

# WEB DEVELOPER CHEMNITZ

Regelmäßiges monatliches Treffen Chemnitzer Web-Entwickler.  
Erfahrungen zu aktuellen Technologien in interessanten Vorträgen.

# AGENDA

- 19.00 Uhr • **Martin Kutter** Intro
- 19.05 Uhr • **Lars Wiedemann** Frontend News
- 19.15 Uhr • **Daniel Schröder** PHP News
- 19.30 Uhr • **Bettina Helgenlechner**  
Performanceoptimierung in React und Redux
- 20.30 Uhr • **TU Chemnitz** Projektvorstellung
- 21.30 Uhr • **Community** Networking

# Frontend NEWS

# Dialog Element

Html 5.2

```
<dialog open>
  Native dialog box!
</dialog>
```

```
const modal = document.querySelector('dialog');

// makes modal appear (adds `open` attribute)
modal.showModal();

// hides modal (removes `open` attribute)
modal.close();
```

# Bootstrap 4

- better grid system (use flexbox as default)
- use Sass (instead of Less)
- no support for ie8, ie9 , ios6
- use rm instead of px
- [migration guide for bootstrap 3](#)



# new Google search Term

- Pagespeed tool will become a ranking factor for mobile searches

## Google Webmaster Central Blog

Official news on crawling and indexing sites for the Google index

### Using page speed in mobile search ranking

Wednesday, January 17, 2018

PageSpeed Insights [34]

http://www.google.com/ ANALYZE

Mobile Desktop

99 / 100 Speed

Consider Fixing:  
Minify JavaScript  
Show how to fix

Passed Rules  
Show details

Download optimized image, JavaScript, and CSS resources for this page.

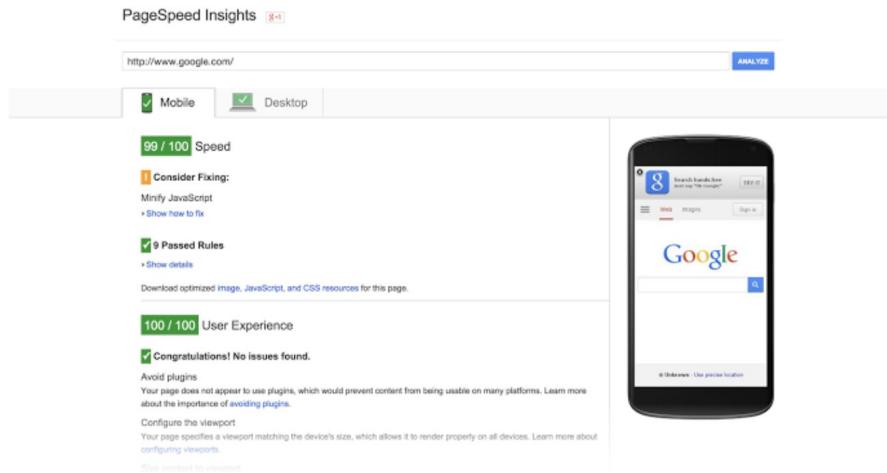
100 / 100 User Experience

Congratulations! No issues found.

Avoid plugins  
Your page does not appear to use plugins, which would prevent content from being usable on many platforms. Learn more about the importance of avoiding plugins.

Configure the viewport  
Your page specifies a viewport matching the device's size, which allows it to render properly on all devices. Learn more about configuring viewports.

Show content to visitor



# Firefox Security

- all new Features will require https  
(includes all new css and javascript features)
- WebAuth API shipped in Firefox 60  
(produce a user cryptographic keys)



## Chrome native ad-blocking

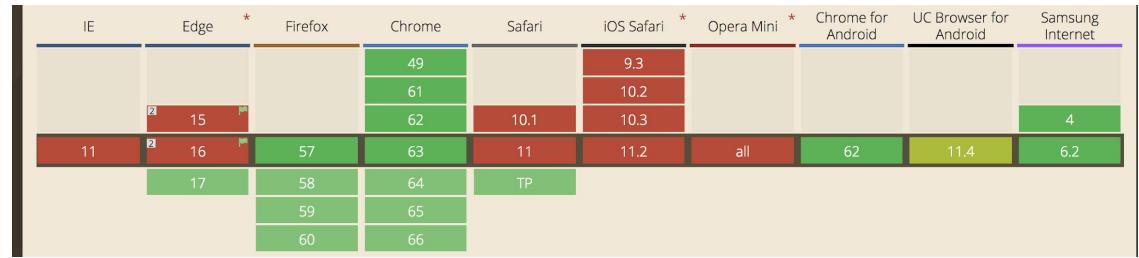
- starts on February 15, 2018
- will block intrusive, overlay annoying ads



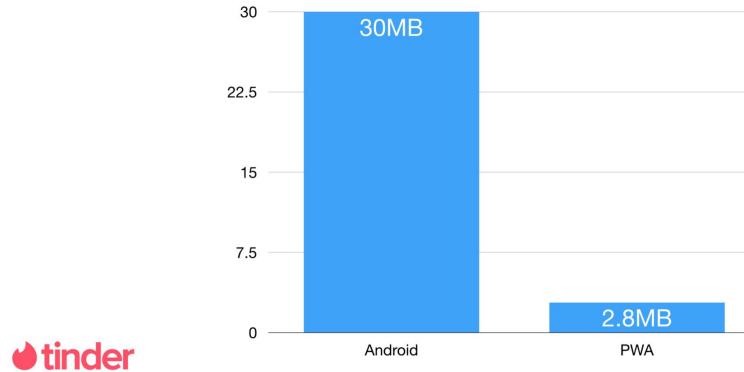
# state of service worker

- edge (17) enabled by default
- safari technology preview 46

<https://blogs.windows.com/msedgedev/2017/12/19/service-workers-going-beyond-page/>  
<https://9to5mac.com/2017/12/20/safari-preview-46-service-workers/>  
<https://medium.com/@addyosmani/a-tinder-progressive-web-app-performance-case-study-78919d98ece0>



Size: Comparing the PWA to the native apps



# WebKit

## Speedometer 2.0

- all benchmark for webapps

The screenshot shows the Speedometer 2.0 benchmark interface. On the left, the word "speedometer" is written vertically in red, with a small clock icon next to the letter "o". To the right is a large white rectangular area containing text and a button. The text reads: "Speedometer is a browser benchmark that measures the responsiveness of Web applications. It uses demo web applications to simulate user actions such as adding to-do items." Below this is a white-outlined button with the text "Start Test". At the bottom right of the white area, there is a link labeled "About Speedometer".

Speedometer is a browser benchmark that measures the responsiveness of Web applications. It uses demo web applications to simulate user actions such as adding to-do items.

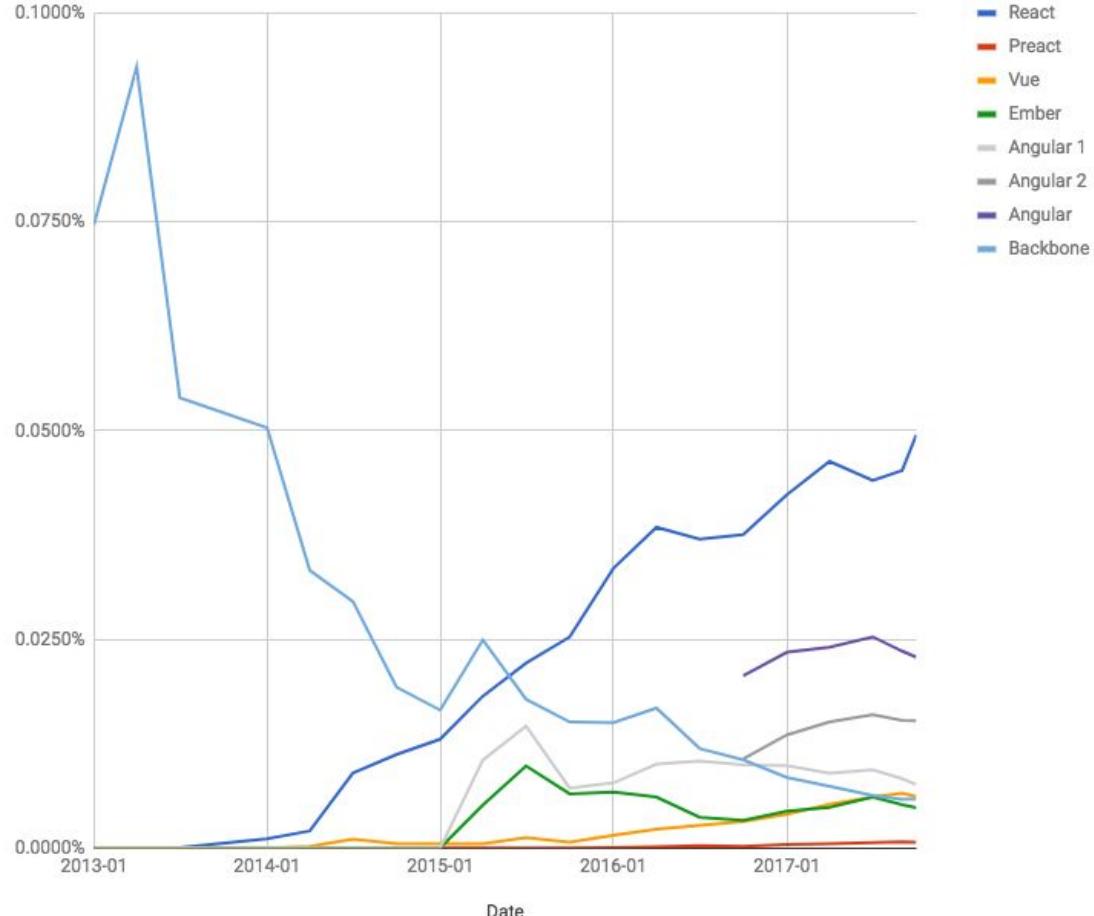
[Start Test](#)

[About Speedometer](#)

# state of js Frameworks by npm (2017-01)

1. React
2. Angular
3. Angularjs
4. vue

Major FE frameworks, share of registry



## Gitlab 10.4

- Dynamic Application security testing (DAST)
- Static Application Security testing (SAST)
- own Web-IDE



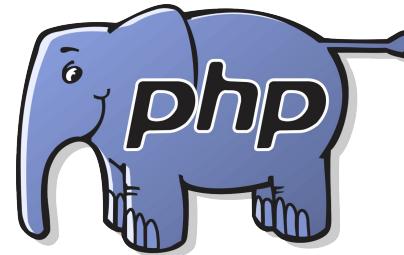
GitLab

# PHP NEWS

## Version 7.2.0 / 7.2.1

# PHP 7.2

- Final release 7.2.0 out on November, 30th
- Bugfix release 7.2.1 out on January, 4th with various bug fixes



php

Downloads

Documentation

Get Involved

Help

### PHP 7.2.0 Released »

30 Nov 2017

The PHP development team announces the immediate availability of PHP 7.2.0. This release marks the second feature update to the PHP 7 series.

PHP 7.2.0 comes with numerous improvements and new features such as

- [Convert numeric keys in object/array casts](#)
- [Counting of non-countable objects](#)
- [Object typehint](#)
- [HashContext as Object](#)
- [Argon2 in password hash](#)
- [Improve TLS constants to sane values](#)
- [Mcrypt extension removed](#)
- [New sodium extension](#)

For source downloads of PHP 7.2.0 please visit our [downloads](#) page Windows binaries can be found on the [PHP for Windows](#) site. The list of changes is recorded in the [ChangeLog](#).

The [migration guide](#) is available in the PHP Manual. Please consult it for the detailed list of new features and backward incompatible changes.

Many thanks to all the contributors and supporters!

## Version 1.6.0 / 1.6.1 / 1.6.2

# Composer 1.6

- New command to check platform requirements
- New update/require option to update all listed packages
- Environment settings to
  - Bypass proxy server
  - Configure defaults for new projects
  - Set memory limit
- Already two bugfix releases in January

## 1.6.0

 Seldaek released this 19 days ago · 43 commits to master since this release

### Assets

 [composer.phar](#)

1.77 MB

 [Source code \(zip\)](#)

 [Source code \(tar.gz\)](#)

- Improved performance of installs and updates from git clones when checking out known commits
- Added `check-platform-reqs` command that checks that your PHP and extensions versions match the platform requirements of the installed packages
- Added support for SPDX license identifiers v3.0, deprecates GPL/LGPL/AGPL identifiers, which should now have a `-only` or `-or-later` suffix added.
- Added `--with-all-dependencies` to the `update` and `require` commands which updates all dependencies of the listed packages, including those that are direct root requirements
- Added `scripts-descriptions` key to `composer.json` to customize the description and document your custom commands
- Added support for the uppercase `NO_PROXY` env var
- Added support for `COMPOSER_DEFAULT_{AUTHOR,LICENSE,EMAIL,VENDOR}` env vars to pre-populate `init` command values
- Added support for `COMPOSER_MEMORY_LIMIT` env var to make Composer set the PHP memory limit explicitly
- Added support for simple strings for the `bin`
- Added support for local fossil repositories
- Added suggestions for alternative spellings when entering packages in `init` and `require` commands and nothing can be found
- Fixed `installed.json` data to be sorted alphabetically by package name
- Fixed compatibility with Symfony 4.x components that Composer uses



Version 3.0.x-dev

# First Expressive 3 Preview

- Implements PSR-15
- Requires PHP 7.1
- Replaces abandoned  
http-interop/http-middleware with  
http-interop/http-server-middleware
- Updated zendframework peer  
dependencies
  - zend-expressive-router  
(request handlers)
  - stratigility (middleware)



## Expressive 3 Preview

2017-12-14 | By: [Matthew Weier O'Phinney](#)

Last week, the PSR-15 working group [voted to start its review phase](#). PSR-15 seeks to standardize server-side request handlers and middleware, and both Stratigility and Expressive have been implementing draft specifications since their version 2 releases. Entering the review phase is an important moment: it means that the working group feels the specification is stable and ready for adoption. If, after the review period is over, no major changes are required, the specification can be presented to the PHP-FIG core committed for a final acceptance vote, at which point it will be frozen and ready for mass adoption.

Our plan is to have Stratigility and Expressive follow the new specification in its final form. To that end, we have been executing on a plan to prepare all our projects that work with PSR-15 to adopt the latest round of changes.

That work is ready today!

PSR-15

# HTTP Server Request Handlers Approved

- Successor of PSR-7 for server-side handlers
- Specifies consistent interfaces for
  - Request handlers
  - Middleware
- Returning response objects instead of manipulating them



**Moving PHP forward through  
collaboration and standards.**

Welcome to the PHP Framework Interop Group! We're a group of established PHP projects whose goal is to talk about commonalities between our projects and find ways we can work better together.



HHVM 3.24

## End Of Support For PHP5

- Official recommendation: migrate to Hack or PHP7
- LTS release: official support until mid of December, 2018
  - End of support for HHVM 3.18



# IMMER LETZTER DONNERSTAG IM MONAT

Donnerstag 22. Februar, Lokomov - Melde dich bei Meetup.com an.  
Teile deine Erfahrungen! Wer ist als nächstes dran?



<https://goo.gl/90dR7I>

weitere Termin Do 22. Februar, Do 29. März, Do 26. April



<https://github.com/ChemnitzerWebDevs/slides>