More WordPress Plugins Part 1

Best Practices to find, review, verify, install, and test

Presentation Learning Objectives

- Learn best practices for selecting valid and compatible WordPress plugins
- Learn safe methods for installing and testing WordPress plugins
- Learn a method for urgently removing site WordPress plugins from your site, even when the plugin blocks access to the WordPress Administration dashboard
 - Urgent plugin removal using phpMyAdmin

Plugins Best Practices

- Define your plugin requirements.
 - Write down the desired plugin features and rank them
- Google search for plugin reviews
- Get developer recommendations
- Search for developer approved plugins
- Search and review plugins on WordPress.org
 - Check star rating and reviews
- Verify plugin compatibility
- Never test a new plugin on a production site.
 - Always create a test site for plugin testing
- Be prepared to urgently uninstall bad plugins
 - Practice removing plugins from phpMyAdmin so you have some experience doing it, when you need to do it for real

Before You Start Looking

- When looking for a plugin, the first thing you should do is write down exactly what you want this plugin to do.
- It helps if you create a **checklist with features** that you're looking for (in the order of importance).
- The order of importance matters because sometimes you won't find everything in one plugin.
- The importance factor will help make your decision easier.
- Remember that it doesn't have to be one plugin that does everything.
 - If you find two plugins that work well together to give you what you need, then install those 2 plugins.
 - The total count of plugins does not matter, the quality does.

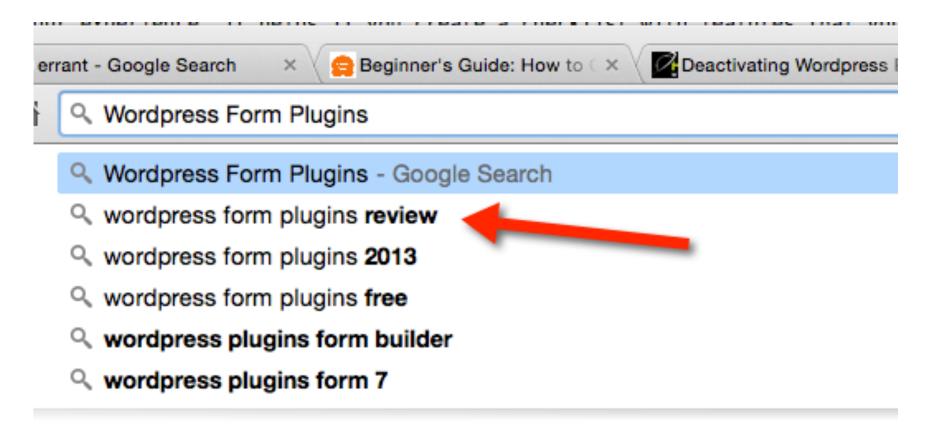
Examples Feature List (What I use to help me select plugins)

Features	Feature Ranking
 Can configure a map on a page 	• 1
 Can configure a map on an Article 	• 1
 Can change the map push pin icon 	• 3
 Can update map with one line address 	• 2
 Can update map with GPS 	• 2
 Can have multiple selected location on one map 	• 1
•	

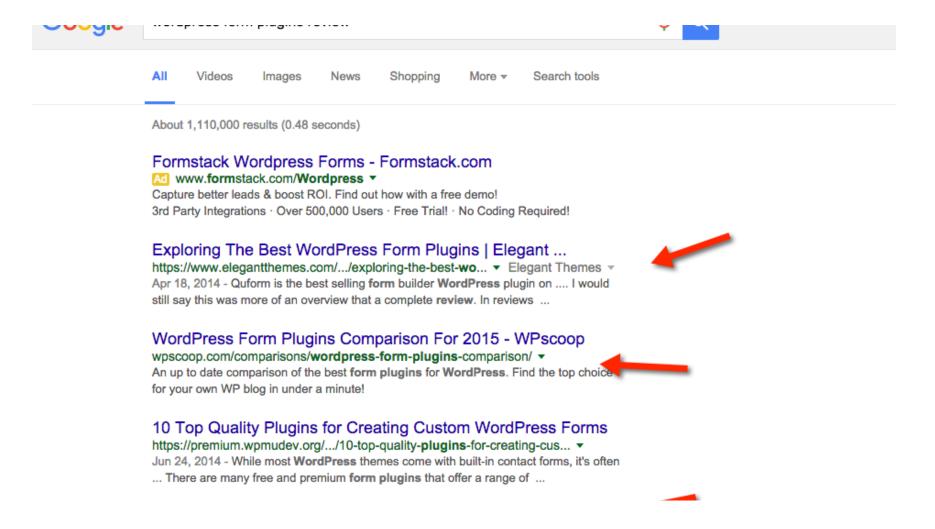
Start with a Google Search

- The search feature in WordPress plugin directory is not very good.
 - That's why I recommend using Google search first.
- Alternatively you can start by browsing the most popular WordPress plugins in the directory.
 - See if there is a plugin that fits your need.
 - If you can't find a plugin in the first two pages of popular plugins, then run a web search.
- WordPress plugin searching shows results based on relevancy by default.
 - You can sort the results by newest, highest rated, and most popular.
 - I recommend you to stick with relevancy otherwise the results will become less relevant, and you will be shown plugins which are not at all useful for you.

Example: Google Search for WordPress **Form** Plugins



Search Results: Go for the Comparison and Review Articles



Get Plugin **recommendations from friends**, co-workers, anyone you know **whose opinion you trust**

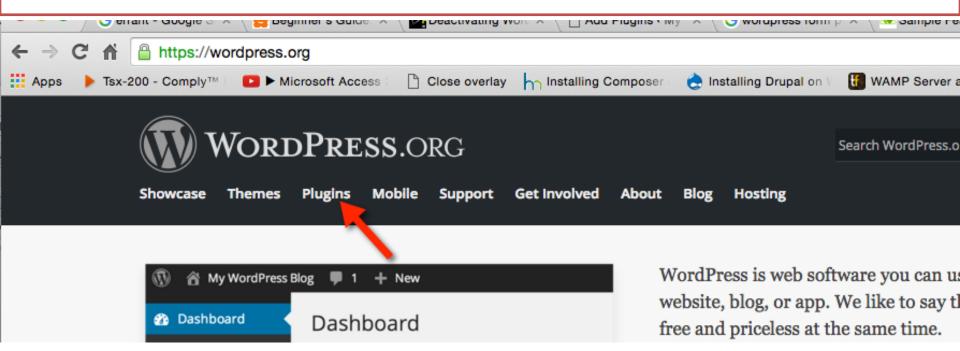
- Most people find out about the WordPress plugins they use by asking friends and other WordPress developers for suggestions.
- Referrals are gold; nothing beats a recommendation from someone you trust with personal experience.
- In many categories, you'll find plugins that rise to the top, with more downloads and reviews than others.

Look for Plugins that are Developer Approved

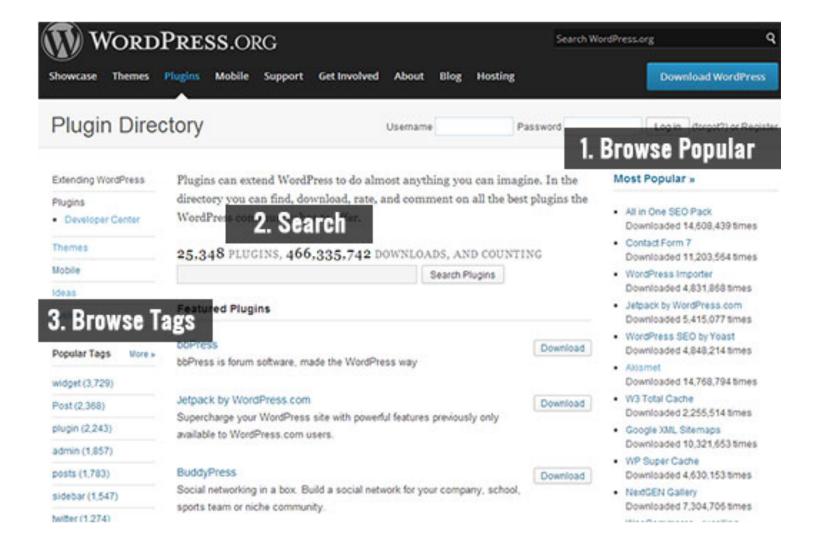
- For example, WordPress SEO is one of the most popular and well-reviewed search optimization plugins with well over 5 million downloads.
- Of course, it helps that Joost de Valk (Yoast) developed it, as he's a long-time, and well-respected plugin developer, WordPress contributor, and community member.
- Yoast's stamp of approval on a plugin means a lot to me and a bunch of my developer friends.
 - "If it has to do with SEO, and Yoast's name is attached to it, I use it" (MHC 1-24-2016)
- A developer that's trusted by other developers is almost always the way to go.

How to Search for a Plugin

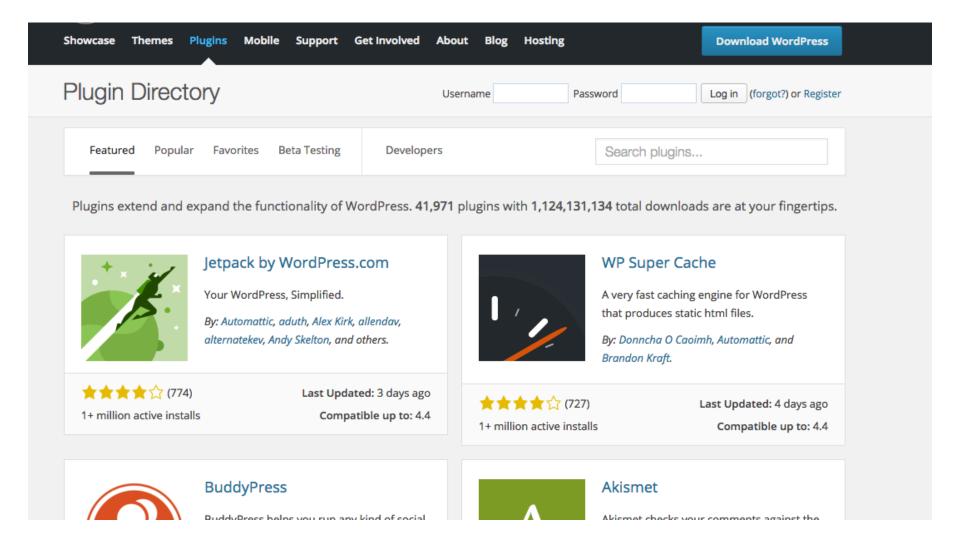
- WordPress plugin directory is the starting point for most people. [WordPress.org/PlugIns]
- It has thousands of plugins available which is great except that this abundance also makes it a little difficult to find the perfect plugin.



WordPress.org Plugin Directory Pre 2015



WordPress.org Plugins Late 2015



Check the Plugin's WordPress.org Page

- Downloads close to, or surpassing, 1000.
- The most recent update was in at least the past 6 months.
- Screenshots of the plugin in action.
- Detailed description, installation instructions, FAQ, notes, etc.
- Good reviews and ratings.
- If the plugin's own page doesn't provide useful information about how it works, it might not be something that you want to install on your production site.
 - Why would you want to install something that you don't know anything about?

What if the plugin is not on WordPress.org?

- Not all plugins are listed on WordPress.org especially commercial plugins that cost money.
 - In these cases, personal recommendations, and a little research are your best friends.
- Find the plugin's site and check out their offerings, professionalism, and support.
 - It's also worth searching WordPress.org for mention of commercial plugins

Check Plugin Ratings

- While popular plugins are a great start when you're looking to solve a problem
 - Keep in mind that popularity doesn't always equal a great fit.
- Check out a plugin's star rating on WordPress.org and read reviews to see what the rest of the WordPress community has to say.

Plugins Star Ratings

- In the sidebar of plugin page, you will also be able to see plugin ratings.
- The number of stars indicate ratings where five is the highest and one being the lowest.
- Always keep in mind that a lot of WordPress users use the plugin without rating it.
- It is possible that a plugin downloaded by thousands of people may still not have enough people rating it



Plugin Compatibility on WordPress

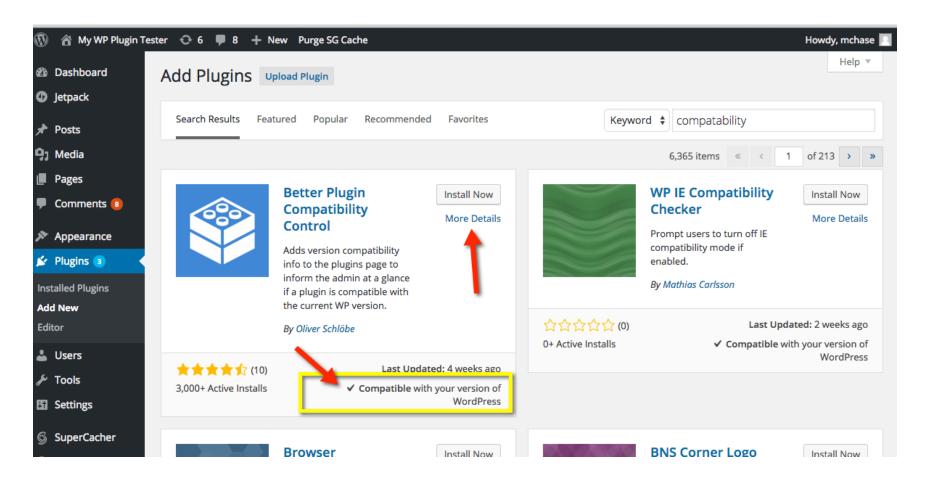
- For the most up-to-date plugin compatibility data, please visit individual plugin pages on the WordPress Plugin Directory and look for the Compatibility widget (see an example on the Hello Dolly plugin page).
- Compatibility information is crowd-sourced and contributed by users like yourself, so if you find any missing information, please help the community by testing the plugin and indicating whether it works or not.

Plugin Compatibility Beta Plugin

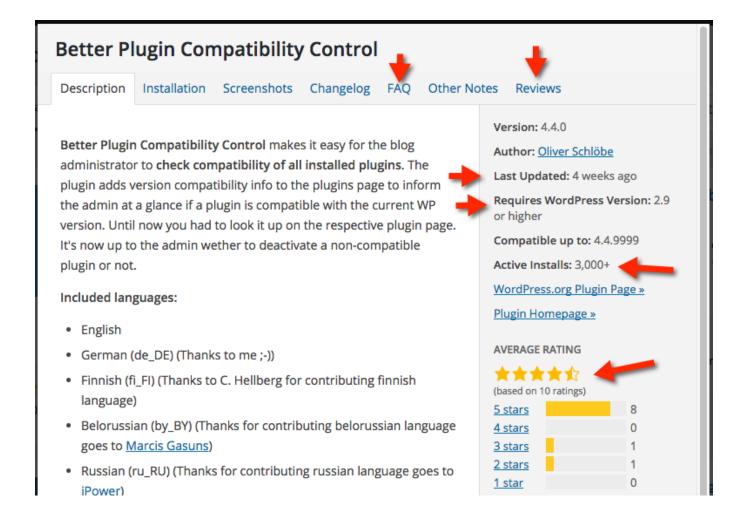
- The number one reason people give for not upgrading to the latest version of WordPress is fear that their plugins won't be compatible.
- As part of Automatic's continuing efforts to make WordPress core, plugin, and theme upgrades as painless as possible, Michael Adams developed and launched a beta of a new "Compatibility" feature in the plugin directory, powered by your votes.
- When viewing a plugin in the directory, select a WordPress version and a plugin version from the drop-downs.
 - If there has been feedback about this WordPress / plugin version combination, to show you what percentage of responses marked that combination as compatible vs. how many marked it as incompatible.

When considering a plugin verify that WP says the plugin is compatible with your WP version.

Always select "More Details" and read up on the plugin.



More details: FAQ, Reviews, Required WP version, Active Installs, Star Rating

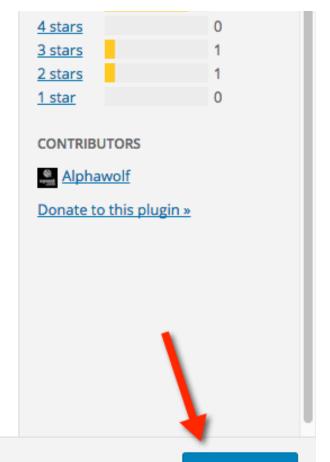


If you are satisfied, you can install from the more details page

- Belorussian (by_BY) (Thanks for contributing belorussian language goes to <u>Marcis Gasuns</u>)
- Russian (ru_RU) (Thanks for contributing russian language goes to iPower)
- Uzbek (uz_UZ) (Thanks for contributing uzbek language goes to Alexandra Bolshova)
- French (fr_FR) (Thanks for contributing french language goes to tolingo translations)
- French (es_ES) (Thanks for contributing spanisch language goes to nomeconsumas.org)
- Hebrew (he_IL) (Thanks for contributing hebrew language goes to Atar4U / https://profiles.wordpress.org/ahrale/)

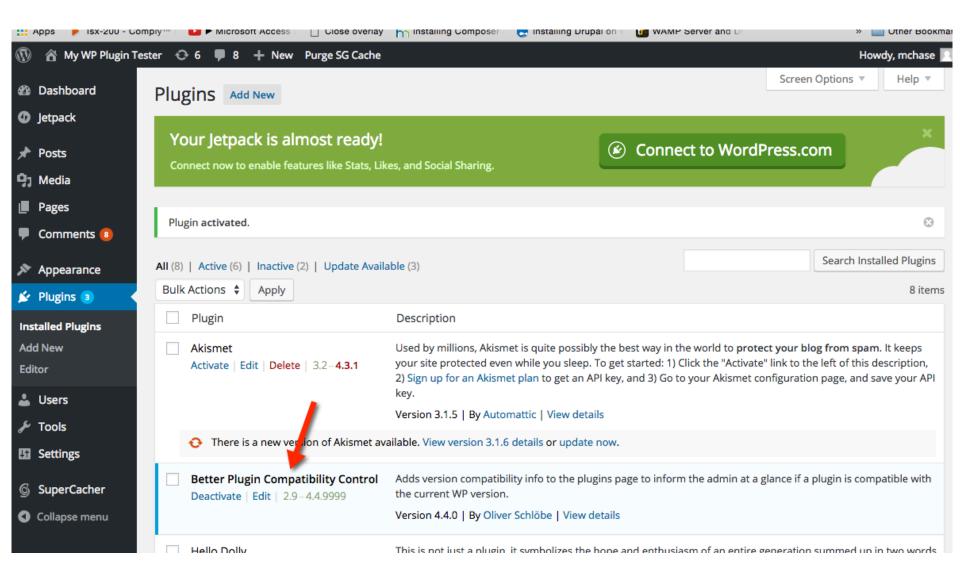
Developer on Google+ | Developer on Twitter

Become A Patron, Support The Developer.

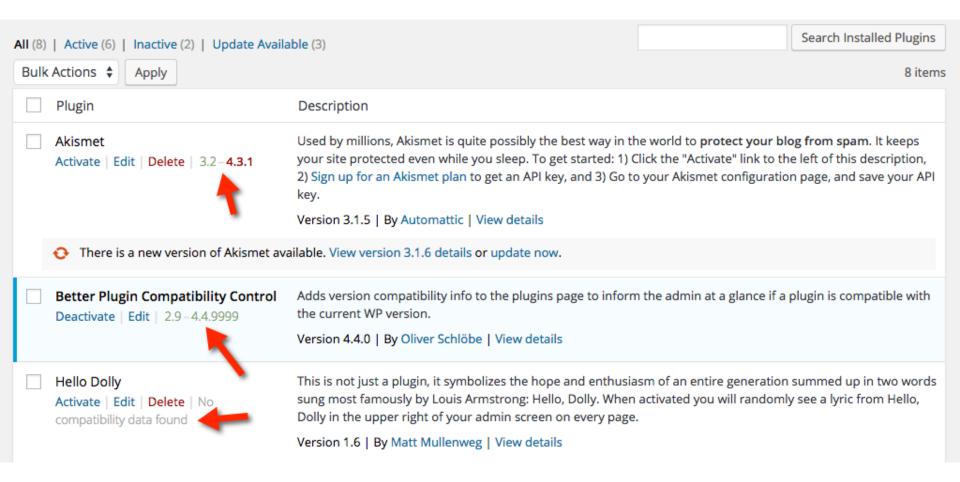


Install Now

Better Plugin Compatibility Control installed



Compatibility Data displayed on Plugins page



Testing the WordPress Plugin

- Before you install any plugin, set up a test site where you can evaluate its functionality before deploying it to your production site.
- I usually clone my WP site on a test server so we can try out new plugins and code without the risk of harming the live site.
- SiteGround has a one-click WP clone option.
 - If your web host has a clone option, I recommend using it for testing new plugins.

Testing the WordPress Plugin

- If you don't know how to set up a test site, or just want to test the plugin on the live site, always make a full backup of your site in case something goes wrong and you need to restore the site back the way it was before you added the plugin.
 - This situation rarely happens, but better safe than sorry.

What to do When a Plugin Doesn't Work

- If a plugin gives an error or does not work, then the first thing you would want to do is find out if it is having a conflict with another plugin or theme.
 - Deactivate all other plugins and activate default WordPress theme.
 - Try testing the plugin again.
 - If it still does not work, then you might want to open a support thread.
- Visit the plugin page on WordPress plugin directory and click on Support tab. Scroll down till you find the support form and fill it out.
- Remember, that WordPress plugins are open source which means that they
 come with no warranty at all and the plugin authors are not required to
 answer your questions.
 - However, most plugin authors care about their code and will try their best to answer support questions whenever they can.

WHEN PLUGINS BREAK YOUR WP SITE

- The simplest way to deactivate a plugin is through your WP Admin Dashboard, but any one of the following situations may block you out from accessing the dashboard:
 - After installing a plugin you suddenly get a blank white screen when accessing your WordPress dashboard
 - After editing the .php file of a certain plugin an error occurred so you can no longer access the dashboard

But what do you do when the bad plugin locks you out of the dashboard?

- When you install a buggy WordPress plugin that locks you out from the dashboard you have to go to extreme methods to remove the plugin form the WP sites MySQL database
- To do this you have to know how to use phpMyAdmin and a little SQL scripting

Urgently deactivate a plugin with phpMyAdmin

- 1. Login to your website's cPanel.
- 2. Access the phpMyAdmin interface which is normally located in the "Database" section of your cPanel.
- 3. Login to your phpMyAdmin account
- 4. Upon logging in to phpMyAdmin, click on your WordPress database name (located on the left-hand side of the window).
- 5. After clicking the WordPress database, a list of all WordPress tables will be displayed on your screen.
- Click on the "SQL" tab.
- 7. You will then be prompted to run an SQL command. You will need to type in a command that would display all the list of all active plugins. Here's the command that you should type in the text area:

SELECT *FROM wp_options WHERE option_name = 'active_plugins'; Click "Go" to run the command.

urgently deactivate a plugin continued...

- 8. Click on the "Edit" link on the upper middle-left portion of the window to view the output of the command.
 - The code should look something like this:

```
a:4:
{
    i:0; s:23: "NameOfFirstPlugin/PluginOne.php";
    i:1; s:25: "NameOfSecondPlugin/PluginTwo.php";
    i:2; s:43; "NameOfThirdPlugin/PluginThree.php";
    i:3; s:27: "NameOfFourthPlugin/PluginFour.php";
}
```

The line outside the curly brackets indicates the total number of active plugins installed, in this example we have 4.

Each plugin is listed in numbered order from i:0 to i:n-1 where n is the total number of active plugins.

In the example above we have plugin one is numbered i:0, plugin two numbered i:1, plugin three numbered i:2 and plugin four, i:3.

urgently deactivate a plugin continued...

- 9. If you want to deactivate all active plugins in your WordPress site you just need to delete the entire entry and then click "Go" to save your changes. Note, save the entry first in your notepad for backup.
- 10. If you only want to disable one or two plugins instead of the whole lot, here's what you need to do:
 - Delete the line/code section of the plugin that you want to disable.
 - Make sure that you fix the numbering of the plugins so that they are in consecutive order.
 - Start with the a:n (from a:4 it should now be a:3). Click "GO" to save changes.

urgently deactivate a plugin continued...

 Example, if you want to delete the second plugin, your new code should now look like this:

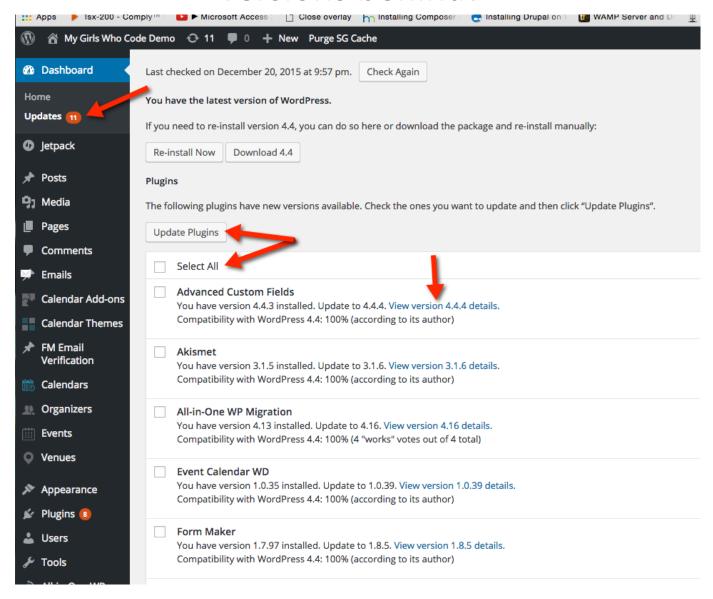
```
a:3:
{
i:0; s:23: "NameOfFirstPlugin/PluginOne.php";
i:1; s:43; "NameOfThirdPlugin/PluginThree.php";
i:2; s:27: "NameOfFourthPlugin/PluginFour.php";
}
```

 When you need to urgently deactivate a plugin and your WP Dashboard is inaccessible, you have phpMyAdmin as your alternative.

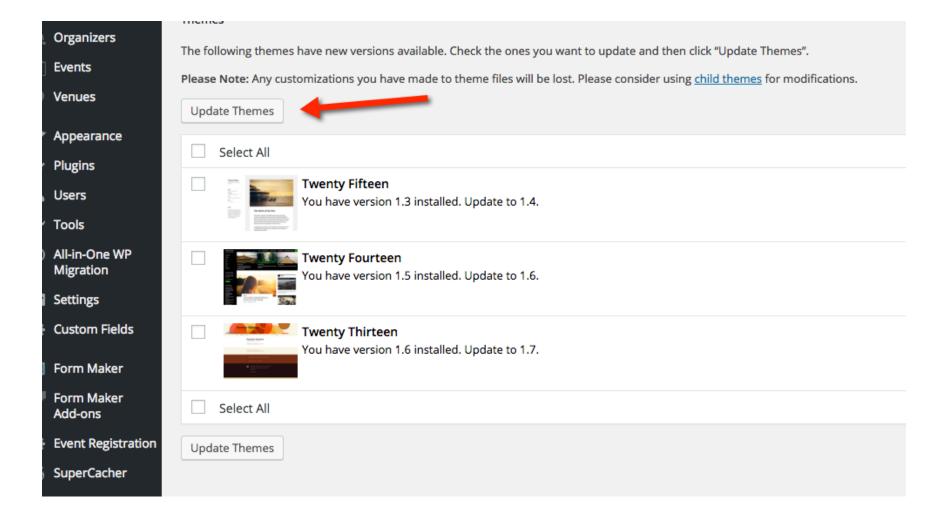
Keep Your Plugins Up to Date

- Keep your site WP plugins up to date
- If you don't, you miss improvements and security bug fixes
- NEVER just select all modules and upgrade.
 - Read the upgrade version details and re-check compatibility
- Check for module upgrades every few weeks.
- Remember to train your site admins on plugin installation and upgrade best practices
 - Always backup the site before any upgrade

Example WP Test Site – 11 module upgrades a few are 4 versions behind!



Also Keep Your Themes up to date



Web References

- How to write a Product Feature List
 - http://code.tutsplus.com/articles/how-to-write-aproduct-feature-set--cms-22968
- WordPress Plugins
 - https://ivycat.com/wordpress-101-how-to-choosewordpress-plugins/
- Urgently Remove WordPress Plugins
 - http://www.hiddenwebgenius.com/blog/webdevelopment/deactivating-wordpress-plugins-usingphpmyadmin/