



# 7 best Docker containers for developers



By Parth Shah — 3 days ago



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Docker has transformed how developers build, ship, and run applications. But with a vast ecosystem of containers available, finding the right ones can be challenging. That's why I have curated a list of Docker containers that can significantly enhance your development workflow. Whether you are a seasoned developer or just starting out, these containers deliver valuable solutions to common challenges and let you focus on what matters most: creating innovative applications.

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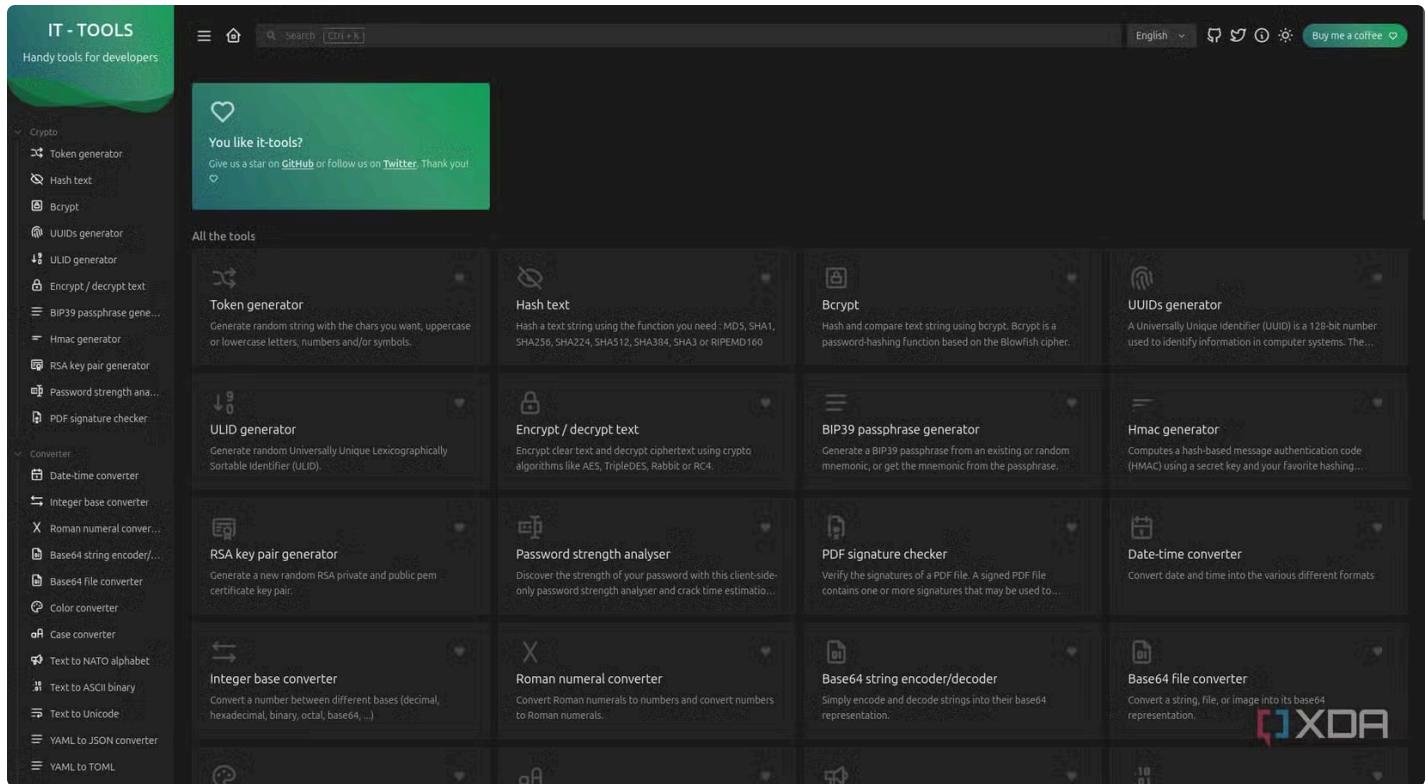
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# IT-Tools

A valuable asset in any developer's toolkit



The screenshot shows the IT-Tools website with a dark theme. The sidebar on the left lists categories: Crypto (Token generator, Hash text, Bcrypt), Uuids generator, Uuid-generator, Encrypt/decrypt text, BIP39 passphrase generator, Hmac generator, RSA key pair generator, Password strength ana..., PDF signature checker, Converters (Date-time converter, Integer base converter, Roman numeral Converter..., Base64 string encoder..., Base64 file converter, Color converter, Case converter, Text to NATO alphabet, Text to ASCII binary, Text to Unicode, YAML to JSON converter, YAML to TOML). The main content area shows a grid of 12 tools: Token generator, Hash text, Bcrypt, Uuids generator, ULID generator, Encrypt / decrypt text, BIP39 passphrase generator, Hmac generator, RSA key pair generator, Password strength analyser, Integer base converter, Roman numeral converter, Base64 string encoder/decoder, and Base64 file converter. Each tool has a brief description and a small icon.

As the name suggests, the IT-Tools Docker container offers a collection of handy utilities for IT professionals and developers. You can access a range of add-ons such as network diagnostic tools including ping and traceroute, security tools like hash generators and certificate viewers, and encoding/decoding tools for working with data formats like Base64 and URLs, and more from a web-based interface.

While it's not strictly a development tool, IT-Tools can be useful for developers who need to debug network issues, work with APIs and need to encode/decode data, and require

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# Nginx

A must-have for building modern web apps



Source: Nginx

The Nginx Docker container offers the power and efficiency of the popular Nginx web server for your development environment. It acts as an intermediary between clients and your backend servers, enhancing security and performance.

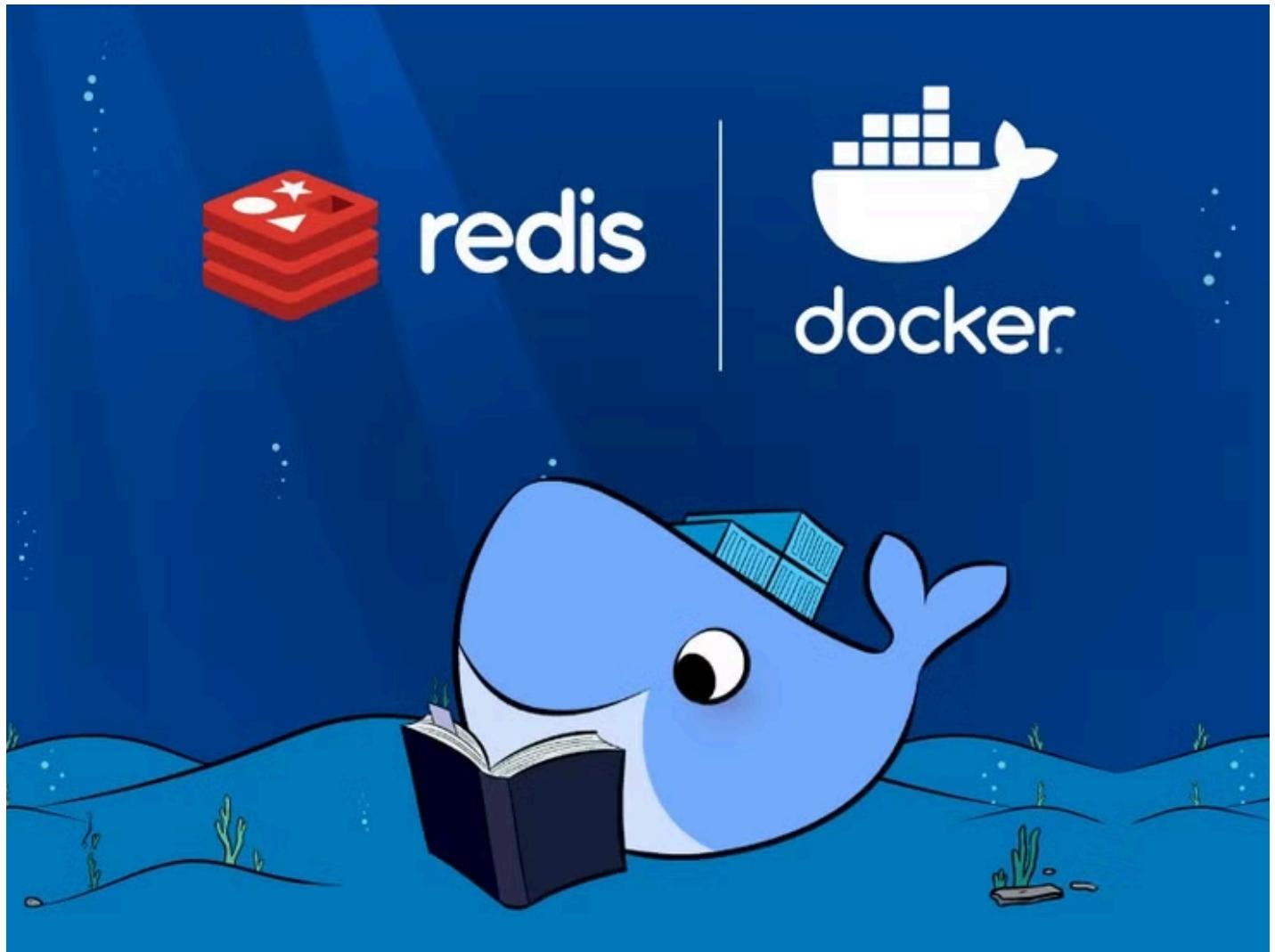
You can quickly deploy a production-ready web server without dealing with a complex installation process and ensure that your web applications run the same way in development, testing, and production. Overall, the Nginx Docker container provides a powerful and flexible solution for web serving and related tasks. Its ease of use, performance benefits, and extensive features make it an ideal tool for developers building modern web applications.

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## Redis

Simplify data management



Source: Redis

When you deal with applications requiring low latency, like real-time analytics, caching, and session management, you need high-performance data storage to reduce database load and improve response times. Here is where Redis comes into play. It simplifies setup, ensures a consistent environment, and frees developers from managing complex infrastructure.

You can deploy a Redis instance with a single command, leverage its speed to enhance application performance and responsiveness, and simply focus on building features instead of managing complex database infrastructure.

Developers can store frequently accessed data, such as user sessions in Redis, to reduce database load, analyze data in real-time, and even utilize sorted sets to implement ranking systems. Check out the [official Docker guide to utilizing Redis](#).

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## Jenkins

Automate your development workflow



# Jenl

**Build great things**

The leading open source CI/CD server, Jenkins provides over 1,000 plugins to support building, testing, and automating any project.

Source: Jenkins

Jenkins is the most popular Docker container for developers. It automates repetitive tasks like building code, running tests, and deploying applications. It basically streamlines your software development lifecycle. Another advantage of using Jenkins is its vast library of plugins. You can extend its functionality with a set of specific plugins.

Overall, Jenkins increases efficiency, improves code quality, and accelerates the delivery of software updates. It offers a functional web interface to tweak, monitor, and manage your Jenkins jobs.

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## Vaultwarden

**Store your confidential information**

As a developer, you must be using several applications and services in your workflow. Each tool requires account credentials for specific reasons, and you need to store them in

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offers a secure way to self-host your own Bitwarden-compatible password manager.

You can use your Bitwarden apps (browser extensions, mobile apps, etc.) to connect to your self-hosted Vaultwarden instance. Besides, it's significantly lighter in terms of resources and is ideal for running on low-end devices.

Also, since you are bypassing third-party cloud providers, you retain complete control over your sensitive password data. Overall, it's a compelling solution for developers seeking secure and private password management.

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## BusyBox

### Create tiny containers for specific tasks

```
0 (2010-12-01 19:10:28 CET) multi-call binary.
1998-2009 Erik Andersen, Rob Landley, Denys Vlasenko
censed under GPLv2.
tribution for full notice.

[function] [arguments]...
--list[-full]
n [arguments]...

x is a multi-call binary that combines many common Unix
ies into a single executable. Most people will create a
o busybox for each function they wish to use and BusyBox
ct like whatever it was invoked as.

ned functions:
  acpid, add-shell, addgroup, adduser, adjtimex, ar, arp, arping,
  base64, basename, bbconfig, beep, blkid, blockchartd,
  bunzip2, bzcat, bzip2, cal, cat, catv, chat, chattr, chgrp,
  chown, chpasswd, chpst, chroot, chrt, chvt, cksum, clear, cmp,
```

```
conspy, cp, cpio, crond, crontab, cryptpw, ctthack, cut, date,
deluser, depmod, devfsd, devmem, df,
esg, dnsd, dnsdomainname, dos2unix, dpkg,
eb, du, dumpkmap, dumpleases, echo, ed, egrep, eject, env,
envuidgid, ether-wake, expand, expr, fakeidentd, false, fbset,
sh, fdflush, fdformat, fdisk, fgconsole, fgrep, find, findfs,
eraseall, flash_lock, flash_unlock, flashcp, flock, fold, free,
mdisk, fsck, fsck.minix, fsync, ftpd, ftpput, fuser,
getty, grep, gunzip, gzip, halt, hd, hdparm, head, hexdump,
hostname, httpd, hush, hwclock, id, ifconfig, ifdown,
ave, ifplugd, ifup, inetd, init, inotifyd, insmod, install,
```

Source: BusyBox

You can either go with Alpine Linux or BusyBox to build small and efficient Docker images. As for the latter, it packs a collection of essential Unix utilities and helps you create space-efficient Docker images without breaking a sweat. Its minimal footprint ensures better efficiency and faster startup times and reduces security vulnerabilities.

Let's say you want to serve a simple static HTML page. Instead of using a full-fledged web server like Nginx or Apache, you can use BusyBox's built-in httpd (HTTP daemon). Similarly, if you have a shell script that performs some automation tasks, you can use BusyBox to create a container that executes the script. These are just a couple of examples of how you can use BusyBox in your development workflow.



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## Focalboard

An ideal Trello alternative

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By Objectives

Properties Group by: Objective Filter Sort

Search cards

New

Name	Objective	Status	Department	Priority	Quarter	Due Date	Assignee
<b>Grow Revenue</b>							
Add 10 new customers in the EU	GROW REVENUE	AT RISK	SALES	P3	Q4		Emp
Generate more Marketing Qualified Leads (...)	GROW REVENUE	IN PROGRESS	MARKETING	P2	Q1		Emp
Hit company global sales target	GROW REVENUE	NOT STARTED	SALES	P1 🔥	Q2		Emp
<b>Delight Customers</b>							
Improve customer NPS score	DELIGHT CUSTOMERS	IN PROGRESS	SUPPORT	P2	Q3		Emp
Increase customer retention	DELIGHT CUSTOMERS	IN PROGRESS	PRODUCT	P1 🔥	Q4		Emp
Reduce bug backlog by 50%	DELIGHT CUSTOMERS	COMPLETE 🎉	ENGINEERI	P3	Q2		Emp
<b>Drive Product Adoption</b>							
Increase user signups by 30%	DRIVE PRODUCT ADOPTI	NOT STARTED	PRODUCT	P2	Q4		Emp
Launch 3 key features	DRIVE PRODUCT ADOPTI	AT RISK	ENGINEERI	P1 🔥	Q3		Emp

COUNT 8

Source: [Focalboard](#)

Speaking of the top Docker containers for developers, how could I leave Focalboard off the list? After all, every developer requires some sort of project management tool to track tasks with minute details. While there are several project management tools like Taskcafe, Focalboard gets my vote for several reasons.

It offers Kanban-style boards where you can insert cards and move them between different columns as your project progresses, enables smooth collaboration with features like task assignments, comments, mentions, and shared workspaces, and it also integrates other development tools and services to create a smooth workflow.

Developers can manage software development projects, organize bug tracking, and even plan their personal projects like a pro.

## Level up your development

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The right Docker containers can significantly impact a developer's efficiency. From simplifying system administration to boosting project management, or from securing sensitive data to optimizing performance with Ngnix and Redis, the possibilities are endless.

As you continue your Docker journey, make sure to explore more options, experiment with different containers, and discover the ones that best suit your projects. Check out our separate guide if you are looking for the top containers for your NAS devices.

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**Barry\_v\_Biljon**

2025-01-06 11:23:41

NginX is great...but. It's 2025 and there is no good reason to not use **Caddy Webserver** for any project, IMHO - It does everything and more, unless you have some very complex Nginx configuration that you just cannot live without...

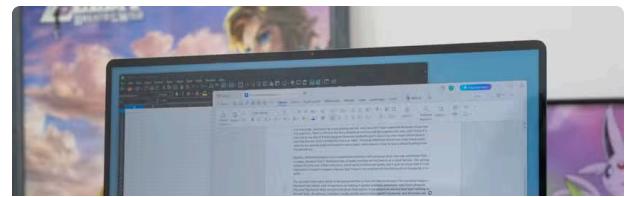
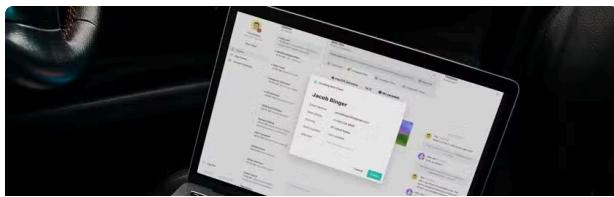
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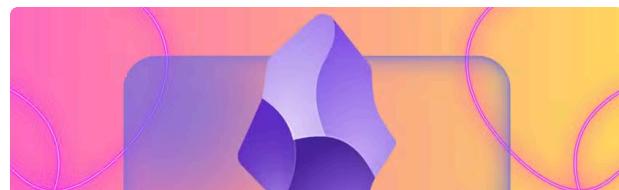
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