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A curated list of amazingly awesome PHP libraries, resources and shiny things.

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a year ago

 .varci.yml	Enable Var.CI	2 years ago
 CODE-OF-CONDUCT.md	Add email address. Closes #623	2 years ago
 COLLABORATING.md	Clarify in guidelines	2 years ago
 CONTRIBUTING.md	Fix typo in CONTRIBUTING	5 months ago
 LICENSE.md	Make license file markdown	4 years ago
 README.md	Update README.md (#904)	2 months ago

README.md

Awesome PHP build passing

A curated list of amazingly awesome PHP libraries, resources and shiny things.

Contributing and Collaborating

Please see [CONTRIBUTING](#), [CODE-OF-CONDUCT](#) and [COLLABORATING](#) for details.

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Composer Repositories

Composer Repositories.

- [Firegento](#) - Magento Module Composer Repository.
- [Packagist](#) - The PHP Package Repository.
- [Private Packagist](#) - Composer package archive as a service for PHP.
- [WordPress Packagist](#) - Manage your plugins with Composer.
- [Zend Framework Packages](#) - Zend Framework Composer Repository.

Dependency Management

Libraries for dependency and package management.

- [Composer Installers](#) - A multi framework Composer library installer.
- [Composer](#) - A package and dependency manager.
- [Melody](#) - A tool to build one file Composer scripts.
- [Pickle](#) - A PHP extension installer.

Dependency Management Extras

Extras related to dependency management.

- [Composed](#) - A library to parse your project's Composer environment at runtime.
- [Composer Merge Plugin](#) - A composer plugin to merge several composer.json files.
- [Prestissimo](#) - A composer plugin which enables parallel install process.

- [Satis](#) - A static Composer repository generator.
- [tooly](#) - A library to manage PHAR files in project using Composer.
- [Toran Proxy](#) - A static Composer repository and proxy.

Frameworks

Web development frameworks.

- [Aura Framework](#) - A framework built from independent components.
- [CakePHP](#) - A rapid application development framework (CP).
- [Laravel 5](#) - Another PHP framework (L5).
- [Nette](#) - Another framework comprised of individual components.
- [Phalcon](#) - A framework implemented as a C extension.
- [PPI Framework 2](#) - An interoperability framework.
- [Symfony](#) - A framework comprised of individual components (SF).
- [Yii2](#) - Another PHP framework.
- [Zend Framework 2](#) - Another framework comprised of individual components (ZF2).
- [Ice](#) - Another simple and fast PHP framework delivered as C-extension.

Framework Extras

Extras related to web development frameworks.

- [CakePHP CRUD](#) - A Rapid Application Development (RAD) plugin for CakePHP.
- [Knp RAD Components](#) - A set of Rapid Application Development (RAD) components for Symfony.
- [Symfony CMF](#) - A Content Management Framework to create custom CMS.

Components

Standalone components from web development frameworks and development groups.

- [Aura](#) - Independent components, fully decoupled from each other and from any framework.
- [CakePHP Plugins](#) - A directory of CakePHP plugins.
- [Hoa Project](#) - Another package of PHP components.
- [League of Extraordinary Packages](#) - A PHP package development group.
- [Symfony Components](#) - The components that make Symfony.
- [Zend Framework 2 Components](#) - The components that make Zend Framework.

Micro Frameworks

Micro frameworks and routers.

- [Bullet PHP](#) - A micro framework for building REST APIs.
- [Lumen](#) - A micro-framework by Laravel.
- [Radar](#) - An Action-Domain-Responder implementation for PHP.
- [Slim](#) - Another simple micro framework.

Micro Framework Extras

Extras related to micro frameworks and routers.

- [Silex Skeleton](#) - A project skeleton for Silex.
- [Silex Web Profiler](#) - A web debug toolbar for Silex.
- [Slim Skeleton](#) - A skeleton for Slim.
- [Slim Twig View](#) - Integrate Twig into Slim.

- [Slim PHP View](#) - A simple PHP renderer for Slim.

Routers

Libraries for handling application routing.

- [Aura.Router](#) - A full-featured routing library.
- [Fast Route](#) - A fast routing library.
- [Klein](#) - A flexible router.
- [Pux](#) - Another fast routing library.
- [Route](#) - A routing library built on top of Fast Route.

Templating

Libraries and tools for templating and lexing.

- [Aura.View](#) - Provides TemplateView and TwoStepView using PHP as the tempting language, with support for partials, sections, and helpers.
- [Foil](#) - Another native PHP templating library.
- [MtHaml](#) - A PHP implementation of the HAML template language.
- [Mustache](#) - A PHP implementation of the Mustache template language.
- [PHPTAL](#) - A PHP implementation of the [TAL](#) templating language.
- [Plates](#) - A native PHP templating library.
- [Smarty](#) - A template engine to complement PHP.
- [Twig](#) - A comprehensive templating language.
- [Tale Jade](#) - A PHP implementation of the Jade template language.

Static Site Generators

Tools for pre-processing content to generate web pages.

- [Couscous](#) - Couscous turns Markdown documentation into beautiful websites. It's GitHub Pages on steroids.
- [Sculpin](#) - A tool that converts Markdown and Twig into static HTML.
- [Spress](#) - An extensible tool that converts Markdown and Twig into HTML.

HTTP

Libraries for working with HTTP.

- [Buzz](#) - Another HTTP client.
- [Guzzle](#) - A comprehensive HTTP client.
- [HTTPFul](#) - A chainable HTTP client.
- [HTTPPlug](#) - An HTTP client abstraction without binding to a specific implementation.
- [PHP VCR](#) - A library for recording and replaying HTTP requests.
- [Requests](#) - A simple HTTP library.
- [Retrofit](#) - A library to ease creation of REST API clients.
- [zend-diactoros](#) - PSR-7 HTTP Message implementation.

Scraping

Libraries for scraping websites.

- [Embed](#) - An information extractor from any web service or page.
- [Goutte](#) - A simple web scraper.
- [PHP Spider](#) - A configurable and extensible PHP web spider.

Middlewares

Libraries for building application using middlewares.

- [Expressive](#) - PSR-7 Middleware framework from Zend.
- [PSR7-Middlewares](#) - Inspiring collection of handy middlewares.
- [Relay](#) - A PHP 5.5 PSR-7 middleware dispatcher.
- [Stack](#) - A library of stackable middleware for Silex/Symfony.
- [zend-stratigility](#) - Middleware for PHP built on top of PSR-7.

URL

Libraries for parsing URLs.

- [PHP Domain Parser](#) - A domain suffix parser library.
- [Purl](#) - A URL manipulation library.
- [sabre/uri](#) - A functional URI manipulation library.
- [Uri](#) - Another URL manipulation library.

Email

Libraries for sending and parsing email.

- [CssToInlineStyles](#) - A library to inline CSS in email templates.
- [Email Reply Parser](#) - An email reply parser library.
- [Email Validator](#) - A small email address validation library.
- [Fetch](#) - An IMAP library.
- [Mautic](#) - Email marketing automation

- [PHPMailer](#) - Another mailer solution.
- [Stampie](#) - A library for email services such as [SendGrid](#), [PostMark](#), [MailGun](#) and [Mandrill](#).
- [SwiftMailer](#) - A mailer solution.

Files

Libraries for file manipulation and MIME type detection.

- [CSV](#) - A CSV data manipulation library.
- [Flysystem](#) - Another filesystem abstraction layer.
- [Gaufrette](#) - A filesystem abstraction layer.
- [Hoa Mime](#) - Another MIME detection library.
- [PHP FFmpeg](#) - A wrapper for the [FFmpeg](#) video library.
- [UnifiedArchive](#) - A unified reader and writer of compressed archives.

Streams

Libraries for working with streams.

- [Streamer](#) - A simple object-orientated stream wrapper library.

Dependency Injection

Libraries that implement the dependency injection design pattern.

- [Aura.Di](#) - A serializable dependency injection container with constructor and setter injection, interface and trait awareness, configuration inheritance, and much more.
- [Acclimate](#) - A common interface to dependency injection containers and service locators.

- [Auryn](#) - A recursive dependency injector.
- [Container](#) - Another flexible dependency injection container.
- [Disco](#) - A PSR-11 compatible, annotation-based dependency injection container.
- [PHP-DI](#) - A dependency injection container that supports autowiring.
- [Pimple](#) - A tiny dependency injection container.
- [Symfony DI](#) - A dependency injection container component (SF).

Imagery

Libraries for manipulating images.

- [Color Extractor](#) - A library for extracting colours from images.
- [Glide](#) - An on-demand image manipulation library.
- [Image Hash](#) - A library for generating perceptual image hashes.
- [Image Optimizer](#) - A library for optimizing images.
- [Imagine](#) - An image manipulation library.
- [Intervention Image](#) - Another image manipulation library.
- [PHP Image Workshop](#) - Another image manipulation library.

Testing

Libraries for testing codebases and generating test data.

- [Alice](#) - An expressive fixture generation library.
- [AspectMock](#) - A mocking framework for PHPUnit/Codeception.
- [Atoum](#) - A simple testing library.
- [Behat](#) - A behaviour driven development (BDD) testing framework.

- [Codeception](#) - A full stack testing framework.
- [DBUnit](#) - A database testing library for PHPUnit.
- [Faker](#) - A fake data generator library.
- [HTTP Mock](#) - A library for mocking HTTP requests in unit tests.
- [Kahlan](#) - Full stack Unit/BDD testing framework with built-in stub, mock and code-coverage support.
- [Mink](#) - Web acceptance testing.
- [Mockery](#) - A mock object library for testing.
- [ParaTest](#) - A parallel testing library for PHPUnit.
- [Peridot](#) - An event driven test framework.
- [Phake](#) - Another mock object library for testing.
- [Pho](#) - Another behaviour driven development testing framework.
- [PHP-Mock](#) - A mock library for built-in PHP functions (e.g. time()).
- [PHPSpec](#) - A design by specification unit testing library.
- [PHPT](#) - A test tool used by PHP itself.
- [PHPUnit](#) - A unit testing framework.
- [Prophecy](#) - A highly opinionated mocking framework.
- [VFS Stream](#) - A virtual filesystem stream wrapper for testing.

Continuous Integration

Libraries and applications for continuous integration.

- [CircleCI](#) - A continuous integration platform.
- [GitlabCI](#) - Let GitLab CI test, build, deploy your code. TravisCi like.
- [Jenkins](#) - A continuous integration platform with [PHP support](#).

- [JoliCi](#) - A continuous integration client written in PHP and powered by Docker.
- [PHPCI](#) - An open source continuous integration platform for PHP.
- [SemaphoreCI](#) - A continuous integration platform for open source and private projects.
- [Shippable](#) - A Docker based continuous integration platform for open source and private projects.
- [Travis CI](#) - A continuous integration platform.
- [Wercker](#) - A continuous integration platform.

Documentation

Libraries for generating project documentation.

- [APIGen](#) - Another API documentation generator.
- [daux.io](#) - A documentation generator which uses Markdown files.
- [PHP Documentor 2](#) - A documentation generator.
- [phpDox](#) - A documentation generator for PHP projects (that is not limited to API documentation).
- [Sami](#) - An API documentation generator.

Security

Libraries for generating secure random numbers, encrypting data and scanning for vulnerabilities.

- [Halite](#) - A simple library for encryption using [libsodium](#).
- [HTML Purifier](#) - A standards compliant HTML filter.
- [IniScan](#) - A tool that scans PHP INI files for security.
- [Optimus](#) - Id obfuscation based on Knuth's multiplicative hashing method.
- [PHP Encryption](#) - Secure PHP Encryption Library.
- [PHP SSH](#) - An experimental object orientated SSH wrapper library.

- [PHPSecLib](#) - A pure PHP secure communications library.
- [random_compat](#) - PHP 5.x support for `random_bytes()` and `random_int()`
- [RandomLib](#) - A library for generating random numbers and strings.
- [SensioLabs Security Check](#) - A web tool to check your Composer dependencies for security advisories.
- [TCrypto](#) - A simple encrypted key-value storage library.
- [VAddy](#) - A continuous security testing platform for web applications.
- [Zed](#) - An integrated penetration testing tool for web applications.

Passwords

Libraries and tools for working with and storing passwords.

- [GenPhrase](#) - A library for generating secure random passphrases.
- [Password Compat](#) - A compatibility library for the new PHP 5.5 password functions.
- [Password Policy](#) - A password policy library for PHP and JavaScript.
- [Password Validator](#) - A library for validating and upgrading password hashes.
- [Password-Generator](#) - PHP library to generate random passwords.
- [PHP Password Lib](#) - A library for generating and validating passwords.
- [phpass](#) - A portable password hashing framework.
- [Zxcvbn PHP](#) - A realistic PHP password strength estimate library based on Zxcvbn JS.

Code Analysis

Libraries and tools for analysing, parsing and manipulating codebases.

- [Better Reflection](#) - AST-based reflection library that allows analysis and manipulation of code
- [Code Climate](#) - An automated code review.

- [PHP Parser](#) - A PHP parser written in PHP.
- [PHP Semantic Versioning Checker](#) - A command line utility that compares two source sets and determines the appropriate semantic versioning to apply.
- [PHPLOC](#) - A tool for quickly measuring the size of a PHP project.
- [PHPQA](#) - A tool for running QA tools (phploc, phpcpd, phpcs, pdepend, phpmd, phpmetrics).
- [Qafoo Quality Analyzer](#) - A tool to visualize metrics and source code.
- [Scrutinizer](#) - A web tool to [scrutinise PHP code](#).
- [UBench](#) - A simple micro benchmark library.

Code Quality

Libraries for managing code quality, formatting and linting.

- [PHP CodeSniffer](#) - A library that detects PHP, CSS and JS coding standard violations.
- [PHP CS Fixer](#) - A coding standards fixer library.
- [PHP Mess Detector](#) - A library that scans code for bugs, sub-optimal code, unused parameters and more.
- [PHPCheckstyle](#) - A tool to help adhere to certain coding conventions.
- [PHPCPD](#) - A library that detects copied and pasted code.

Static Analysis

Libraries for performing static analysis of PHP code.

- [Exakat](#) - A static analysis engine for PHP.
- [Mondrian](#) - A code analysis tool using Graph Theory.
- [phan](#) - A static analyzer based on PHP 7+ and the php-ast extension.
- [PHPCompatibility](#) - A PHP compatibility checker for PHP CodeSniffer.

- [PhpDependencyAnalysis](#) - A tool to create customisable dependency graphs.
- [PHP Metrics](#) - A static metric library.
- [PHP Migration](#) - A static analyzer for PHP version migration.
- [PHPStan](#) - A PHP Static Analysis Tool.
- [Pslam](#) - A static analysis tool for finding errors in PHP applications.

Architectural

Libraries related to design patterns, programming approaches and ways to organize code.

- [Design Patterns PHP](#) - A repository of software patterns implemented in PHP.
- [Finite](#) - A simple PHP finite state machine.
- [Functional PHP](#) - A functional programming library.
- [Iter](#) - A library that provides iteration primitives using generators.
- [Patchwork](#) - A library for redefining userland functions.
- [Pipeline](#) - A pipeline pattern implementation.
- [RulerZ](#) - A powerful rule engine and implementation of the Specification pattern.

Debugging and Profiling

Libraries and tools for debugging and profiling code.

- [APM](#) - Monitoring extension collecting errors and statistics into SQLite/MySQL/StatsD.
- [Barbushin PHP Console](#) - Another web debugging console using Google Chrome.
- [Blackfire.io](#) - A low-overhead code profiler.
- [Kint](#) - A debugging and profiling tool.
- [PHP Console](#) - A web debugging console.

- [PHP Debug Bar](#) - A debugging toolbar.
- [PHPBench](#) - A benchmarking Framework.
- [Tideways.io](#) - Monitoring and profiling tool
- [Tracy](#) - A simple error detection, logging and time measuring library.
- [xDebug](#) - A debug and profile tool for PHP.
- [XHProf](#) - A profiling tool originally developed by Facebook.
- [Z-Ray](#) - A debug and profile tool for Zend Server.

Build Tools

Project build and automation tools.

- [Box](#) - A utility to build PHAR files.
- [Construct](#) - A PHP project/micro-package generator.
- [Phing](#) - A PHP project build system inspired by Apache Ant.

Task Runners

Libraries for automating and running tasks.

- [Bldr](#) - A PHP Task runner built on Symfony components.
- [Jobby](#) - A PHP cron job manager without modifying crontab.
- [Robo](#) - A PHP Task runner with object-orientated configurations.
- [Task](#) - A pure PHP task runner inspired by Grunt and Gulp.

Navigation

Tools for building navigation structures.

- [Knpmenu](#) - A menu library.

Asset Management

Tools for managing, compressing and minifying website assets.

- [JShrink](#) - A JavaScript minifier library.
- [Munee](#) - An asset optimiser library.
- [Puli](#) - A library for determining assets absolute paths.
- [BowerPHP](#) - A PHP implementation of Bower. A package manager for the web

Geolocation

Libraries for geocoding addresses and working with latitudes and longitudes.

- [GeoCoder](#) - A geocoding library.
- [GeoJSON](#) - A GeoJSON implementation.
- [GeoTools](#) - A library of geo-related tools.
- [PHPGeo](#) - A simple geo library.

Date and Time

Libraries for working with dates and times.

- [CalendR](#) - A calendar management library.
- [Carbon](#) - A simple DateTime API extension.
- [Chronos](#) - A DateTime API extension supporting both mutable and immutable date/time.
- [Moment.php](#) - Moment.js inspired PHP DateTime handler with i18n support.

- [Yasumi](#) - An library to help you calculate the dates and names of holidays.

Event

Libraries that are event-driven or implement non-blocking event loops.

- [Amp](#) - An event driven non-blocking I/O library.
- [Broadway](#) - An event source and CQRS library.
- [Cake Event](#) - An event dispatcher library (CP).
- [Elephant.io](#) - Yet another web socket library.
- [Evenement](#) - An event dispatcher library.
- [Event](#) - An event library with a focus on domain events.
- [Hoa EventSource](#) - An event source library.
- [Hoa WebSocket](#) - Another web socket library.
- [Prooph Event Store](#) - An event source component to persist event messages
- [Ratchet](#) - A web socket library.
- [React](#) - An event driven non-blocking I/O library.
- [RxPHP](#) - A reactive extension library.
- [Workerman](#) - An event driven non-blocking I/O library.

Logging

Libraries for generating and working with log files.

- [Monolog](#) - A comprehensive logger.

E-commerce

Libraries and applications for taking payments and building online e-commerce stores.

- [Money](#) - A PHP implementation of Fowler's money pattern.
- [OmniPay](#) - A framework agnostic multi-gateway payment processing library.
- [Payum](#) - A payment abstraction library.
- [Shopware](#) - Highly customizable e-commerce software
- [Swap](#) - An exchange rates library.
- [Sylus](#) - An open source e-commerce solution.

PDF

Libraries and software for working with PDF files.

- [Dompdf](#) - A HTML to PDF converter.
- [PHPPdf](#) - A library for generating PDFs and images from XML.
- [Snappy](#) - A PDF and image generation library.
- [WKHTMLToPDF](#) - A tool to convert HTML to PDF.

Office

Libraries for working with office suite documents.

- [PHP PowerPoint](#) - A library for working with Microsoft PowerPoint Presentations.
- [PHP Word](#) - A library for working with Microsoft Word documents.
- [PHPSpreadsheet](#) - A pure PHP library for reading and writing spreadsheet files (successor of PHPExcel)

Database

Libraries for interacting with databases using object-relational mapping (ORM) or datamapping techniques.

- [Atlas.Orm](#) - A data mapper implementation for your persistence model in PHP.
- [Aura.Sql](#) - Provides an extension to the native PDO along with a profiler and connection locator.
- [Aura.SqlQuery](#) - Independent query builders for MySQL, PostgreSQL, SQLite, and Microsoft SQL Server.
- [Baum](#) - A nested set implementation for Eloquent.
- [Cake ORM](#) - Object-Relational Mapper, implemented using the DataMapper pattern (CP).
- [Doctrine Extensions](#) - A collection of Doctrine behavioural extensions.
- [Doctrine](#) - A comprehensive DBAL and ORM.
- [Eloquent](#) - A simple ORM (L5).
- [LazyRecord](#) - A fast ORM designed for simplicity, extendability and performance.
- [Pomm](#) - An Object Model Manager for PostgreSQL.
- [Propel](#) - A fast ORM, migration library and query builder.
- [ProxyManager](#) - A set of utilities to generate proxy objects for data mappers.
- [RedBean](#) - A lightweight, configuration-less ORM.
- [Spot2](#) - A MySQL datamapper ORM.

Migrations

Libraries to help manage database schemas and migrations.

- [Doctrine Migrations](#) - A migration library for Doctrine.
- [Migrations](#) - A migration management library.
- [Phinx](#) - Another database migration library.
- [PHPMig](#) - Another migration management library.
- [Ruckusing](#) - Database migrations for PHP ala ActiveRecord Migrations with support for MySQL, Postgres, SQLite.

NoSQL

Libraries for working with "NoSQL" backends.

- [PHPMongo](#) - A MongoDB ORM.
- [Predis](#) - A feature complete Redis library.

Queue

Libraries for working with event and task queues.

- [Bernard](#) - A multibackend abstraction library.
- [BunnyPHP](#) - A performant pure-PHP AMQP (RabbitMQ) sync and also async (ReactPHP) library.
- [Pheanstalk](#) - A Beanstalkd client library.
- [PHP AMQP](#) - A pure PHP AMQP library.
- [Tarantool Queue](#) - PHP bindings for Tarantool Queue.
- [Thumper](#) - A RabbitMQ pattern library.

Search

Libraries and software for indexing and performing search queries on data.

- [Elastica](#) - A client library for Elasticsearch.
- [ElasticSearch PHP](#) - The official client library for [ElasticSearch](#).
- [Solarium](#) - A client library for [Solr](#).
- [Sphinx Search](#) - Sphinx Search library provides SphinxQL indexing and searching features
- [SphinxQL query builder](#) - A query library for the [Sphinx](#) search engine.

Command Line

Libraries related to the command line.

- [Aura.Cli](#) - Provides the equivalent of request (Context) and response (Stdio) objects for the command line interface, including Getopt support, and an independent Help object for describing commands.
- [Boris](#) - A tiny PHP REPL.
- [Cilex](#) - A micro framework for building command line tools.
- [CLI Menu](#) - A library for building CLI menus.
- [CLIFramework](#) - A command-line framework supports zsh/bash completion generation, subcommands and option constraints. It also powers phpbrew.
- [CLImate](#) - A library for outputting colours and special formatting.
- [Commando](#) - Another simple command line opt parser.
- [Cron Expression](#) - A library to calculate cron run dates.
- [GetOpt](#) - A command line opt parser.
- [GetOptionKit](#) - Another command line opt parser.
- [Hoa Console](#) - Another command line library.
- [PsySH](#) - Another PHP REPL.
- [ShellWrap](#) - A simple command line wrapper library.

Authentication and Authorization

Libraries for implementing user authentication and authorization.

- [Aura.Auth](#) - Provides authentication functionality and session tracking using various adapters.
- [SocialConnect Auth](#) - An open source social sign (OAuth1\OAuth2\OpenID\OpenIDConnect).
- [Json Web Token](#) - Json Tokens to authenticate and transmit information.

- [OAuth 1.0 Client](#) - An OAuth 1.0 client library.
- [OAuth 2.0 Client](#) - An OAuth 2.0 client library.
- [OAuth2 Server](#) - Another OAuth2 server implementation.
- [OAuth2 Server](#) - An OAuth2 authentication server, resource server and client library.
- [Opauth](#) - A multi-provider authentication framework.
- [PHP oAuthLib](#) - Another OAuth library.
- [Sentinel Social](#) - A library for social network authentication.
- [Sentinel](#) - A framework agnostic authentication & authorisation library.
- [TwitterOAuth](#) - A Twitter OAuth library.

Markup

Libraries for working with markup.

- [Cebe Markdown](#) - An fast and extensible Markdown parser.
- [CommonMark PHP](#) - A Markdown parser which supports the full [CommonMark spec](#).
- [Decoda](#) - A lightweight markup parser library.
- [Emoji](#) - A library that converts unicode characters and names into emoji images.
- [HTML to Markdown](#) - Converts HTML into Markdown.
- [HTML5 PHP](#) - An HTML5 parser and serializer library.
- [Parsedown](#) - Another Markdown parser.
- [PHP Markdown](#) - A Markdown parser.

Strings

Libraries for parsing and manipulating strings.

- [Agent](#) - A PHP desktop/mobile user agent parser, based on MobileDetect.
- [ANSI to HTML5](#) - An ANSI to HTML5 converter library.
- [Color Jizz](#) - A library for manipulating and converting colours.
- [Device Detector](#) - Another library for parsing user agent strings.
- [Hoa String](#) - Another UTF-8 string library.
- [Jieba-PHP](#) - A PHP port of Python's jieba. Chinese text segmentation for natural language processing.
- [Mobile-Detect](#) - A lightweight PHP class for detecting mobile devices (including tablets).
- [Patchwork UTF-8](#) - A portable library for working with UTF-8 strings.
- [Slugify](#) - A library to convert strings to slugs.
- [SQL Formatter](#) - A library for formatting SQL statements.
- [Stringy](#) - A string manipulation library with multibyte support.
- [UA Parser](#) - A library for parsing user agent strings.
- [URLify](#) - A PHP port of Django's URLify.js.
- [UUID](#) - A library for generating UUIDs.

Numbers

Libraries for working with numbers.

- [ByteUnits](#) - A library to parse, format and convert byte units in binary and metric systems.
- [LibPhoneNumber for PHP](#) - A PHP implementation of Google's phone number handling library.
- [PHP Conversion](#) - Another library for converting between units of measure.
- [PHP Units of Measure](#) - A library for converting between units of measure.

Filtering and Validation

Libraries for filtering and validating data.

- [Aura.Filter](#) - Provides tools to validate and sanitize objects and arrays.
- [Cake Validation](#) - Another validation library (CP).
- [Filterus](#) - A simple PHP filtering library.
- [ISO-codes](#) - A library for validating inputs according standards from ISO, International Finance, Public Administrations, GS1, Book Industry, Phone numbers & Zipcodes for many countries
- [MetaYaml](#) - A schema validation library that supports YAML, JSON and XML.
- [Respect Validation](#) - A simple validation library.
- [Upload](#) - A library for handling file uploads and validation.
- [Valitron](#) - Another validation library.
- [Volan](#) - Another simplified validation library.

API

Libraries and web tools for developing APIs.

- [API Platform](#) - Expose in minutes an hypermedia REST API that embraces JSON-LD, Hydra format.
- [Apigility](#) - An API builder built with Zend Framework 2.
- [Drest](#) - A library for exposing Doctrine entities as REST resource endpoints.
- [HAL](#) - A Hypertext Application Language (HAL) builder library.
- [Hateoas](#) - A HATEOAS REST web service library.
- [Negotiation](#) - A content negotiation library.
- [Restler](#) - A lightweight framework to expose PHP methods as RESTful web API.
- [wsdl2phpgenerator](#) - A tool to generate PHP classes from SOAP WSDL files.

Caching

Libraries for caching data.

- [Alternative PHP Cache \(APC\)](#) - Open opcode cache for PHP.
- [APIx Cache](#) - A thin PSR-6 cache wrapper to various caching backends emphasising cache tagging and indexing.
- [CacheTool](#) - A tool to clear APC/opcode caches from the command line.
- [Cake Cache](#) - A caching library (CP).
- [Doctrine Cache](#) - A caching library.
- [Metaphore](#) - Cache slam defense using a semaphore to prevent dogpile effect.
- [Stash](#) - Another library for caching.
- [Zend Cache](#) - Another caching library (ZF2).

Data Structure and Storage

Libraries that implement data structure or storage techniques.

- [Cake Collection](#) - A simple collections library (CP).
- [Collections](#) - Collections Abstraction library for PHP.
- [Fractal](#) - A library for converting complex data structures to JSON output.
- [Ginq](#) - Another PHP library based on .NET's LINQ.
- [JsonMapper](#) - A library that maps nested JSON structures onto PHP classes.
- [Knapsack](#) - Collection library inspired by Clojure's sequences.
- [PINQ](#) - A PHP library based on .NET's LINQ (Language Integrated Query).
- [Porter](#) - Data import abstraction framework.
- [Serializer](#) - A library for serialising and de-serialising data.

- [YaLinqo](#) - Yet Another LINQ to Objects for PHP.
- [Zend Serializer](#) - Another library for serialising and de-serialising data (ZF2).

Notifications

Libraries for working with notification software.

- [JoliNotif](#) - A cross-platform library for desktop notification (support for Growl, notify-send, toaster, etc)
- [Notification Pusher](#) - A standalone library for device push notifications.
- [Notificato](#) - A library for handling push notifications.
- [Notificator](#) - A lightweight notification library.
- [Php-pushwoosh](#) - A PHP Library to easily send push notifications with the Pushwoosh REST Web Services.

Deployment

Libraries for project deployment.

- [Deployer](#) - A deployment tool.
- [Envoy](#) - A tool to run SSH tasks with PHP.
- [Rocketeer](#) - A fast and easy deployer for the PHP world.

Internationalisation and Localisation

Libraries for Internationalization (I18n) and Localization (L10n).

- [Aura.Intl](#) - Provides internationalization (I18N) tools, specifically package-oriented per-locale message translation.
- [Cake I18n](#) - Message translation and localization for dates and numbers (CP)

Third Party APIs

Libraries for accessing third party APIs.

- [Amazon Web Service SDK](#) - The official PHP AWS SDK library.
- [Campaign Monitor](#) - The official Campaign Monitor PHP library.
- [Dropbox SDK](#) - The official PHP Dropbox SDK library.
- [Github](#) - A library to interface with the Github API.
- [Mailgun](#) The official Mailgun PHP API.
- [Stripe](#) - The official Stripe PHP library.
- [Twilio](#) - The official Twilio PHP REST API.

Extensions

Libraries to help build PHP extensions.

- [PHP CPP](#) - A C++ library for developing PHP extensions.
- [Zephir](#) - A compiled language between PHP and C++ for developing PHP extensions.

Miscellaneous

Useful libraries or tools that don't fit in the categories above.

- [Annotations](#) - An annotations library (part of Doctrine).
- [BotMan](#) - A framework agnostic PHP library to build cross-platform chat bots.
- [Cake Utility](#) - Utility classes such as Inflector, String, Hash, Security and Xml (CP).
- [Chief](#) - A command bus library.
- [ClassPreloader](#) - A library for optimising autoloading.

- [Country List](#) - A list of all countries with names and ISO 3166-1 codes.
- [Embera](#) - An Oembed consumer library.
- [Essence](#) - A library for extracting web media.
- [Graphviz](#) - A Graphviz library.
- [Hprose-PHP](#) - A very newbility RPC Library, support 25+ languages now.
- [JSON Lint](#) - A JSON lint utility.
- [JSONPCallbackValidator](#) - A library for validating JSONP callbacks.
- [Metrics](#) - A simple metrics API library.
- [noCAPTCHA](#) - Helper for Google's noCAPTCHA (reCAPTCHA).
- [Nmap](#) - A PHP wrapper around [Nmap](#).
- [Pagerfanta](#) - A pagination library.
- [PHP PassBook](#) - A PHP library for iOS PassBook.
- [PHP-ML](#) - A library for Machine Learning in PHP.
- [PHPCR](#) - A PHP port of the Java Content Repository (JCR).
- [PHPStack](#) - A TCP/IP stack proof of concept written in PHP.
- [print_o](#) - An object graph visualizer.
- [Procrastinator](#) - A library for running time consuming tasks.
- [Prooph Service Bus](#) - Lightweight message bus supporting CQRS and Micro Services
- [RMT](#) - A library for versioning and releasing software.
- [sabre/vobject](#) - A library for parsing VCard and iCalendar objects.
- [Slimdump](#) - An easy dumper tool for MySQL.
- [Spork](#) - A process forking library.
- [SuperClosure](#) - A library that allows Closures to be serialized.
- [Symfony VarDumper](#) - A variable dumper component (SF).

- [Underscore](#) - A PHP port of the Underscore JS library.
- [Whoops](#) - A pretty error handling library.

Software

Software for creating a development environment.

PHP Installation

Tools to help install and manage PHP on your computer.

- [HomeBrew PHP](#) - A PHP tap for HomeBrew.
- [HomeBrew](#) - A package manager for OSX.
- [PHP Brew](#) - A PHP version manager and installer.
- [PHP Build](#) - Another PHP version installer.
- [PHP OSX](#) - A PHP installer for OSX.
- [VirtPHP](#) - A tool for creating and managing isolated PHP environments.

Development Environment

Software and tools for creating a sandboxed development environment.

- [Ansible](#) - A radically simple orchestration framework.
- [Phansible](#) - A web tool for building PHP development virtual machines with Ansible.
- [Protonbox](#) - Another web tool for building PHP development virtual machines.
- [PuPHPet](#) - A web tool for building PHP development virtual machines.
- [Puppet](#) - A server automation framework and application.

- [Vagrant](#) - A portable development environment utility.
- [Docker](#) - A containerization platform.

Virtual Machines

Alternative PHP virtual machines.

- [Hack](#) - A programming language for HHVM that interoperates seamlessly with PHP.
- [HHVM](#) - A Virtual Machine, Runtime and JIT for PHP by Facebook.

Text Editors and IDEs

Text Editors and Integrated Development Environments (IDE) with support for PHP.

- [Atom](#) - A hackable text editor.
- [Atom IDE](#) - An IDE extension for Atom.
- [Eclipse for PHP Developers](#) - A PHP IDE based on the Eclipse platform.
- [Netbeans](#) - An IDE with support for PHP and HTML5.
- [PhpStorm](#) - A commercial PHP IDE.
- [VS Code](#) - An open source code editor.

Web Applications

Web-based applications and tools.

- [3V4L](#) - An online PHP & HHVM shell.
- [DBV](#) - A database version control application.
- [PHP Queue](#) - An application for managing queueing backends.

- [MailCatcher](#) - A web tool for capturing and viewing emails.
- [Cachet](#) - The open source status page system.
- [phpRedisAdmin](#) - A simple web interface to manage [Redis](#) databases.
- [phpMyAdmin](#) - A web interface for MySQL/MariaDB.
- [Adminer](#) - Database management in a single PHP file.
- [Grav](#) - A modern flat-file CMS.
- [Lychee](#) - An easy to use and great looking photo-management-system.

Infrastructure

Infrastructure for providing PHP applications and services.

- [appserver.io](#) - A multithreaded application server for PHP, written in PHP.
- [php-pm](#) - A process manager, supercharger and load balancer for PHP applications.

Resources

Various resources, such as books, websites and articles, for improving your PHP development skills and knowledge.

PHP Websites

Useful PHP-related websites.

- [Nomad PHP](#) - A online PHP learning resource.
- [PHP Best Practices](#) - A PHP best practice guide.
- [PHP FIG](#) - The PHP Framework Interoperability Group.
- [PHP Mentoring](#) - Peer to peer PHP mentorship organization.

- [PHP Package Development Standards](#) - Package development standards for PHP.
- [PHP School](#) - Open Source Learning for PHP.
- [PHP Security](#) - A guide to PHP security.
- [PHP The Right Way](#) - A PHP best practice quick reference guide.
- [PHP UG](#) - A website to help people locate their nearest PHP user group (UG).
- [PHP Versions](#) - Lists which versions of PHP are available on several popular web hosts.
- [PHP Weekly](#) - A weekly PHP newsletter.
- [PHPTrends](#) - An overview of fastest growing PHP libraries.
- [Securing PHP](#) - A newsletter about PHP security and library recommendations.
- [Seven PHP](#) - A website that interviews members of the PHP community.
- [PHP Annotated Monthly](#) - A monthly digest of PHP news.

Other Websites

Useful websites related to web development.

- [Atlassian Git Tutorials](#) - A series of Git tutorials.
- [Hg Init](#) - A series of Mercurial tutorials.
- [Learning Linux](#) - A website for learning Linux.
- [Semantic Versioning](#) - A website explaining semantic versioning.
- [Servers for Hackers](#) - A newsletter about server management.
- [The Open Web Application Security Project \(OWASP\)](#) - An open software security community.
- [WebSec IO](#) - A web security community resource.

PHP Books

Fantastic PHP-related books.

- [Functional Programming in PHP](#) - This book will show you how to leverage these new PHP5.3+ features by understanding functional programming principles
- [Grumpy PHPUnit](#) - A book about unit testing with PHPUnit by Chris Hartjes.
- [Mastering Object-Orientated PHP](#) - A book about object-orientated PHP by Brandon Savage.
- [Modern PHP New Features and Good Practices](#) - A book about new PHP features and best practices by Josh Lockhart.
- [Modernizing Legacy Applications in PHP](#) - A book about modernizing legacy PHP applications by Paul M. Jones.
- [PHP 7 Upgrade Guide](#) - An ebook covering all of the features and changes in PHP 7 by Colin O'Dell.
- [PHP Pandas](#) - A book about learning to write PHP by Dayle Rees.
- [Scaling PHP Applications](#) - An ebook about scaling PHP applications by Steve Corona.
- [Securing PHP: Core Concepts](#) - A book about common security terms and practices for PHP by Chris Cornutt.
- [Signaling PHP](#) - A book about catching PCNTL signals in CLI scripts by Cal Evans.
- [The Grumpy Programmer's Guide to Building Testable PHP Applications](#) - A book about building testing PHP applications by Chris Hartjes.
- [XML Parsing with PHP](#) - This book covers parsing and validating XML documents, leveraging XPath expressions, and working with namespaces as well as how to create and modify XML files programmatically.
- [Domain-Driven Design in PHP](#) - Real examples written in PHP showcasing DDD Architectural Styles.

Other Books

Books related to general computing and web development.

- [Elasticsearch: The Definitive Guide](#) - A guide to working with Elasticsearch by Clinton Gormley and Zachary Tong.
- [Eloquent JavaScript](#) - A book about JavaScript programming by Marijn Haverbeke.
- [Head First Design Patterns](#) - A book that explains software design patterns.

- [Pro Git](#) - A book about Git by Scott Chacon and Ben Straub.
- [The Linux Command Line](#) - A book about the Linux command line by William Shotts.
- [The Tangled Web — Securing Web Applications](#) - A book about securing web applications by Michal Zalewski.
- [Understanding Computation](#) - A book about computation theory by Tom Stuart.
- [Vagrant Cookbook](#) - A book about creating Vagrant environments by Erika Heidi.

PHP Videos

Fantastic PHP-related videos.

- [Nomad PHP Lightning Talks](#) - 10 to 15 minute Lightning Talks by PHP community members.
- [PHP UK Conference](#) - A collection of videos from the PHP UK Conference.
- [Programming with Anthony](#) - A video series by Anthony Ferrara.
- [Taking PHP Seriously](#) - A talk outlining PHP's strengths by Keith Adams of Facebook.

PHP Podcasts

Podcasts with a focus on PHP topics.

- [PHP Town Hall](#) - A casual PHP podcast by Ben Edmunds and Phil Sturgeon.
- [Voices of the ElePHPant](#) Interviews with the people that make the PHP community special.
- [PHP Roundtable](#) - The PHP Roundtable is a casual gathering of developers discussing topics that PHP nerds care about.

PHP Reading

PHP-related reading materials.

- [Composer Primer](#) - A Composer primer.
- [Composer Stability Flags](#) - An article about Composer stability flags.
- [Composer Versioning](#) - An article about Composer versioning.
- [Create Your Own PHP Framework](#) - A series of articles on how to make your own PHP framework by Fabien Potencier.
- [Don't Worry About BREACH](#) - An article about the BREACH hack and CSRF tokens.
- [On PHP 5.3, Lambda Functions and Closures](#) - An article about lambda functions and closures.
- [PHP Is Much Better Than You Think](#) - An article about the PHP language and ecosystem.
- [PHP Package Checklist](#) - A checklist for successful PHP package development.
- [PHP Sucks! But I Like It!](#) - An article about the pros and cons of PHP.
- [Preventing CSRF Attacks](#) - An article on preventing CSRF attacks.
- [Seven Ways to Screw Up BCrypt](#) - An article about correct BCrypt implementation.
- [The 2018 Guide to Building Secure PHP Software](#) - A guide to building secure PHP software.
- [Use Env](#) - An article about using the unix environment helper.

PHP Internals Reading

Reading materials related to the PHP internals or performance.

- [Disproving the Single Quotes Myth](#) - An article about performance of single and double quoted strings.
- [How Big Are PHP Arrays \(And Values\) Really?](#) - An article about array internals.
- [How Foreach Works](#) - A detailed StackOverflow answer about foreach.
- [How Long is a Piece of String](#) - An article about string internals.
- [PHP Evaluation Order](#) - An article about evaluation order in PHP.
- [PHP Internals Book](#) - An online book about PHP internals, written by three core developers.
- [PHP RFCs](#) - The home of PHP RFCs (Request for Comments).

- [Print vs Echo, Which One is Faster?](#) - An article about print and echo performance.
- [The PHP Ternary Operator. Fast or Not?](#) - An article ternary performance.
- [Understanding OpCodes](#) - An article about opcodes.
- [When Does Foreach Copy?](#) - An article about the internals of foreach.
- [Why Objects \(Usually\) Use Less Memory Than Arrays](#) - An article about object and array internals.
- [You're Being Lied To](#) - An article about internal ZVALs.
- Collecting Garbage: [1](#) [2](#) [3](#) - A series about the PHP garbage collection internals.
- PHP Source Code for Developers: [1](#) [2](#) [3](#) [4](#) - A series about the PHP source code.

PHP Magazines

Fantastic PHP-related magazines.

- [php\[architect\]](#) - A monthly magazine dedicated to PHP.

