jpg?version=6480d5b3-f883-cabf-5e91-8ab1ddc
Images/Ofc_AttachBG_1215_1920x720_EN_US.jpg?version=c4a2ad20-19e7-9387-6c05-f578a355e547" class="r
s." width="1920" height="720" /></noscript></div><script type="text/javascript">*<![CDATA[*/*wind
"White (#FFFFFF)"><ul bi:type="list" class="img-textbox hero-textbox"><li class="box-title"><h3 c
li class="box-actions box-description"><a target="_self" class="mscom-link" href="https://product
kid="SSAGPTSS_4608_19191_138_a" bi:linktype="marcom" bi:interactiontype="1" bi:cot="1">Shop now</i
xt heroitem light-foreground" bi:type="heroitem"><div class="media" bi:parenttitle="t1"><a href="l
nm="hero" bi:linktype="marcom" bi:InteractionType="1" bi:cot="1" bi:index="1" bi:linkid="SSAGPTSS_
ttp://c.s-microsoft.com/en-us/CMSImages/Store_AttachBG_1215_1920x720_EN_US.jpg?version=1acb3b77-2
n=22ab3076-b388-dc4d-07c5-21e88850d95f" data-media="(max-device-pixel-width:539px)"></div><noscrip
301d9e" class="mscom-image" alt="Colorful and stylish tech accessories." width="1920" height="720"
"text" bi:type="cta"><div class="text-container"><div class="box" style="Black (#000000)"><ul bi:t
00)">Unwrapped new technology? Get the extras you need.</h3></li><li class="box-actions box-descr
grp="hero" bi:cmpnm="hero" bi:linkid="SSAGPTSS_4608_19191_138_a" bi:linktype="marcom" bi:interact
```

```

ion class="shaded" id="perks-hero">
ext-right"><a href="/gift" id="give-gift"><i class="fa fa-gift"></i>Makes a great gift! &raquo;</a
xt-center">Spend a Little. <span class="new-line-sm">Get a Lot.</span></h1> <div class="contai
s="row">
class="col-xs-12 col-md-8 col-md-offset-2 text-center">
p>Purchase the 2016 Perk Package to get instant access to all the deals you see below.</p>
>

s="row vertical-spacing-sm">
class="col-xs-12 text-center">
a href='/checkout' class='btn btn-primary btn-primary-outline'>Get 2016 Perk Package for $25</a>

s="row">
class="col-xs-12 text-center">
small class="notice"><sup>*</sup>Note: Each Perk is redeemable one time during 2016.</small>
>

iner">
ow">
s="col-xs-12">
erks</h1>
class="list-unstyled list-inline perk-list">
div class="perk-single">
lock">
s="block-pic" style="background-image: url('/content/images/location/10249/banner.jpg')"></div>
s="block-description">
```

```

<html>

    <body>

        <div class="container">
            <div class="row">
                <div class="col-xs-12">
                    Why am I so wide?!
                </div>
            </div>
        </div>

    </body>

</html>
```




No, you're insane.

TRY SOMETHING ELSE!

- Different computer



- Different browser
- <http://downforeveryoneorjustme.com/>



Dumbassery

- It didn't work
- It's broken
- It's not right
- I tried everything

Survivability

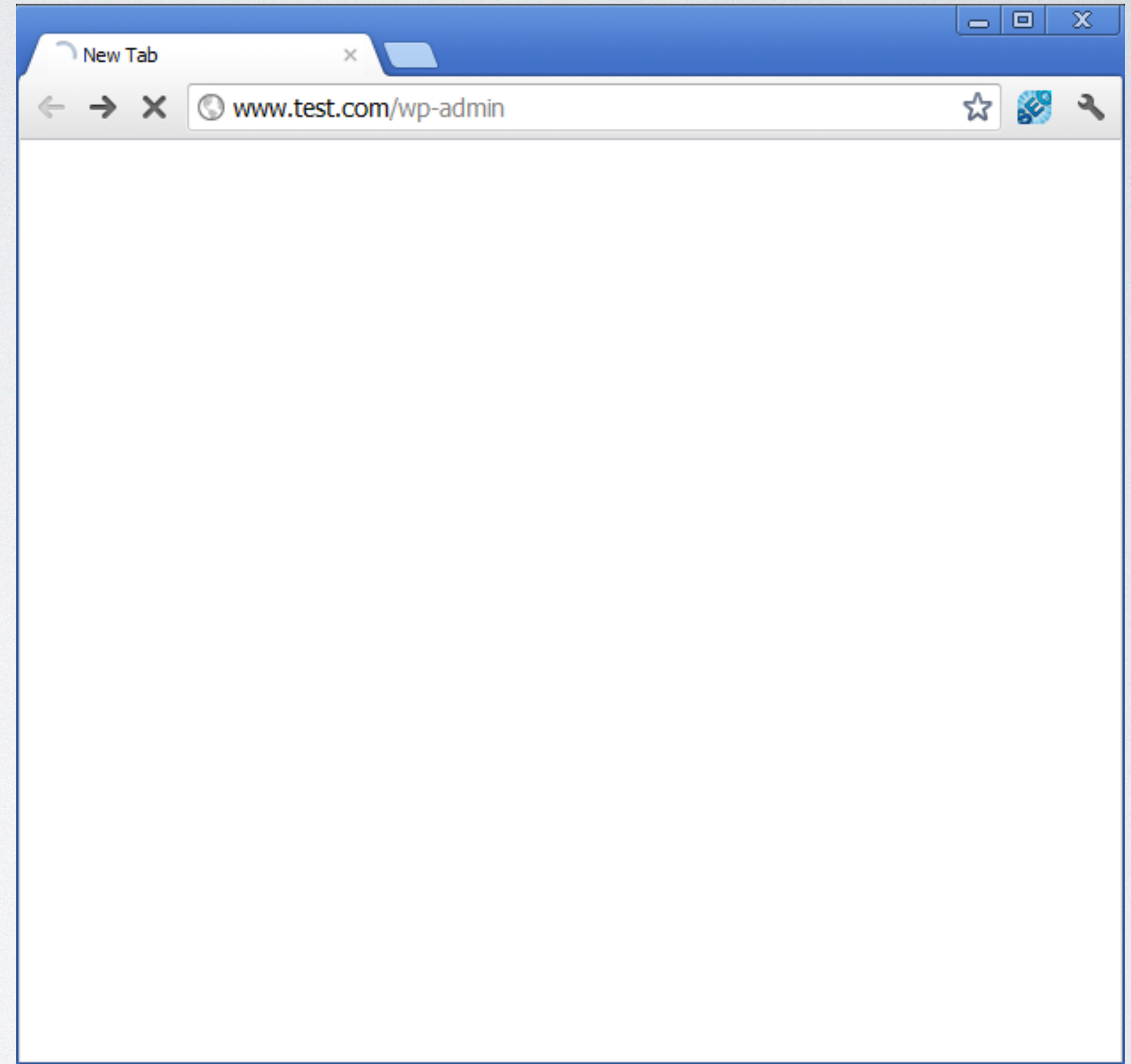
- I cleared my cookies, reset the snozzle dizzle
- I expected it to be blue, but it turned red instead
- Thanks!

“In theory, theory and practice are the same.
In practice, they are not.”

—Jan L. A. van de Snepscheut

THE WHITE SCREEN OF DEATH

It could be worse...



Noooooooooooooo!!!!!!!!!!!!

Warning: mysqli_connect(): (28000/1045): Access denied for user 'rootizzle'@'localhost' (using password: YES) in /vagrant/code/public/test.php on line 2

Fatal error: Uncaught exception 'Exception' with message 'Unable to connect to db' in /vagrant/code/public/test.php:11 Stack trace: #0 /vagrant/code/public/test.php(6): DB->connect('databse-login', 'MYpassword') #1 /vagrant/code/public/test.php(15): DB->__construct() #2 {main} thrown in /vagrant/code/public/test.php on line 11

CHECK THE LOGS!

- php_err.log
- /var/log/apache2/sitename.com-error.log
- /var/log/php_err.log
- /var/log/php5/error.log
- /etc/lib/php5/log/php_error.log **WTF**

GNU nano 2.2.6

File: /etc/

```
; It's recommended that errors be logged
; having the errors sent to STDOUT.
; Possible Values:
;   Off = Do not display any errors
;   stderr = Display errors to STDERR
;   On or stdout = Display errors to STDOUT
; Default Value: On
; Development Value: On
; Production Value: Off
; http://php.net/display-errors
display_errors = On
```

```
; The display of errors which occur
; separately from display_errors. PH
```

Directory /var/www/html>

Require all granted

AllowOverride all

php_flag display_errors on

Directory>

<?php

ini_set('display_errors', 'on');

YOU HAVE BEEN

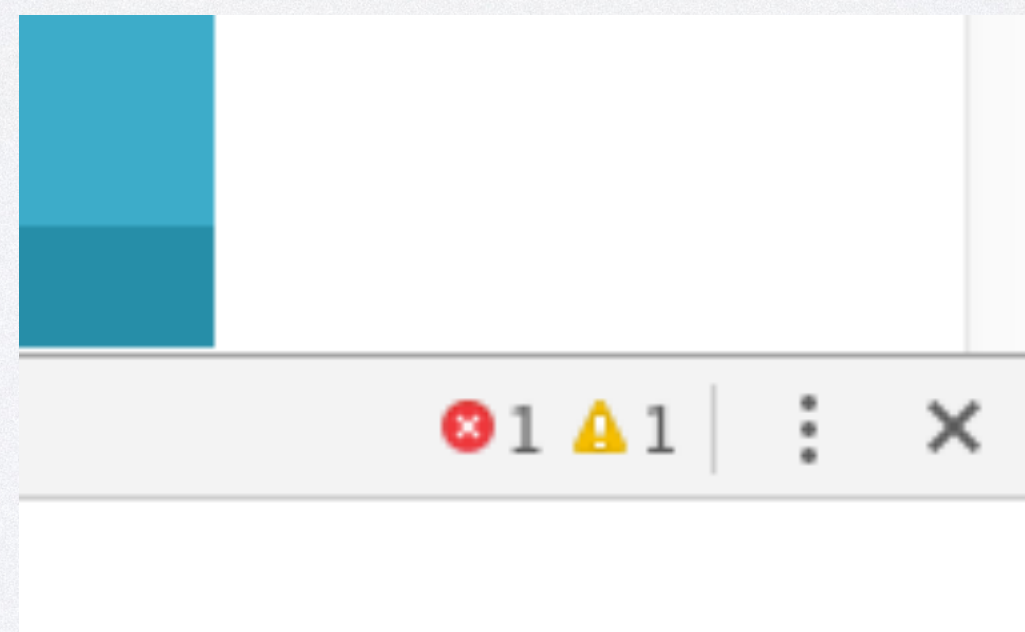
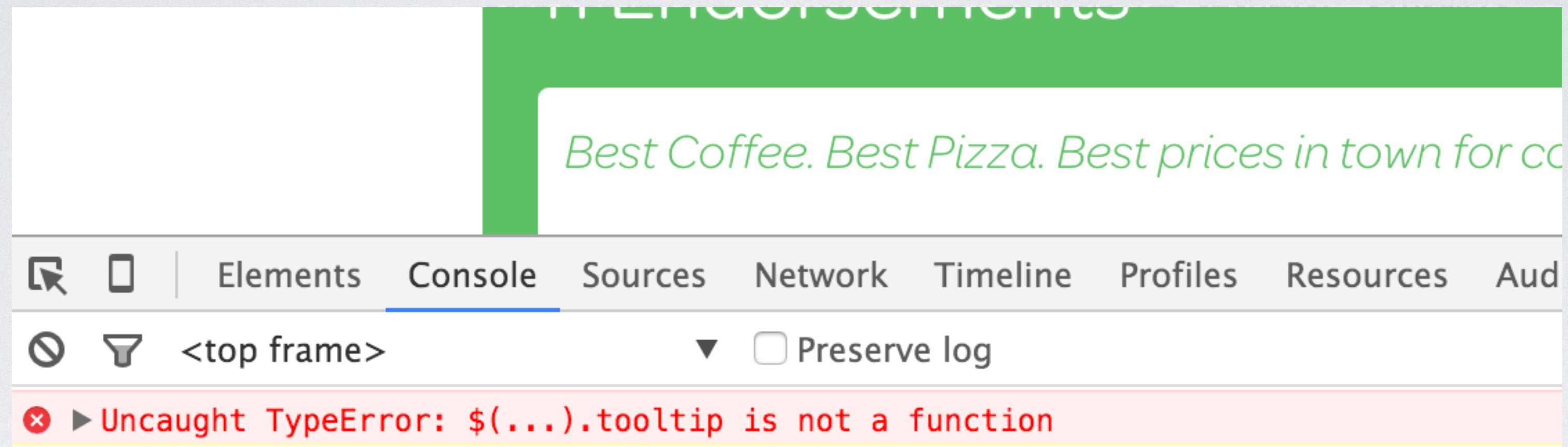
HACKED !

#

www.coolsite.com/#

It keeps scrolling to the top!





- “break it up” again
- uninstall things
- check resources are loaded
- ctrl/command-z + ctrl/command-r

47% of consumers expect a web page
to load in 2 seconds or less.

—Sean Work, **kissmetrics**

SUDDENLY MY SITE IS SLOW

- You know what you did
- Something you just installed
- Don't uninstall / don't remove - figure out why?

MYSQL - YOU'RE KILLING ME


```

<?php
define('SAVEQUERIES', true);

/**
 * The base configurations of the WordPress.
 *
 * This file has the following configurations: MySQL
 * Secret Keys, WordPress Language, and ABSPATH.
 * You can find more information by visiting {@link http://codex.wordpress.org
 * wp-config.php} Codex page. You can get the MySQL
 *
 * This file is used by the wp-config.php creation script
 * during the WordPress installation. You don't have to use the web site
 * to "wp-config.php" and fill in the values.
 *
 * @package WordPress
 */

// ** MySQL settings - You can get this info from your
/** The name of the database for WordPress */

```

```

*
* @var bool
*/
define('WP_USE_THEMES', true);

/** Loads the WordPress Environment and Template */
require( dirname( __FILE__ ) . '/wp-blog-header.php' );

if (SAVEQUERIES) {
    echo "<!--\n";
    print_r($wpdb->queries);
    echo "\n-->\n";
}

```

```

Array
(
    [0] => Array
        (
            [0] => SELECT option_name, option_value FROM wp_options WHERE autoload = 'yes'
            [1] => 0.00068283081054688
            [2] => require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-conf
is_blog_installed, wp_load_alloptions
        )

    [1] => Array
        (
            [0] => SELECT option_value FROM wp_options WHERE option_name = 'akismet_comment_nonce' L
            [1] => 0.00028896331787109
            [2] => require('wp-blog-header.php'), require_once('wp-load.php'), require_once('wp-conf
call_user_func_array, Akismet::init, Akismet::init_hooks, get_option
        )

    [2] => Array
        (
            [0] =>
                SELECT ID, post_name, post_parent, post_type
                FROM wp_posts
                WHERE post_name IN ('blog')
                AND post_type IN ('page','attachment')

            [1] => 0.00047397613525391
            [2] => require('wp-blog-header.php'), wp, WP->main, WP->query_posts, WP_Query->query, WP
        )

```


- Track down the mysql
- See if that's the cause
- Try “explain?”


```
1 • explain select * from user u left join user_subscription us on u.id=us.id where u.id=1000001
```

100%

93:1

Result Grid



Filter Rows:

Search

Export:



| | id | select_type | table | type | possible_keys | key | key_len | ref | rows | Extra |
|---|----|-------------|-------|-------|---------------|---------|---------|-------|------|----------------------|
| ▶ | 1 | SIMPLE | u | const | PRIMARY | PRIMARY | 4 | const | 1 | |
| | 1 | SIMPLE | us | const | PRIMARY | PRIMARY | 4 | const | 0 | unique row not found |



```
1 • explain select * from user u left join user_subscription us on u.id=us.id where u.last_name='saray'
```

100%

100:1

Result Grid



Filter Rows:

Search

Export:



| | id | select_type | table | type | possible_keys | key | key_len | ref | rows | Extra |
|---|----|-------------|-------|--------|---------------|---------|---------|-----------|-------|-------------|
| ▶ | 1 | SIMPLE | u | ALL | NULL | NULL | NULL | NULL | 21374 | Using where |
| | 1 | SIMPLE | us | eq_ref | PRIMARY | PRIMARY | 4 | ssu3.u.id | 1 | |



LET'S REVIEW

- Learn to solve problems & Don't be a Dumbass
- Check logs
- Check console
- Don't ignore MySQL

A large, bright, and billowing nuclear explosion mushroom cloud rises from a city. The city below is densely packed with buildings and is bathed in a golden-orange glow from the explosion. The sky is dark, making the bright fireball stand out prominently.

The End

Aaron Saray // <http://aaronsaray.com> // @aaronsaray