

# Test, Transform, Thrive: Shaping WordPress Together

Dive into Contributing to WordPress  
and Make a Difference by testing



# Evan Mullins @circlecube

[evanmullins.com](https://evanmullins.com)

Evan Mullins uses WordPress daily in his role at Bluehost where he builds WordPress tools for hosting customers and contributes back to WordPress as well as for his own projects (freelance and hobbies).

Evan loves the visual problem-solving aspect of web development and strives to make the web an all-around better place for you & your grandma.





# Contributing by Testing

Learn all about contributing to WordPress by testing it!

Explore the ways you can contribute today.

Follow Along: [evanmullins.com/test](https://evanmullins.com/test)



# Who Can Test?

## *You can!*

Even if you have not yet contributed to WordPress and feel under-qualified.

It might seem like a small contribution but it helps move the project along.

All are invited and welcome to help test on any level you can.



# You Can Test WordPress!

Testing WordPress is a valuable contribution that anyone can make!

Contributions from users like you keep open source projects alive and moving.



## Contribution History



Core Contributor



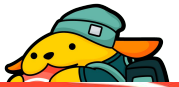
Test Contributor

# Opportunities to Test WordPress

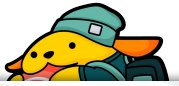
1. Test Releases
2. Test Tickets/Issues
3. Usability Tests
4. Automated Tests
5. Accessibility Tests



# 1. Testing Releases



# Release Cycle Testing





# Test WordPress Releases

Before every release of WordPress, pre-release versions are created.

These are called **Beta** releases or **Release Candidate** releases.

Download these pre-releases and test them before they are available to the public.

The pre-release step in the Release Cycle usually lasts several weeks at least and details of the schedule are published on the [make.wordpress.org](https://make.wordpress.org) blog.

For example, 6.7 Beta 1 is expected on October 1, 2024, RC1 is expected October 22, and the final 6.7 release is expected November 12.

# Beta Tester Plugin



## WordPress Beta Tester

[Install Now](#)

[More Details](#)

Allows you to easily upgrade for testing the next versions of WordPress.

By *WordPress Upgrade/Install Team*

★★★★☆ (43)

**Last Updated:** 2 months ago

2,000+ Active Installations

✓ **Compatible** with your version of WordPress

## Core Settings

By their nature, these releases are unstable and should not be used anywhere where your data is important. So please [back up your database](#) before upgrading to a test release. In order to hear about the latest beta releases, your best bet is to watch the [development blog](#) and the [beta forum](#).

Thank you for helping test WordPress. Please [report any bugs you find](#).

By default, your WordPress installation uses the stable update channel. To return to this, please deactivate this plugin and re-install from the [WordPress Updates](#) page.

Currently your site is set to update to **version 6.6.2, 6.7-beta1, 6.7-RC1, or 6.7, whichever is released first.**

**Select the update channel you would like this website to use:**

### Save after switching

- Point release** This contains the work that is occurring on a branch in preparation for a 6.6.2 point release. This should also be fairly stable but will be available before the branch is ready for release.
- Bleeding edge** This is the bleeding edge development code from `trunk` which may be unstable at times. *Only use this if you really know what you are doing.*

**Select one of the stream options below:**

- Nightlies** Latest daily updates.
- Beta/RC Only** This is for the Beta/RC releases only of the selected channel.
- Release Candidates Only** This is for the Release Candidate releases only of the selected channel.

Save Changes

## **<test-scrub> Meetings in #core-test**

Contributors come together to go through a list of tickets and help move each one towards resolution. Determining the next step needed and update the ticket.

If a ticket captures your interest, go ahead and join the discussion in the comments on the ticket after the scrub.

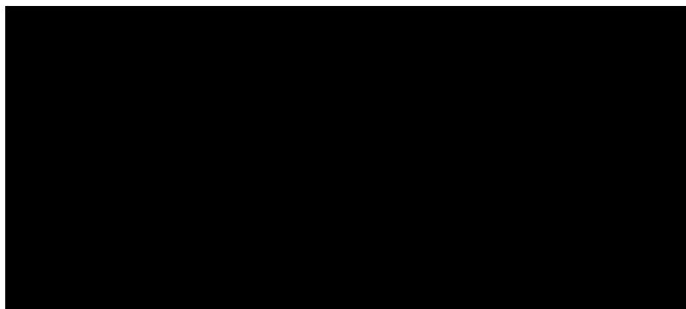
A test scrub is a great way to find tickets where you can team up with other contributors to work together later on reproducing issues, giving feedback, adding test reports, verify the feature is working as intended.



The WordPress project uses [Slack](#) as its main real-time communication platform, replacing previous communication platforms such as IRC. When compiling a list of things people liked about our previous communication methods, it was obvious that [Slack](#) was all of that and more, including:

- Open for everyone
- Friendly user interface
- Easy asynchronous conversation
- [iOS](#) and Android apps
- Powerful customization abilities
- Excellent search

WordPress historically used IRC for its real-time communication, and is still [where the real-time #wordpress support channel exists](#). Slack communication is used for *contributing* to the WordPress project, be it code, design, documentation, etc.





**Ankit K Gupta** APP 7:03 AM

@here Hey folks! Please join us in [#core-test](#) for WordPress 6.7 Test Scrub Session! 🥒 `<test-scrub>`



**ankit-k-gupta** 7:07 AM

Just to clarify, as mentioned in the [Test Scrub Schedule for WordPress 6.7](#), we're all here today to focus on the Test Scrub for WordPress 6.7-related tickets.



**ankit-k-gupta** 7:08 AM

Who is joining us today? Please say hello, and share a flag or your favorite emoji! Also, please note your [WordPress.org](#) profile username.

Feel welcome to introduce yourself briefly and share your region (in the thread) 🧵



2 replies Last reply 10 days ago



**Sumit Bagthariya** 7:11 AM



# Release Party Testing



# Release Party Testing

During each release, a build is available to test in real-time just before the release is public.

Release parties are held in the official WordPress slack (#core).



The slack team is open and free to join with a [wordpress.org](https://wordpress.org) account.





# core ▾

WordPress CORE development only. NOT for su...

 46,842

 Canvas

★ 1 Pinned  Tickets  Core Contributor Hand...  Meeting Calendar +

[iugc](#)

Tuesday, July 16th ▾



**meher** APP 12:02 PM

@here Welcome to the WordPress 6.6 release party.



**Meher Bala** 12:02 PM

<6.6-release-party>

If this is your first release party, welcome! And, if you attend release parties occasionally or regularly, welcome!

This post details out the process <https://make.wordpress.org/core/2024/07/12/wordpress-6-6-release-day-process/>



**Zunaid Amin** 12:02 PM



**Jigar Panchal** 12:02 PM



**Vagelis Papaioannou** 12:02 PM



**Tremi Dkhar** 12:02 PM



**Sergey Biryukov** 🇷🇺 12:02 PM



**Benjamin Zekavica** 🇩🇪 12:03 PM



**Meher Bala** 12:27 PM

Tuesday, July 16th ▾

It's testing time!

**There are 2 ways to help test the package:**

1. Use WP-CLI to test: wp core update <https://wordpress.org/wordpress-6.6.zip>
2. Directly download the Beta/RC version (e.g., <https://wordpress.org/wordpress-6.6.zip>)

**Tips On What to Test**

In particular, testing the following types of installs and updates would be much appreciated:

- WordPress install works correctly for manual install processes, as well as WP-CLI or one-click installers.
- Test upgrading from 4.0.38, 4.9.22, 5.8.6, 5.9.5, 6.0.3, 6.1.3, 6.2.2, and 6.3, 6.4, 6.5, 6.6-RC4, as well as any other versions possible.
- Remove the wp-config.php file and test a fresh install.
- Test single site and multisite/network (both subdirectory and subdomain) installations.
- Does it upgrade correctly? Are the files listed in `$_old_files` removed when you upgrade?
- Does multisite upgrade properly?

You can report back by sharing how you tested and what the result was with an emoji. For example:

6.5 &gt; 6.6 via beta tester

If it works, add 🟢

If any issues happen, add 🚫 so we can investigate.

**LaurentMILLET** 12:29 PM

6.6-RC4 -&gt; 6.6 via ZIP 🟢

(PHP 8.3)

Create a post 🟢

Create a comment 🟢



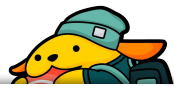
# Release Party Testing

WP-CLI Command:

```
wp core update https://wordpress.org/wordpress-X.Z.zip
```

Or you can use the WordPress Beta Tester Plugin, once the release party begins the testing phase it will find the available update.

# More Slack



## <new-contributor-meeting> in #core

Open meeting to ask questions about submitting patches, working with Trac, deciding which tickets to work on, or contributing to core in general. (Every month on the 2nd, 4th Wednesday)

Slack is a super useful tool to interact with the WordPress community learn how to better contribute.





**jamesroberts** APP 3:00 PM

@here <new-contributor-meeting> 🙌 Hello everyone! Who's around for the new contributor meeting?



**James Roberts** 3:02 PM

Welcome everyone!



We usually start with some general news/announcements, and do an open floor section for general questions for the first 20-30 minutes. We then switch to questions on specific tickets for the remainder of the meeting. We usually end 10-15 minutes before the top of the hour to leave a little breathing room for the weekly dev chat.

@desrosj, @floxos90, @adamsilverstein, @welcher, @audrasjb, @costdev, @kirasong, @OGlekler, @sergey, and myself are facilitators for these meetings. If you have any questions after the meeting, or anything that you are uncomfortable asking here, you are more than welcome to ping us throughout the week.

If you have any feedback or ideas on making these meetings more helpful, please do suggest 😊

If anyone has questions about submitting patches, working with Trac, deciding which tickets to work on, or contributing to core in general, please feel free to ask.

Just in case any new contributors are looking for some bugs to fix, this handbook section suggests some ideas:

<https://make.wordpress.org/core/handbook/contribute/fixing-bugs/#finding-bugs-to-fix>

Generally, I would recommend looking at the list of "good first bugs" to get started: <https://core.trac.wordpress.org/tickets/good-first-bugs>

And here is a similar list of "good first issues" for Gutenberg: <https://github.com/WordPress/gutenberg/contribute>

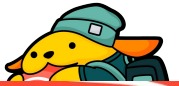
These are well-contained tasks designed to help you get familiar with WordPress core code, processes, and contributing, and not send you down a rabbit hole 😊

If nothing catches your eye on the "good first bugs" list, I would suggest looking at the tickets marked as `needs-patch`, `needs-testing`, `needs-design`, or `needs-design-feedback` in the current milestone:

<https://core.trac.wordpress.org/query?status=!closed&keywords=~good-first-bug&keywords=~needs-patch&keywords=~needs-testing&keywords=~needs-design&keywords=~needs-design-feedback&group=milestone&order=priority>

And here you can find all tickets currently slated for the next major release: <https://core.trac.wordpress.org/tickets/major/workflow>

## 2. Testing Issues



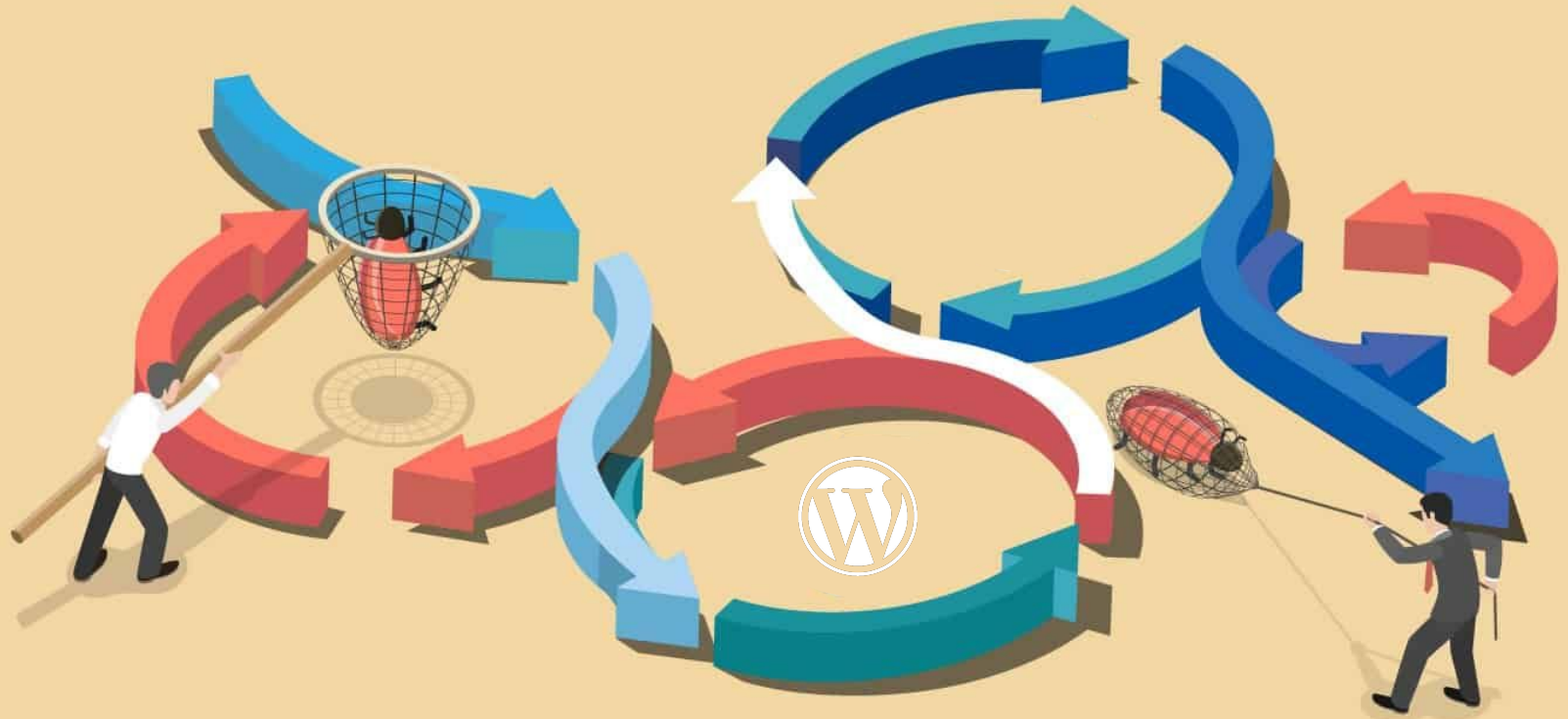
# Testing Bug Fixes

With every bug or issue that is reported in WordPress, we have the opportunity to:

1. reproduce the issue
2. test that a patch fixes the issue
3. that it doesn't cause other issues.





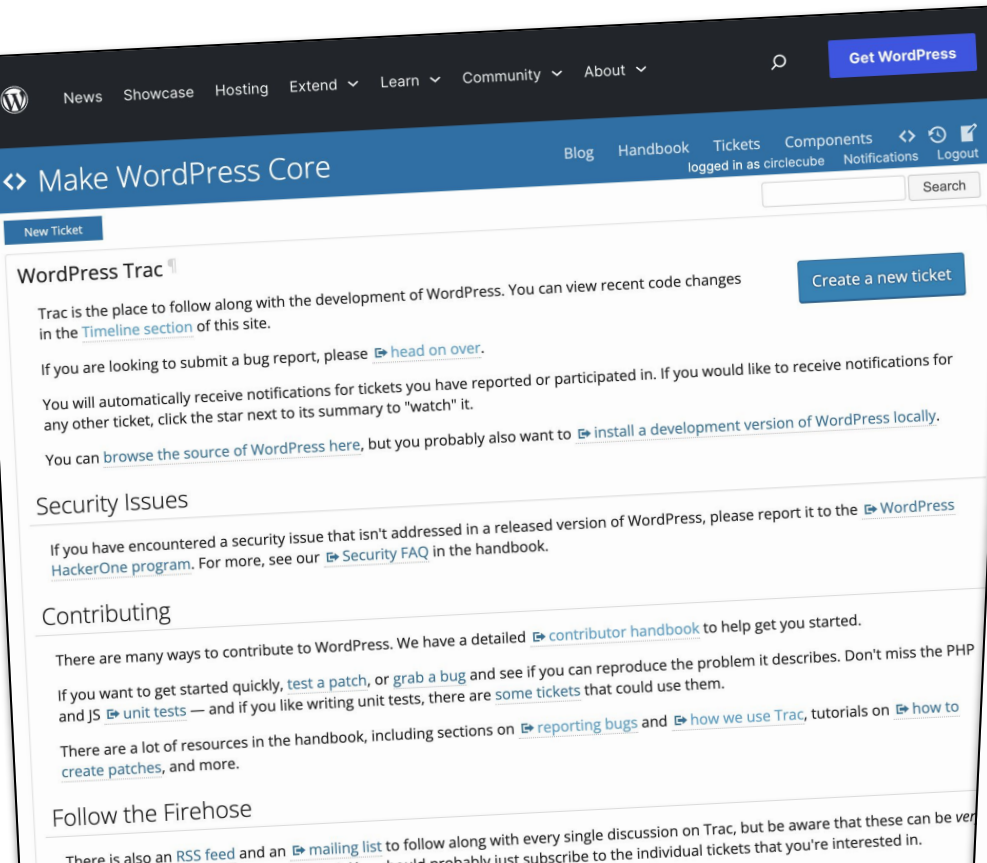


# Bug Ticket Lifecycle/Workflow

1. User finds a bug and submits it.
2. Bug confirmed/reproduced.
3. Developer submits code changes (patch/PR).
4. Users test the patch confirming it fixes the bug.
5. A core committer applies the patch to the core code.
6. Bug ticket is closed/fixed.
7. Next release will include code changes.
8. Everyone involved receives credit/props for contributing to WordPress.



# Paths: Core/Trac OR Gutenberg/GitHub



The screenshot shows the WordPress Core Trac page. At the top, there's a navigation bar with links for News, Showcase, Hosting, Extend, Learn, Community, and About. A 'Get WordPress' button is on the right. Below the navigation, the page title is 'Make WordPress Core'. There are links for Blog, Handbook, Tickets, Components, and a search bar. The main content area is titled 'WordPress Trac' and includes a 'New Ticket' button. The text explains that Trac is for following development and provides instructions on how to report bugs, receive notifications, and browse the source code. There are also sections for 'Security Issues' and 'Contributing'.

News Showcase Hosting Extend Learn Community About

Get WordPress

Blog Handbook Tickets Components

logged in as circlecube Notifications Logout

Make WordPress Core

New Ticket

## WordPress Trac

Trac is the place to follow along with the development of WordPress. You can view recent code changes in the [Timeline section](#) of this site.

If you are looking to submit a bug report, please [head on over](#).

You will automatically receive notifications for tickets you have reported or participated in. If you would like to receive notifications for any other ticket, click the star next to its summary to "watch" it.

You can [browse the source of WordPress here](#), but you probably also want to [install a development version of WordPress locally](#).

Create a new ticket

## Security Issues

If you have encountered a security issue that isn't addressed in a released version of WordPress, please report it to the [WordPress HackerOne program](#). For more, see our [Security FAQ](#) in the handbook.

## Contributing

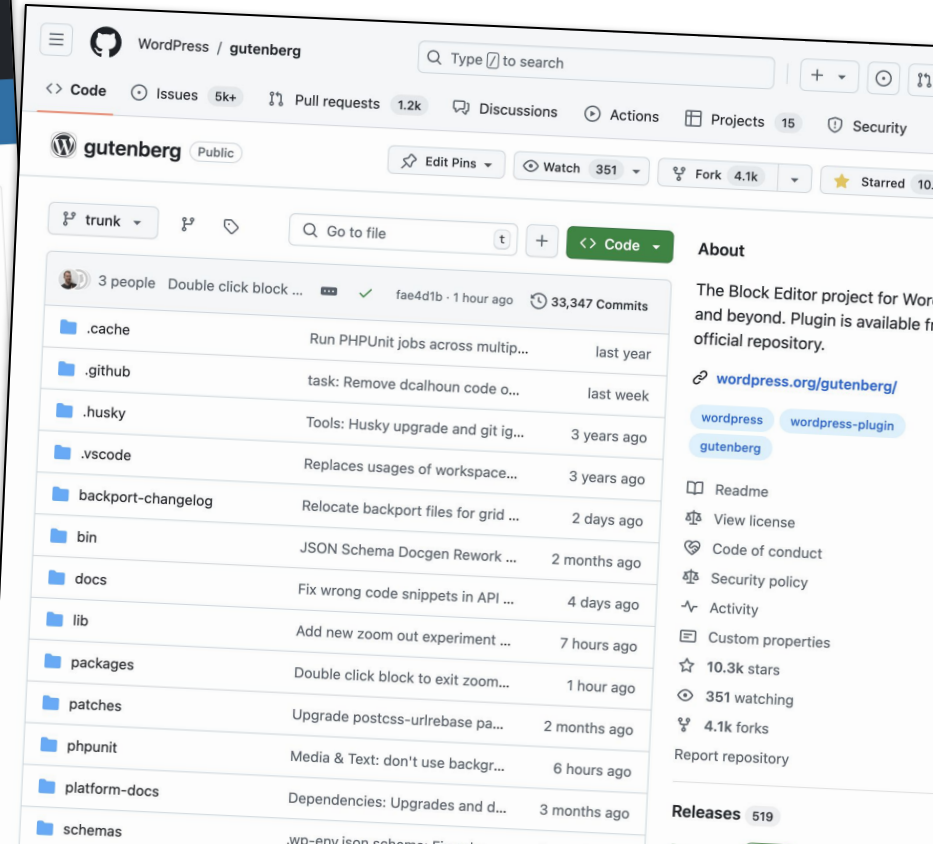
There are many ways to contribute to WordPress. We have a detailed [contributor handbook](#) to help get you started.

If you want to get started quickly, [test a patch](#), or [grab a bug](#) and see if you can reproduce the problem it describes. Don't miss the PHP and JS [unit tests](#) — and if you like writing unit tests, there are [some tickets](#) that could use them.

There are a lot of resources in the handbook, including sections on [reporting bugs](#) and [how we use Trac](#), tutorials on [how to create patches](#), and more.

## Follow the Firehose

There is also an [RSS feed](#) and an [mailing list](#) to follow along with every single discussion on Trac, but be aware that these can be very noisy. You should probably just subscribe to the individual tickets that you're interested in.



The screenshot shows the GitHub repository for WordPress Gutenberg. The repository name is 'WordPress / gutenberg'. It has 5k+ issues, 1.2k pull requests, and 351 discussions. The repository is public and has 351 watchers, 4.1k forks, and 10.3k stars. The main branch is 'trunk'. The repository contains a list of files and folders, including .cache, .github, .husky, .vscode, backport-changelog, bin, docs, lib, packages, patches, phpunit, platform-docs, and schemas. The 'About' section describes the project as 'The Block Editor project for WordPress and beyond' and provides links to the official repository and documentation.

WordPress / gutenberg

Type to search

Code Issues 5k+ Pull requests 1.2k Discussions Actions Projects 15 Security

gutenberg Public

Edit Pins Watch 351 Fork 4.1k Starred 10.3k

trunk

Go to file

Code

About

The Block Editor project for WordPress and beyond. Plugin is available from the official repository.

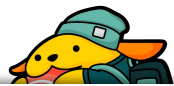
[wordpress.org/gutenberg/](#)

wordpress wordpress-plugin gutenberg

Readme View license Code of conduct Security policy Activity Custom properties 10.3k stars 351 watching 4.1k forks Report repository Releases 519

| File/Folder        | Description                          | Last Update  |
|--------------------|--------------------------------------|--------------|
| .cache             | Run PHPUnit jobs across multip...    | last year    |
| .github            | task: Remove dcalhoun code o...      | last week    |
| .husky             | Tools: Husky upgrade and git ig...   | 3 years ago  |
| .vscode            | Replaces usages of workspace...      | 3 years ago  |
| backport-changelog | Relocate backport files for grid ... | 2 days ago   |
| bin                | JSON Schema Docgen Rework ...        | 2 months ago |
| docs               | Fix wrong code snippets in API ...   | 4 days ago   |
| lib                | Add new zoom out experiment ...      | 7 hours ago  |
| packages           | Double click block to exit zoom...   | 1 hour ago   |
| patches            | Upgrade postcss-urlrebase pa...      | 2 months ago |
| phpunit            | Media & Text: don't use backgr...    | 6 hours ago  |
| platform-docs      | Dependencies: Upgrades and d...      | 3 months ago |
| schemas            | WP-ENV json schema: Fi...            |              |

# Introducing Trac



# Trac

WordPress uses Trac, an open source bug tracker tool.

Tickets are used for both bug reports and feature development.

Tickets may be created by anyone with a WordPress.org account.





# Make WordPress Core

New Ticket

Search

[New Custom Query](#)

## {22} Active Tickets (192 matches)

- Tickets that have been active in the past two weeks
- Sort by modified
- Accepted tickets have an '\*' appended to their owner's name

Update

Max items per page 200

Create a new ticket

## Yesterday (42 matches)

| Ticket | Summary   | Owner    | Component         | Priority | Severity | Milestone       | Type           | Workflow     | Modified   |
|--------|---|----------|-------------------|----------|----------|-----------------|----------------|--------------|------------|
| #18400 | Suggested label change for "Stick this post to the front page"  |          | Posts, Post Types | normal   | normal   | Future Release  | enhancement    | dev-feedback | 08/30/2024 |
| #61754 | Unused array_merge call?  |          | Script Loader     | normal   | normal   | 6.7             | defect (bug)   | has-patch    | 08/30/2024 |
| #61608 | Docblock improvements for WP 6.7  |          | General           | normal   | normal   | 6.7             | task (blessed) | has-patch    | 08/30/2024 |
| #61847 | Auto Sizes for Lazy-loaded Images   | mukesh27 | Media             | normal   | normal   | 6.7             | enhancement    | has-patch    | 08/30/2024 |
| #61958 | Rename <code>wp_should_load_separate_core_block_assets()</code> to clarify its purpose  | flixos90 | Editor            | normal   | normal   | 6.7             | enhancement    | dev-feedback | 08/30/2024 |
| #61965 | Provide a way for classic themes to use <code>wp-block-library</code> even when loading block assets only for blocks that actually render on a page |          | General           | normal   | normal   | Awaiting Review | enhancement    |              | 08/30/2024 |
| #60892 | About Page: <code>text-wrap: balance;</code> adds unintended new lines in Japanese  |          | Help/About        | normal   | normal   | 6.6.2           | defect (bug)   | has-patch    | 08/30/2024 |
| #40958 | <code>force_balance_tags</code> breaks Ninjaforms and probably other plugins that output html within js.  |          | Shortcodes        | normal   | normal   | Awaiting Review | defect (bug)   |              | 08/30/2024 |
| #61890 | Handle WP_Term dynamic properties for PHP 8.2   |          | Taxonomy          | normal   | minor    | 6.7             | defect (bug)   | has-patch    | 08/30/2024 |



# Make WordPress Core

New Ticket

## Trac Ticket Reports ✕

- 🕒 Latest Tickets
- 🔄 Active Tickets
- 🕒 Trac Timeline
- 📊 Ticket Graphs
- ◀ ▶ Browse Source
- 👤 Milestones

## Me

- 📄 Create a Ticket
- 📌 My Tickets
- 📄 My Patches
- “ Tickets I've Participated In
- ★ Tickets I'm Watching

## Tickets by Release

- 📅 Next Major Release (6.7)
- 📅 Next Minor Release
- 💡 Future Releases
- 📅 Grouped by workflow
- 📅 Grouped by workflow
- 📅 Grouped by workflow

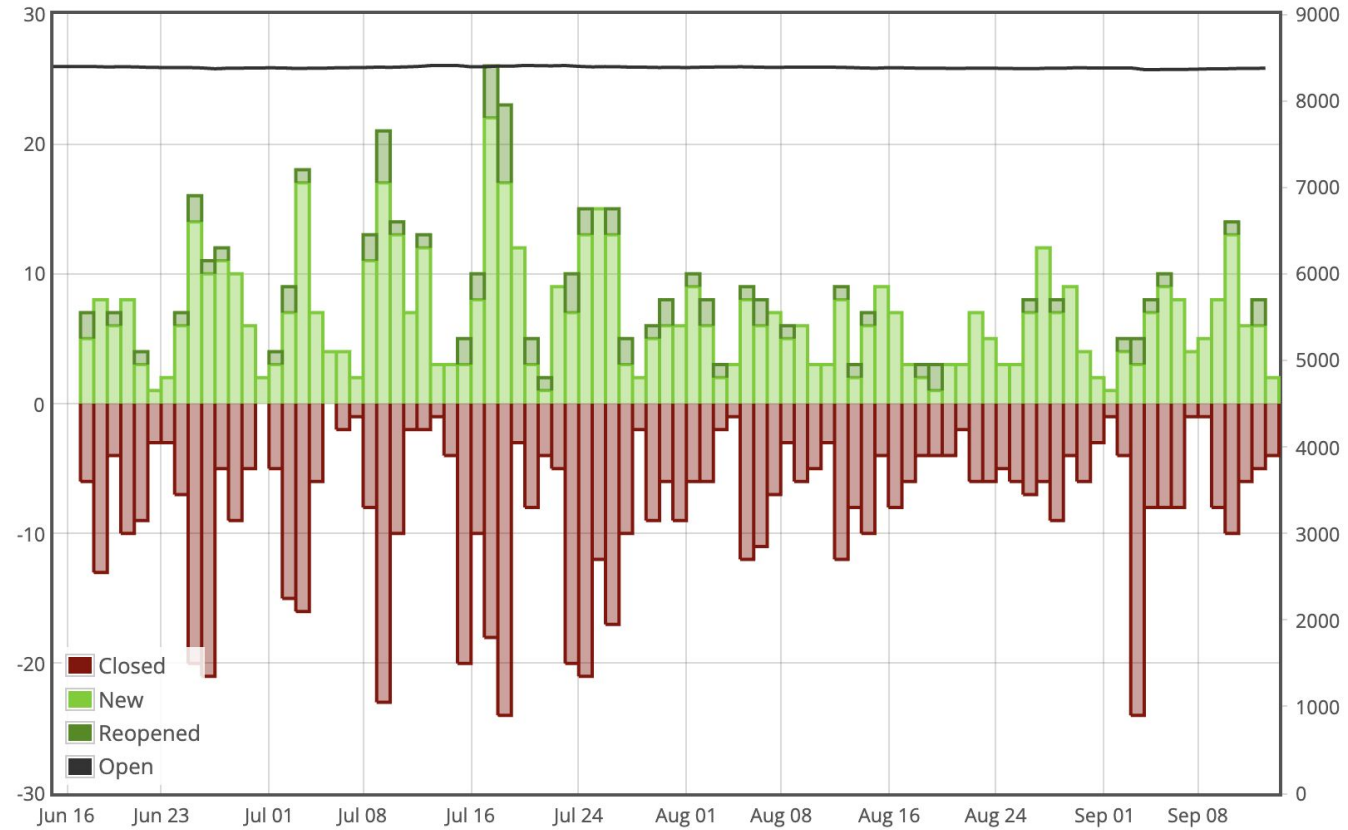
## Tickets by Topic

- ⚙️ Tickets by Component
  - 👁️ Tickets by Focus
  - 🔍 Design your own query
- Select a component ▼      Select a focus ▼

# Ticket Graph

## Last 90 days

by Component:





You can [search for existing tickets here](#). For more help, please see the [contributor handbook](#).

Summary:

Description: **B** *I* **A**   PHP    

You may use [WikiFormatting](#) here.

Type:

Severity:

Version:

Component:

Workflow Keywords:

Contributor Focuses:

- 
- 
- 
- 

#### Action

create *The status will be 'new'.*

assign to  *The owner will be the specified user.*

I have files to attach to this ticket

# Workflow Keywords

- good-first-bug
- has-patch
- needs-patch
- needs-screenshots
- needs-unit-tests
- has-unit-tests
- has-screenshots
- dev-feedback
- dev-reviewed
- needs-testing
- reporter-feedback

✓ - Add -

has-patch

needs-patch

needs-refresh

changes-requested

reporter-feedback

dev-feedback

2nd-opinion

close

**needs-testing**

has-testing-info

needs-testing-info

needs-design

needs-design-feedback

has-unit-tests

needs-unit-tests

needs-design

needs-design-feedback

has-unit-tests

needs-unit-tests

has-dev-note

needs-dev-note

add-to-field-guide

has-privacy-review

needs-privacy-review

has-copy-review

needs-copy-review

needs-docs

needs-user-docs

has-screenshots


needs-screenshots

# Best Practices

Make sure you are on the latest version of WordPress. To avoid duplicate tickets search for any existing ticket for this issue already.

When submitting a new issue, include:

- a detailed description of the issue
- steps to reproduce the issue consistently
- describe the expected vs actual results
- attach screenshots
- any additional information that could be useful:  
Operating System/browser and version/server details/PHP version








*Security Vulnerabilities  
should be reported at HackerOne  
and not publicly on trac!*

- Are you using either the latest version of WordPress, or the latest development version? If not, please update first.
- What steps should be taken to consistently reproduce the problem?

# Video: How To Use Trac

You can search for existing tickets here. For more help, please see the [contributor handbook](#).

Summary:

Description: **B I A**   PHP    You may use WikiFormatting here.

When using Z, X does not Y. Instead, it does A, and B. Because this is an unexpected outcome, this causes C.

To reproduce:

1. Step 1
2. Step 2
3. Step 3
4. Step 4

I've verified this issue on a fresh install with all plugins disabled.

Milestone:

Type:

Version:

Workflow Keywords:

Priority:

Severity:

Component:

Focuses:

Action

create *The status will be 'new'.*

assign to  *The owner will be the specified user.*

I have files to attach to this ticket

# new defect (bug) (ticket not yet created)

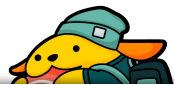
# Tickets

The goal: participate in a constructive dialog to resolve the issue.

You can contribute at any state, but pay close attention to workflow keywords:

- **needs-screenshots** - can you reproduce the issue and add screenshots?
- **needs-testing** - indicates the ticket is looking for testers
- **has-patch** - test the patch to ensure it fixes the issue

# Gutenberg - Block Editor



# GitHub Issues

While core WordPress issues are tracked in Trac, since the block and site editor are both still part of the Gutenberg feature plugin, issues related to this part of WordPress are managed in the `gutenberg github` project.

Create Gutenberg issues on the project's GitHub issue tracker.

The ticket flow is essentially the same, but the issue is reported and fixed on github rather than trac.



**Phase 3: Collaboration index**  
 #61162 opened on Apr 26 by priethor  
 Open

**Block API**  
 #41236 opened on May 23, 2022 by gziolo  
 Open 27

5,987 Open 22,107 Closed Author Label Projects Milestones Assignee Sort

[Block Bindings] Human readable label for Meta fields [Feature] Block bindings [Type] Enhancement #65066 opened 5 hours ago by dannyreaktiv

Style Book: iframe brings an additional tab stop in between tablist and tabpanel [Global Styles] [Type] Bug #65065 opened 5 hours ago by ciampo

Site Editor: Inserter is confusing when editing pages [Feature] Site Editor [Type] Bug #65063 opened 6 hours ago by talldan 2 tasks done

Typing in an RTL language incosisten if the syte language is LTR [Type] Bug #65061 opened 7 hours ago by gikaragia 2 tasks done

Pattern Overrides: Refactor block toolbar indicator [Block] Pattern [Type] Code Quality #65058 opened 7 hours ago by talldan 3 tasks

Taxonomies: Term order not retained (if sort is true) [Type] Bug #65052 opened 9 hours ago by ockham 2 tasks done

Categories List: Add Inline Option [Type] Enhancement #65049 opened 10 hours ago by iamtakashi

# GitHub Pull Requests

The equivalent of a Patch in git is a Pull Request.



Filters is:pr is:open

Labels 343

Milestones 1

New pull request

1,220 Open 34,929 Closed Author Label Projects Milestones Reviews Assignee Sort

Add props for buttons in editor 1 x First-time Contributor #65068 opened 4 hours ago by AKSHAT2802 · Review required 9

Query Loop: Add check for current post type x [Block] Query Loop [Type] Bug #65067 opened 5 hours ago by mikachan · Draft 2

Build: Prepare build for more script modules x [Feature] Script Modules API #65064 opened 5 hours ago by sirreal · Draft 4

Try: Populate block context with inherited post type from template slug x [Feature] Block bindings [Type] Enhancement #65062 opened 6 hours ago by SantosGuillamot · Draft 3

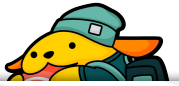
Add: Typography styling support to the navigation submenu block. x [Block] Navigation [Feature] Navigation Menus [Type] Bug 1 #65060 opened 7 hours ago by jorgefilipecosta · Review required 1

Bump ruby/setup-ruby from 1.190.0 to 1.191.0 in the github-actions group x GitHub Actions [Type] Build Tooling #65056 opened 8 hours ago by dependabot bot · Review required

Block Editor: Improve the Select/Navigation mode and keep it persistent x [Package] Block editor [Type] Enhancement #65055 opened 8 hours ago by youknowriad · Draft 6

Update Card radius x [Package] Components [Type] Enhancement #65053 opened 8 hours ago by jameskoster · Review required 5

# Ticket Walkthrough



# Reporting an Issue

- A user (Issue Reporter) finds a bug in WordPress core
  - (not a theme or a plugin, and not a support request)
- Confirm it is not yet reported
- Submits a bug report to Trac

Reporter involvement doesn't end after submitting the ticket. Others may request more information with the **reporter-feedback** keyword.

Reporters can also help verify that proposed patches fix the bug.

I have files to attach to this ticket

Preview

Create ticket

# [new defect \(bug\)](#)

*(ticket not yet created)*

## X does not Y when using Z

Reported by: [desrosjbot](#)

Owned by:

Priority: [normal](#)

Milestone:

[Awaiting Review](#)

Component: [Media](#)

Version:

[5.6](#)

Severity: [normal](#)

Keywords:

[needs-unit-tests](#)

Focuses:

[docs](#)

### Description

When using Z, X does not Y. Instead, it does A, and B. Because this is an unexpected outcome, this causes C.

To reproduce:

1. Step 1
2. Step 2
3. Step 3
4. Step 4

I've verified this issue on a fresh install of WordPress with all plugins disabled.

Note: See [TracTickets](#) for help on using tickets.



#40578 closed defect (bug) (fixed)

Opened 7 years ago

Closed 7 years ago

Last modified 7 years ago

Media Library: Clicking the edges of the media does not select, it only focuses the li.

Reported by:



circlecube

Owned by:



adamsilverstein

Milestone:

4.9

Priority:

normal

Severity:

normal

Version:

4.8

Insert Media

Create Gallery

Featured Image

Insert from URL

## Insert Media

Upload Files

Media Library

All media items

All dates

Search media item



### ATTACHMENT DETAILS



300x300.png

April 26, 2017

3 KB

300 x 300

[Edit Image](#)

[Delete Permanently](#)

URL

Title

Caption

# Reproducing Issues


See if you can reproduce issues reported in tickets.

If you can, elaborate on the issue, write clear steps to reproduce and add screenshots.

If you can't, ask for more information and add the **reporter-feedback** keyword to let the reporter know too.



## `upgrader\_process\_complete` runs when no plugins selected to upgrade

Reported by:  [brianhenryie](#)

Owened by:

Milestone: [Awaiting Review](#) Priority: [normal](#)

Severity: [normal](#) Version: [6.6.1](#)

Component: [Upgrade/Install](#) Keywords: [has patch](#)

### Description

When JavaScript is disabled it is possible to submit `plugin_update_option` with `update-selected`:

The update process is starting. This process may take a few minutes.  
Updating Plugin (1/1)

### Plugins

[Add New Plugin](#)

All (6) | Active (2) | Inactive (4) | Must-Use (2) | Drop-ins (2) | Auto-updates (2)

| Plugin Name   | Description   |
|---|---|
| Security, performance, and marketing plugin that keeps your site protected so you can focus on your business. | Security, performance, and marketing plugin that keeps your site protected so you can focus on your business. |
| Version 13.7   By Automattic   View details   | Version 13.7   By Automattic   View details   |

Bulk actions

- Activate
- Deactivate**
- Update
- Delete
- Enable Auto-updates
- Disable Auto-updates

[Apply](#)

## Debugger

- Disable JavaScript**

Please select at least one item to perform this action.

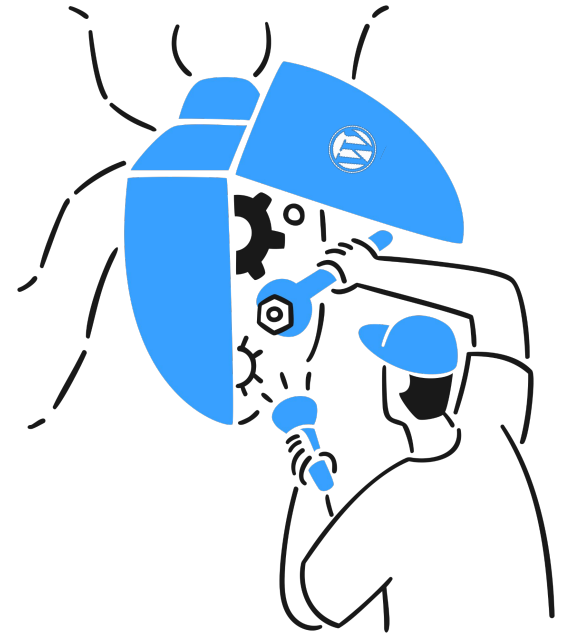
This is problematic where we are listening to the `upgrader_process_complete`.

# Patch

Those who can code, can submit fixes for bugs that have been reported.

This process is also known as “patching”

Patches on a ticket are either a submitted file that shows the code changes or a pull request to the github mirror.



# Testing a Patch

Testing patches is an important part of ensuring the quality of WordPress.

Steps:

1. WordPress Environment
2. Reproduce the issue
3. Apply the patch
4. Perform Testing: try to reproduce the issue again
5. Give feedback on the ticket

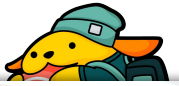
# Environment

There are multiple ways to set up a local core WordPress environment for testing (and development). Find one that fits you.

There are some tools that make this fairly simple: **wp-env**, *Local*.

Or simply use [Playground](#).

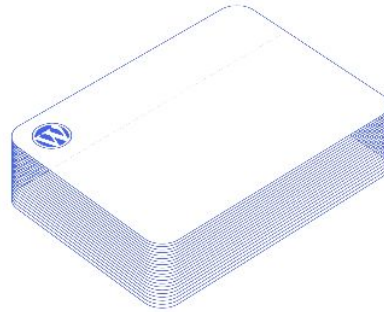
# Testing Patches in Playground





# WordPress in one click

WordPress Playground is the platform that lets you run WordPress instantly on any device without a host. It's your place to build, experiment, test, and grow.



[Explore Playground](#)

## Start exploring instantly

Build

# Testing in Playground

[WordPress Playground](#) is a project that creates a full WordPress instance entirely within the browser. “WordPress in one click!”

A really good fit for someone that isn't super technical, experienced with programming, or comfortable applying patches to code locally on their own computer.

To test using playground instance:

- If in Trac, follow the [View PR](#) button to the PR on github.
- On the PR, find the “**Test Using WordPress Playground**” comment.
- Click the “[Test this pull request with WordPress Playground](#)” link!

▼ Attachments (9)

- [Screenshot 2020-10-16 at 11.10.57.png](#)  (33.9 KB) - added by [johnbillion](#) [4 years ago](#).
- [Screenshot 2020-10-16 at 11.11.26.png](#)  (25.3 KB) - added by [johnbillion](#) [4 years ago](#).
- [51551.patch](#)  (429 bytes) - added by [opurockey](#) [4 years ago](#).  
[Apply patch](#)
- [51551.1.patch](#)  (429 bytes) - added by [opurockey](#) [4 years ago](#).  
[Apply patch](#)
- [admin-menu.png](#)  (44.1 KB) - added by [ryelle](#) [3 years ago](#).
- [51551.2.diff](#)  (379 bytes) - added by [kurudrive](#) [3 years ago](#).
- [51551\\_1\\_ss.png](#)  (364.7 KB) - added by [kurudrive](#) [3 years ago](#).
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- [admin-menu- 51551-3-diff.mov](#)  (802.4 KB) - added by [kurudrive](#) [3 years ago](#).

Attach another file

Download all attachments as: [.zip](#)

▼ Pull Requests (2)

[#685 51551 Unclickable area within admi...](#) by [@colinduwe](#)

 Closed +17 -1

View patch

View PR

[#1629 remove the cursor pointer rule for...](#) by [@circlecube](#)

 Closed +0 -1

View patch

View PR





github-actions bot commented 8 hours ago



## Test using WordPress Playground

The changes in this pull request can be previewed and tested using a [WordPress Playground](#) instance.

[WordPress Playground](#) is an experimental project that creates a full WordPress instance entirely within the browser.

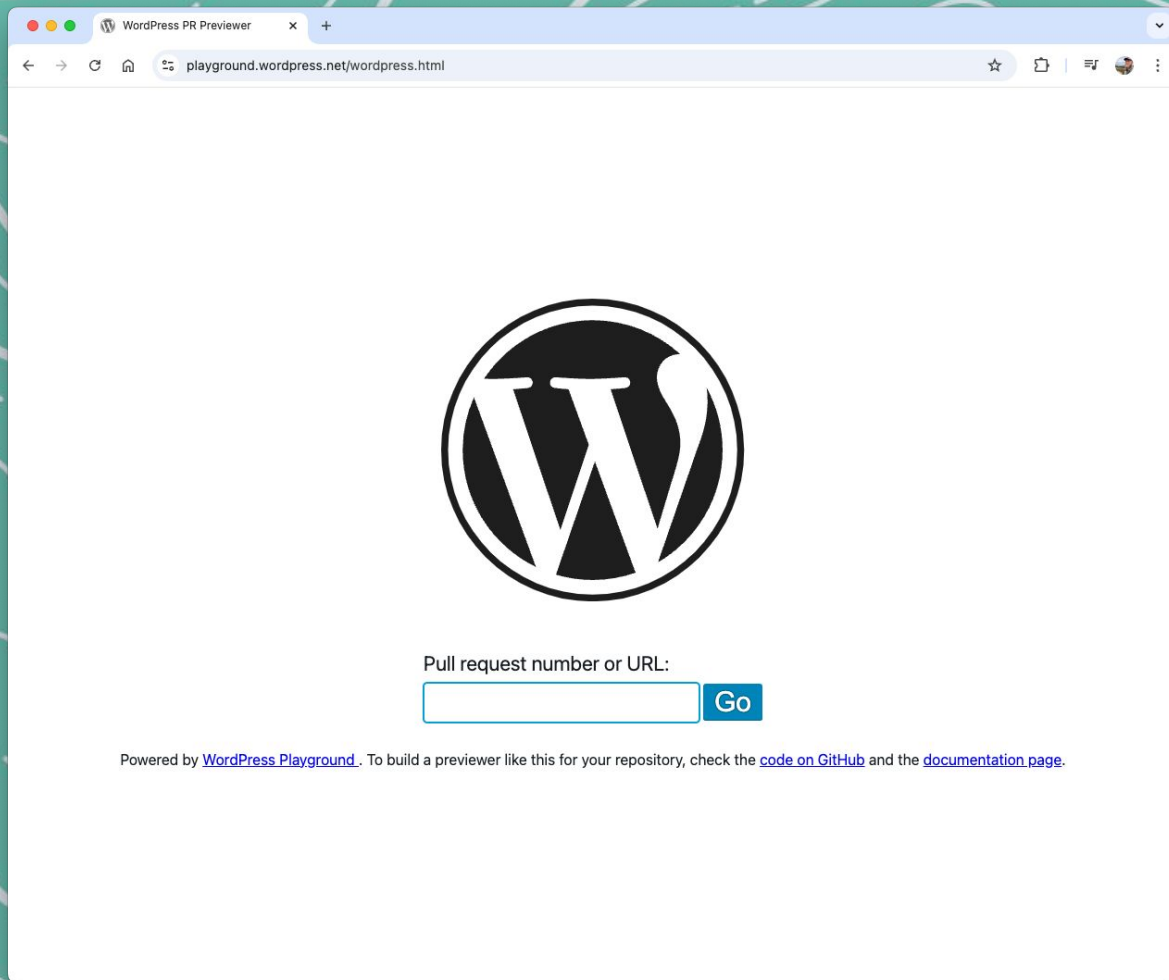
### Some things to be aware of

- The Plugin and Theme Directories cannot be accessed within Playground.
- All changes will be lost when closing a tab with a Playground instance.
- All changes will be lost when refreshing the page.
- A fresh instance is created each time the link below is clicked.
- Every time this pull request is updated, a new ZIP file containing all changes is created. If changes are not reflected in the Playground instance, it's possible that the most recent build failed, or has not completed. Check the [list of workflow runs to be sure](#).

For more details about these limitations and more, check out the [Limitations page](#) in the WordPress Playground documentation.

[Test this pull request with WordPress Playground.](#)





WordPress Playground

playground.wordpress.net/?php=8.3&wp=https%3A%2F%2Fplayground.wordpress.net%2Fplugin-proxy.php%3Forg%3D...

/wp-admin/ PHP 8.3 - WP ...plugin-proxy.ph - Storage: None

My WordPress Website 0 New Howdy, admin

Dashboard Screen Options Help

# Welcome to WordPress!

[Learn more about the 6.7 version.](#)

**Author rich content with blocks and patterns**

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.

[Add a new page](#)

**Customize your entire site with block themes**

Design everything on your site — from the header down to the footer, all using blocks and patterns.

[Open site editor](#)

**Switch up your site's look & feel with Styles**

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?

[Edit styles](#)

**Site Health Status**

No information yet...

Site health checks will automatically run periodically to gather information about your site. You can also [visit the Site Health screen](#) to gather information about your site now.

**Quick Draft**

Title

Content

What's on your mind?

[Save Draft](#)

**At a Glance**

1 Post 1 Page

1 Comment

WordPress 6.7-alpha-20240828.174649 running [Twenty Twenty-Four](#) theme.

WordPress Playground

playground.wordpress.net/#%7B"\$schema":"https://playground.wordpress.net/blueprint-schema.json","landingPage":"w/...

/wp-admin/ PHP 7.4 - WP...plugin-proxy.ph Storage: None

My WordPress Website + New Howdy, admin

Dashboard

## Dashboard

Welcome

Learn more about WordPress

Author blocks

Block pa...  
block lay...  
inspired...  
flash.

Add a ne...

Switch up your site's look & feel with Styles

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?

[Edit styles](#)

Site Health Status

No information yet...

At a Glance

1 Post 1 Page

1 Comment

WordPress 6.7-alpha-20240828.174649 running Twenty Twenty-Four theme.

### Customize Playground

Storage type

- None: changes will be lost on page refresh.
- Browser: stored in this browser.
- Device: stored locally in your device (beta).

PHP Version

- Load extensions: libxml, openssl, mbstring, iconv, gd. Uncheck to save ~6MB of initial downloads.
- Network access (e.g. for browsing plugins)

WordPress Version

[Need an older version?](#)

Apply changes

# WordPress!

on.

- 🗑 Reset site
- ⚙ Report error
- ↓ Download as .zip
- ↑ Restore from .zip
- ☁ Import from GitHub
- 🔗 Export Pull Request to GitHub
- ☰ View logs
- 🔗 Edit the Blueprint

#### MORE RESOURCES

- 🔗 Preview WordPress Pull Request
- 🔗 More demos
- 🔗 Documentation
- 🔗 GitHub



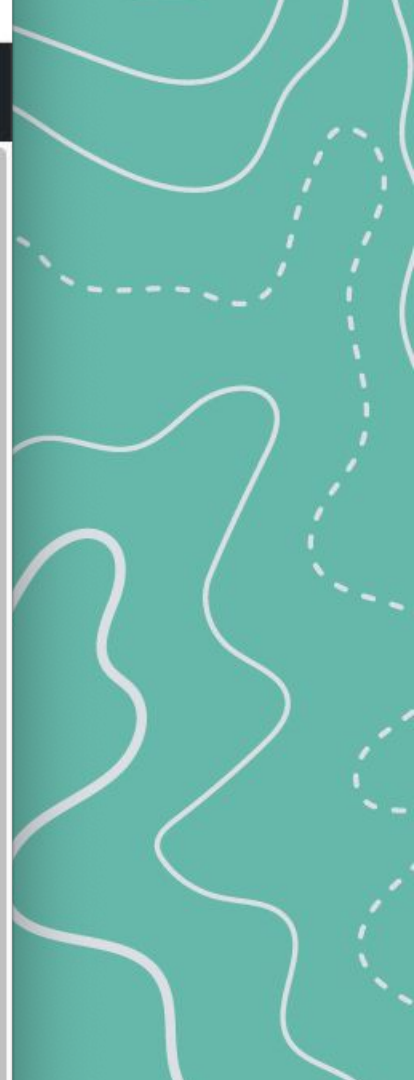
Customize your entire site with block themes

Design everything on your site — from the header down to the

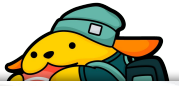


Sw & f

Two new



# Testing Patches Locally



# .diff files

## ▼ Attachments (6)

- [20170426-media-library-focus-select.gif](#) 📎 (1.8 MB) - added by circlecube [7 years ago](#).  
*media library focus select issue*
- [40578.diff](#) 📎 (923 bytes) - added by *psiico* [7 years ago](#).  
*patch*
- [40578-2.diff](#) 📎 (134.7 KB) - added by circlecube [7 years ago](#).
- [May-01-2017 10-59-20-patch40578-2.gif](#) 📎 (2.0 MB) - added by circlecube [7 years ago](#).  
*here's a screengif of the patch with the fix.*
- [40578-3.diff](#) 📎 (519 bytes) - added by circlecube [7 years ago](#).  
*cleaner patch with just the single line change*
- [40578.2.diff](#) 📎 (1.1 KB) - added by *adamsilverstein* [7 years ago](#).

Attach another file

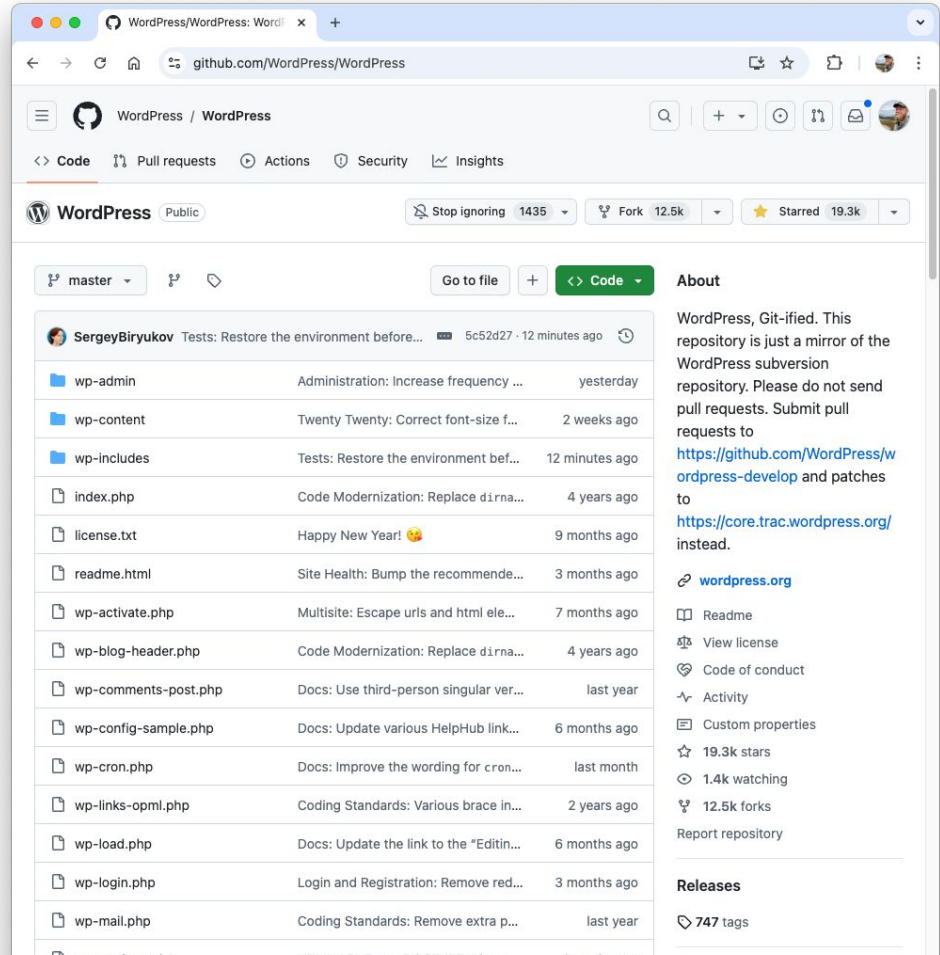
## ▼ Pull Requests (0)

To link a Pull Request to this ticket, create a new Pull Request in the [WordPress GitHub mirror](#) and include this ticket's URL in the description.

# WordPress Git-ified

WordPress GitHub mirror

For developers who prefer using git for version control.



The screenshot shows the GitHub repository page for WordPress. The browser address bar displays 'github.com/WordPress/WordPress'. The repository name 'WordPress' is shown with a 'Public' label. Statistics include 'Stop ignoring 1435', 'Fork 12.5k', and 'Starred 19.3k'. The 'Code' tab is selected, showing a file list for the 'master' branch. The file list includes folders like 'wp-admin', 'wp-content', and 'wp-includes', and files like 'index.php', 'license.txt', 'readme.html', and various PHP files. A commit by 'SergeyBiryukov' is visible at the top of the file list. On the right, the 'About' section explains that this is a mirror repository and provides instructions for submitting pull requests to the development repository.

| File/Folder          | Commit Message                          | Time           |
|----------------------|---|----------------|
| wp-admin             | Administration: Increase frequency ...  | yesterday      |
| wp-content           | Twenty Twenty: Correct font-size f...   | 2 weeks ago    |
| wp-includes          | Tests: Restore the environment bef...   | 12 minutes ago |
| index.php            | Code Modernization: Replace dirna...    | 4 years ago    |
| license.txt          | Happy New Year! 🎉                       | 9 months ago   |
| readme.html          | Site Health: Bump the recommende...     | 3 months ago   |
| wp-activate.php      | Multisite: Escape urls and html ele...  | 7 months ago   |
| wp-blog-header.php   | Code Modernization: Replace dirna...    | 4 years ago    |
| wp-comments-post.php | Docs: Use third-person singular ver...  | last year      |
| wp-config-sample.php | Docs: Update various HelpHub link...    | 6 months ago   |
| wp-cron.php          | Docs: Improve the wording for cron...   | last month     |
| wp-links-opml.php    | Coding Standards: Various brace in...   | 2 years ago    |
| wp-load.php          | Docs: Update the link to the "Editin... | 6 months ago   |
| wp-login.php         | Login and Registration: Remove red...   | 3 months ago   |
| wp-mail.php          | Coding Standards: Remove extra p...     | last year      |

**About**

WordPress, Git-ified. This repository is just a mirror of the WordPress subversion repository. Please do not send pull requests. Submit pull requests to <https://github.com/WordPress/wordpress-develop> and patches to <https://core.trac.wordpress.org/> instead.

- [wordpress.org](https://wordpress.org)
- Readme
- View license
- Code of conduct
- Activity
- Custom properties
- 19.3k stars
- 1.4k watching
- 12.5k forks
- Report repository

**Releases**

747 tags



# Patch via Pull Request (PR)

## ▼ Attachments (9)

- [Screenshot 2020-10-16 at 11.10.57.png](#) 📎 (33.9 KB) - added by [johnbillion](#) 4 years ago.
- [Screenshot 2020-10-16 at 11.11.26.png](#) 📎 (25.3 KB) - added by [johnbillion](#) 4 years ago.
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- [admin-menu- 51551-3-diff.mov](#) 📎 (802.4 KB) - added by [kurudrive](#) 3 years ago.

Attach another file

Download all attachments as: [.zip](#)

## ▼ Pull Requests (2)

[#685 51551 Unclickable area within admi...](#) by [@colinduwe](#)

✅ Closed +17 -1

View patch

View PR

[#1629 remove the cursor pointer rule for...](#) by [@circlecube](#)

✅ Closed +0 -1

View patch

View PR

# Apply .diff for testing

Apply a patch to your local working copy with grunt commands.

Download the diff file from trac ticket and apply with a grunt command.

```
grunt patch
```

If multiple files are found, you'll be asked which one to apply.

# Apply `.diff` for testing

Add the ticket number to have grunt download the diff file too:

```
grunt patch:00000
```

Or a link to the ticket:

```
grunt patch:<https://trac.../ticket/00000>
```

Or a link to the diff file:

```
grunt patch:<https://trac.../00000.diff>
```

(Replace the `00000` with the ticket number)

# Apply .diff for testing

You can also use a github patch link for grunt:

```
grunt patch:<https://PR/URL/00000.diff>
```

You can also use a PR link for grunt:

```
grunt patch:<https://PR/URL/00000>
```

# Feedback



# Give Feedback

In Playground or locally, be sure to give feedback after testing a patch!

Most importantly, indicate if the patch fixes the issue for you.

There are templates to get you started if you're not sure what to say.

## == Test Report


This report validates that the indicated patch addresses the issue.

Patch tested: REPLACE\_WITH\_PATCH\_URL

## === Environment

- OS: macOS 12.3.1
- Web Server: Nginx
- PHP: 7.4.29
- WordPress: 6.0-RC1-53341-src
- Browser: Safari 15.4
- Theme: Twenty Twenty-Two
- Active Plugins:
  - Gutenberg 13.2.0
  - WordPress Beta Tester 3.2.1

## === Actual Results

-  Issue resolved with patch.

## === Additional Notes

- Any additional details worth mention.

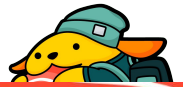
## === Supplemental Artifacts

Add Inline: `[[Image(REPLACE_WITH_IMAGE_URL)]]`

Or

Add as Attachment

# 3. Usability Testing/Outreach





# FSE Outreach Experiment Project

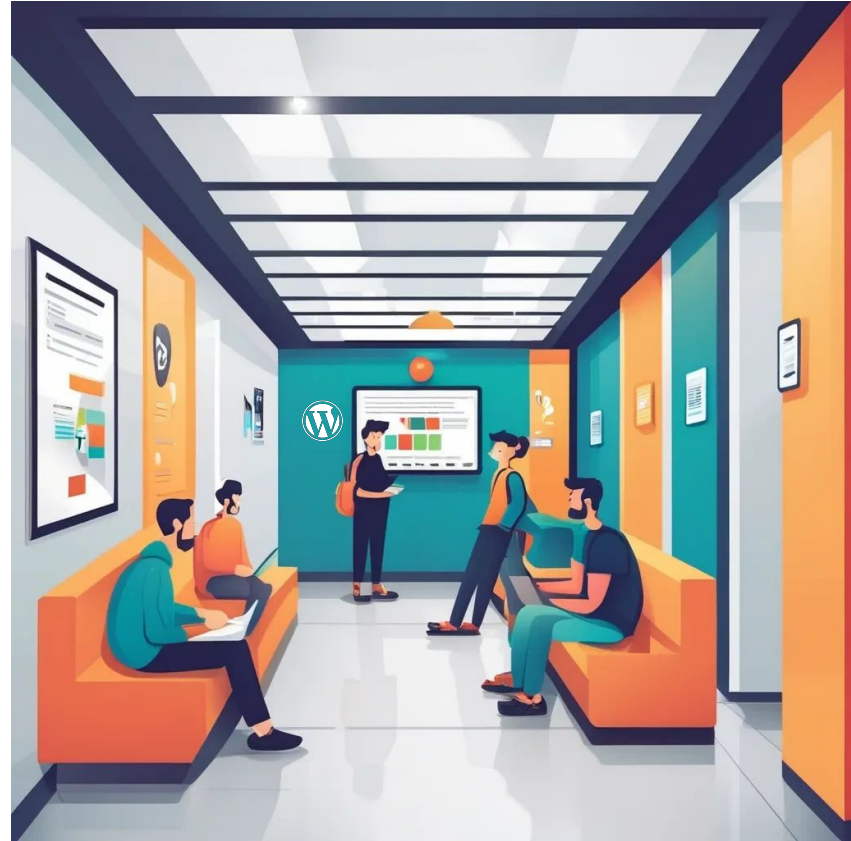
In 2020, experiment outreach project started to better connect those building with WordPress and upcoming features.

The program now encompasses various hallway hangouts, calls for testing, and an outreach channel in slack.





# Hallway Hangouts




Come together as WordPress users early in development to talk about new features to flush out concerns sooner, get more folks involved, and find ways to work better together in a video call open to anyone.




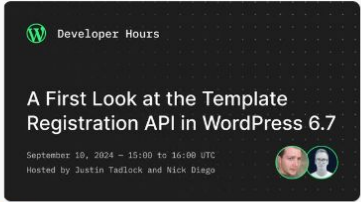



# #outreach

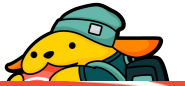
A slack channel where non-contributors and contributors gather to discuss and test coming features. Beyond GitHub bug reports and PRs - a channel for site builders and extenders.

# outreach ▾ A place non-contributors and contributors gather to discuss and test co...  

 **Ryan Welcher** 10:25 AM  
Live! Creating a custom admin screen using DataViews  
<https://www.twitch.tv/ryanwelchercodes>  
 **Twitch**  
[RyanWelcherCodes - Twitch](#)  
🔥🔥 Creating a custom admin screen using DataViews 🔥🔥  


 **Nick Diego** 12:30 PM  
📌 **Developer Hours: A First Look at the Template Registration API in WordPress 6.7**  
This is just a reminder that the next Developer Hours session will be held next Tuesday, **September 10th**, at 15:00 UTC!  
Looking forward to this one. Being able to register block templates from plugins with a dedicated API unlocks so many possibilities for WordPress extenders, and [@greenshady](#) will be sharing his explorations.  
You can RSVP on Meetup  <https://www.meetup.com/learn-wordpress-online-workshops/events/303059268>  
 **Meetup**  
[Developer Hours: A First Look at the Template Registration API in WordPress 6.7, Tue, Sep 10, 2024, 8:00 AM | Meetup](#)  
WordPress 6.7 will include a new template registration API, letting you register custom block templates in your plugins. This long-needed feature lets you create default fr (26 kB) ▾  
  


# 4. Automated Testing



# Automated Testing

Automated Tests check that each component runs as it should.

Unit tests validate the expected behavior of isolated source code.

E2E (end to end) tests simulate a real user scenario and validate user flows.



# JS Unit tests - QUnit

QUnit for Javascript testing

- Clone wordpress-develop

```
npm install
```

```
composer install
```

```
npm run build
```

- Open <//tests/qunit/index.html>



# WordPress QUnit Test Suite

Hide passed tests  Check for Globals  No try-catch Filter:  Go Module: All modules

**QUnit 2.21.0; Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_15\_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36**

213 tests completed in 2750 milliseconds, with 0 failed, 0 skipped, and 0 todo.  
514 assertions of 514 passed, 0 failed.

|  |       |
|--|-------|
| 1. <b>wp-api-request: does not mutate original object (5)</b> <a href="#">Rerun</a>                                | 1 ms  |
| 2. <b>wp-api-request: does not add nonce header if already present (6)</b> <a href="#">Rerun</a>                   | 0 ms  |
| 3. <b>wp-api-request: does not add nonce header if ?_wpnonce=... present (2)</b> <a href="#">Rerun</a>             | 0 ms  |
| 4. <b>wp-api-request: does not add accept header if already present (1)</b> <a href="#">Rerun</a>                  | 0 ms  |
| 5. <b>wp-api-request: accepts namespace and endpoint (1)</b> <a href="#">Rerun</a>                                 | 0 ms  |
| 6. <b>wp-api-request: accepts namespace and endpoint with slashes (1)</b> <a href="#">Rerun</a>                    | 0 ms  |
| 7. <b>wp-api-request: accepts namespace and empty endpoint (1)</b> <a href="#">Rerun</a>                           | 0 ms  |
| 8. <b>wp-api-request: accepts empty namespace and empty endpoint (1)</b> <a href="#">Rerun</a>                     | 0 ms  |
| 9. <b>wp-api-request: accepts namespace and endpoint with slashes (plain permalinks) (1)</b> <a href="#">Rerun</a> | 0 ms  |
| 10. <b>wp-</b>   | 0 ms  |
| 11. <b>wp-</b>   | 18 ms |
| 12. <b>Me</b>  | 0 ms  |
| 13. <b>Me</b>  | 0 ms  |
| 14. <b>Me</b>  | 0 ms  |
| 15. <b>Ima</b>   | 3 ms  |
| 16. <b>Ima</b>   | 3 ms  |
| 17. <b>Ima</b>   | 0 ms  |
| 18. <b>Gallery media widget: gallery widget control (2)</b> <a href="#">Rerun</a>                                  | 0 ms  |
| 19. <b>Gallery Media Widget: gallery media model (9)</b> <a href="#">Rerun</a>                                     | 0 ms  |

213 tests completed in 2750 milliseconds,  
with 0 failed, 0 skipped, and 0 todo.  
514 assertions of 514 passed, 0 failed.

```
QUnit.test( 'mismatched passwords should return 5', function( assert ) {
    assert.equal( passwordStrength( 'password1', 'username', 'password2' ), 5, 'mismatched passwords return 5' );
});

QUnit.test( 'passwords shorter than 4 characters should return 0', function( assert ) {
    assert.equal( passwordStrength( 'abc', 'username', 'abc' ), 0, 'short passwords return 0' );
});

QUnit.test( 'long complicated passwords should return 4', function( assert ) {
    var password = function( length ) {
        var i, n, retVal = '',
            possibility = 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789';
        for ( i = 0, n = possibility.length; i < length; i++ ) {
            retVal += possibility.charAt( Math.floor( Math.random() * n ) );
        }
        return retVal + 'aB2'; // Add a lower case, uppercase and number just to make sure we always have one of each.
    },
    twofifty = password( 250 );

    assert.equal( passwordStrength( twofifty, 'username', twofifty ), 4, '250 character complicated password returns 4' );
});
```



# PHP Unit Tests - PHPUnit

PHPUnit for PHP testing:

```
npm install
```

```
npm run build:dev
```

```
npm run env:start
```

```
npm run env:install
```

```
npm run test:php
```

The logo for PHPUnit, featuring the text "PHPUnit" in a blue, sans-serif font. The letter "i" is stylized with a green dot and a green vertical bar extending downwards from its stem.

```

8319 / 24299 ( 34%)
8378 / 24299 ( 34%)
8437 / 24299 ( 34%)
8496 / 24299 ( 34%)
8555 / 24299 ( 35%)
8614 / 24299 ( 35%)
8673 / 24299 ( 35%)
8732 / 24299 ( 35%)
8791 / 24299 ( 36%)
8850 / 24299 ( 36%)
8909 / 24299 ( 36%)
8968 / 24299 ( 36%)
9027 / 24299 ( 37%)
9086 / 24299 ( 37%)
9145 / 24299 ( 37%)
9204 / 24299 ( 37%)
9263 / 24299 ( 38%)
9322 / 24299 ( 38%)
9381 / 24299 ( 38%)
9440 / 24299 ( 38%)
9499 / 24299 ( 39%)
9558 / 24299 ( 39%)
9617 / 24299 ( 39%)
9676 / 24299 ( 39%)
9735 / 24299 ( 40%)
9794 / 24299 ( 40%)
9853 / 24299 ( 40%)
9912 / 24299 ( 40%)
9971 / 24299 ( 41%)
10030 / 24299 ( 41%)
10089 / 24299 ( 41%)
10148 / 24299 ( 41%)
10207 / 24299 ( 42%)
10266 / 24299 ( 42%)
10325 / 24299 ( 42%)
10384 / 24299 ( 42%)
10443 / 24299 ( 42%)
10502 / 24299 ( 43%)
10561 / 24299 ( 43%)
10620 / 24299 ( 43%)
10679 / 24299 ( 43%)
10738 / 24299 ( 44%)
10797 / 24299 ( 44%)
10856 / 24299 ( 44%)
10915 / 24299 ( 44%)
10974 / 24299 ( 45%)
11033 / 24299 ( 45%)

```

```

21535 / 24299 ( 88%)
21594 / 24299 ( 88%)
21653 / 24299 ( 89%)
21712 / 24299 ( 89%)
21771 / 24299 ( 89%)
21830 / 24299 ( 89%)
21889 / 24299 ( 90%)
21948 / 24299 ( 90%)
22007 / 24299 ( 90%)
22066 / 24299 ( 90%)
22125 / 24299 ( 91%)
22184 / 24299 ( 91%)
22243 / 24299 ( 91%)
22302 / 24299 ( 91%)
22361 / 24299 ( 92%)
22420 / 24299 ( 92%)
22479 / 24299 ( 92%)
22538 / 24299 ( 92%)
22597 / 24299 ( 92%)
22656 / 24299 ( 93%)
22715 / 24299 ( 93%)
22774 / 24299 ( 93%)
22833 / 24299 ( 93%)
22892 / 24299 ( 94%)
22951 / 24299 ( 94%)
23010 / 24299 ( 94%)
23069 / 24299 ( 94%)
23128 / 24299 ( 95%)
23187 / 24299 ( 95%)
23246 / 24299 ( 95%)
23305 / 24299 ( 95%)
23364 / 24299 ( 96%)
23423 / 24299 ( 96%)
23482 / 24299 ( 96%)
23541 / 24299 ( 96%)
23600 / 24299 ( 97%)
23659 / 24299 ( 97%)
23718 / 24299 ( 97%)
23777 / 24299 ( 97%)
23836 / 24299 ( 98%)
23895 / 24299 ( 98%)
23954 / 24299 ( 98%)
24013 / 24299 ( 98%)
24072 / 24299 ( 99%)
24131 / 24299 ( 99%)
24190 / 24299 ( 99%)
24249 / 24299 ( 99%)
24299 / 24299 (100%)

```

Time: 04:06.270, Memory: 385.00 MB

There were 92 warnings:

```
/**
 * Tests that an empty string is returned when the user does not have the correct capabilities.
 *
 * @ticket 61400
 */
public function test_should_return_empty_string_without_proper_capabilities() {
    wp_set_current_user( self::$user_id );

    $actual = wp_get_plugin_action_button(
        self::$test_plugin->name,
        self::$test_plugin,
        true,
        true
    );

    $this->assertIsString( $actual, 'A string should be returned.' );
    $this->assertEmpty( $actual, 'An empty string should be returned.' );
}
```

# End to End (e2e) Tests - Playwright

With e2e (end to end) tests we simulate a real user scenario and validate user flows. In concrete, running an e2e test involves setting up a production-like environment, opening a browser and interacting with the application as it was a real user manipulating the interface. WordPress e2e tests are written with Playwright.

- Clone wordpress-develop
- Setup and run the wordpress environment

```
npm install
```

```
npm run env:start
```

```
npm run test:e2e
```



```
⊗ → wordpress-develop git:(6.6.1) npm run test:e2e
```

```
> WordPress@6.6.1 test:e2e
```

```
> wp-scripts test-playwright --config tests/e2e/playwright.config.js
```

```
Running 24 tests using 1 worker
```

- ✓ 1 ... private directive present in cache control when user not logged in. (5.4s)
- ✓ 2 ...> Private directive header present in cache control when logged in. (381ms)
- ✓ 3 ...> Quick Draft > Allows draft to be created with Title and Content (741ms)
- ✓ 4 ...> Quick Draft > Allows draft to be created without Title or Content (691ms)
- ✓ 5 ...> displays a message in the posts table when no posts are present (311ms)
- ✓ 6 ...> shows a single post after one is published with the correct title (2.0s)
- ✓ 7 ...t Posts > allows an existing post to be edited using the Edit button (2.6s)
- ✓ 8 ...lows an existing post to be quick edited using the Quick Edit button (2.2s)
- ✓ 9 ...Posts > allows an existing post to be deleted using the Trash button (2.2s)
- ✓ 10 ...rash-restore-trashed-posts.test.js:13:6 > Empty Trash > Empty Trash (2.4s)
- ✓ 11 ...store-trashed-posts.test.js:33:6 > Empty Trash > Restore trash post (2.4s)
- ✓ 12 ...js:33:6 > Fatal error handler > should display fatal error notice (111ms)
- ✓ 13 ...General > Does not allow saving an invalid timezone string with "" (617ms)
- ✓ 14 ...eneral > Does not allow saving an invalid timezone string with "0" (679ms)
- ✓ 15 ...Does not allow saving an invalid timezone string with "Barry/Gary" (845ms)
- ✓ 16 ... gutenber-plugin.test.js:25:6 > Gutenberg plugin > should activate (1.5s)
- ✗ 17 [chromium] > hello.test.js:7:6 > Hello World > Should load properly (5.3s)
- ✗ 18 ...s > should install WordPress with pre-existing database credentials (5.8s)
- ✓ 19 ...js:45:6 > Localize Script on wp-login.php > should localize script (238ms)
- ✓ 20 ...js:27:6 > Maintenance mode > should display maintenance mode page (109ms)

```
Failed to load resource: the server responded with a status of 503 (Service Unavailable)
```

- ✓ 21 ...ons passwords > should correctly create a new application password (446ms)
- ✓ 22 ... not allow to create two applications passwords with the same name (656ms)

```
Failed to load resource: the server responded with a status of 409 (Conflict)
```

- ✓ 23 ... passwords > should correctly revoke a single application password (540ms)
- ✓ 24 ... passwords > should correctly revoke all the application passwords (530ms)

```
test.describe( 'Edit Posts', () => {
  test.beforeEach( async ( { requestUtils } ) => {
    await requestUtils.deleteAllPosts();
  } );

  test( 'displays a message in the posts table when no posts are present', async ( {
    admin,
    page,
  } ) => {
    await admin.visitAdminPage( '/edit.php' );
    await expect(
      page.getByRole( 'cell', { name: 'No posts found.' } )
    ).toBeVisible();
  } );

  test( 'shows a single post after one is published with the correct title', async ( {
    admin,
    editor,
    page,
  } ) => {
    const title = 'Test Title';
```

# End to End (e2e) Tests - Playwright

- Or watch the tests run

```
npm run test:e2e -- --ui
```



- PLAYWRIGHT
- Filter (e.g. text, @tag)  
Status: all Projects: chromium
- 0/1 passed (0%)
- ✓ cache-control-headers-directives.test.js
    - ✓ Cache Control header directives
      - ✓ No private directive present i... 4.1s
      - ✓ Private directive header pr... 518ms
  - ✓ dashboard.test.js
    - ✓ Quick Draft
      - ✓ Allows draft to be created ... 728ms
      - ✓ Allows draft to be created ... 760ms
  - ✓ edit-posts.test.js
    - ✓ Edit Posts
      - ✓ displays a message in the ... 409ms
      - ✓ shows a single post after one... 2.4s
      - ✓ allows an existing post to b... 2.4s
      - ✓ allows an existing post to be ... 3.0s
  - ✓ empty-trash-restore-trashed-posts.test.js
    - ✓ Empty Trash
  - ✓ fatal-error-handler.test.js
    - ✓ Fatal error handler
  - ✓ general-settings-invalid-timezone.test.js
    - ✓ Settings -> General
  - ✓ gutenberg-plugin.test.js
    - ✓ Gutenberg plugin
      - ✓ should activate 149ms
  - ✓ hello.test.js
  - ✓ Hello World



| Actions                        | Metadata |
|--------------------------------|----------|
| ✓ Passed                       | 3.3s     |
| > Before Hooks                 | 113ms    |
| page.goto wp-admin/po...       | 710ms    |
| page.content                   | 87ms     |
| page.waitForFunction           | 235ms    |
| page.evaluate                  | 42ms     |
| locator.isVisible getByRol...  | 14ms     |
| locator.click getByRole('r...  | 95ms     |
| locator.isVisible getByRole... | 8ms      |
| page.click locator('role=r...  | 50ms     |
| locator.waitFor getByRole...   | 87ms     |
| page.goto wp-admin/edi...      | 167ms    |
| page.content                   | 4ms      |
| expect.toBeVisible getBy...    | 14ms     |
| locator.click getByRole('...   | 126ms    |
| locator.waitFor frameLo...     | 631ms    |
| expect.toBeVisible frameL...   | 9ms      |

Action Before After

Locator Source Call Log Errors Console 5 Network 412 Attachments

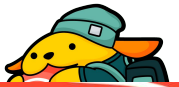
```

edit-posts.test.js
66
67 // Expect title field to be in the editor with correct title shown.
68 await expect( editorPostTitle ).toBeVisible();
69 await expect( editorPostTitle ).toHaveText( title );
70 } );
71
72 test( 'allows an existing post to be quick edited using the Quick Edit button', async ( {
73   admin,
74   editor,
75   page,

```



# 5. Accessibility Testing



# Testing for Web Accessibility

One in four people in the United States has a disability.

Technology built with accessibility in mind makes things easier.

WordPress tests against the WCAG 2.1 AA guidelines.



# A11y

Four principles:

1. **Perceivable**  
Is all content available to everyone?
2. **Operable**  
Can visitors use all functionality?
3. **Understandable**  
Can visitors comprehend all content?
4. **Robust**  
Can visitors use any device?

- Keyboard Navigation
- Color Contrast
- Screen Reader Compatibility
- Image alt text
- ...



# A11y: Get Involved

## WordPress Accessibility Day 2024

October 9th-10th - Free Livestream

[Accessibility Handbook](#) | [Gutenberg](#)

#accessibility #accessibility-testing

Trac tickets with [accessibility focus](#)

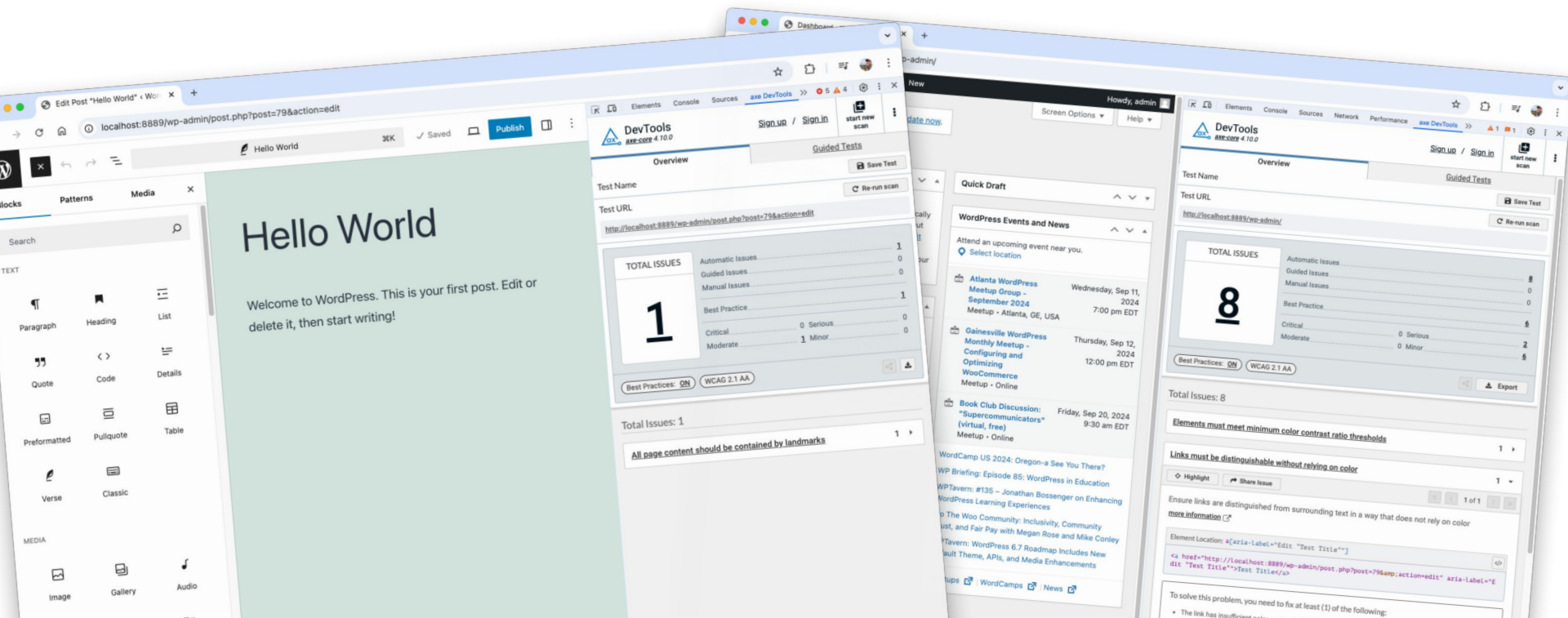
Github tickets with [Needs Accessibility Feedback](#) or [\[Focus\] Accessibility \(a11y\)](#) labels.



# WordPress Accessibility Day 2024

# A11y: Resources

[aXe browser addon](#) for Chrome and FireFox



# Opportunities to Test WordPress

1. Testing Releases
2. Testing Issues
3. Usability Testing
4. Automated Tests
5. Accessibility Testing



# WordPress Wants You to Contribute via Testing



# Thank You!

Questions?

Talk Notes: <https://evanmullins.com/test/>

