Tools and Concepts for Successfully Open Sourcing Your Project
TODO guides

These Open Source Guides are developed by the TODO Group in collaboration with The Linux Foundation and the larger open source community. They collect best practices from the leading companies engaged in open source development, and aim to help your organization successfully implement and run an open source program office. We expect these guides to be living documents that evolve via community contributions.

For guides tailored to individual contributors, we recommend GitHub’s community guides.

Open Source Guides

To build a successful open source program, start here:

- How to Create an Open Source Program
- Measuring Your Open Source Program
- Tools for Managing Your Open Source Program

For open source program management best practices:

- Using Open Source Code
- Participating in Open Source Communities
- Recruiting Open Source Developers
- Starting an Open Source Project
- Open Source Reading List
- Improve Your Open Source Development Impact
- Shutting Down an Open Source Project
- Building Leadership in an Open Source Community
- Setting an Open Source Strategy

https://todogroup.org/
https://opensource.com/
https://www.redhat.com/de/blog
https://www.percona.com/blog/
Tips

1. Don’t be afraid to **delete**!
2. Is it something you want to be **associated** with?
3. Should it be running as org or under your personal **account**?
4. **Open source** or **freeware**?
5. **Prepare** for people.
6. Think of the **revenue** options down the line.
7. Get **advice** and opinions. ⚠️ *(but not too much)*
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Factors to Consider

1. Do you have a need to **fix something** yourself and are considering helping other people?

2. Are you seeking **fame, glory, and rage**?

3. Do you need an improvement on your profile for **job searching**?
“Open Source” !=
“open”, “source”
Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

Email address

Sign up for GitHub

56+ million
Developers

3+ million
Organizations

100+ million
Repositories

72%
Fortune 50
GitHub Actions makes it easy to automate all your software workflows, now with world-class CI/CD. Build, test, and deploy your code right from GitHub. Make code reviews, branch management, and issue triaging work the way you want.

Get started with Actions

Questions? Contact Sales →
GitHub Pages

Websites for you and your projects.

Hosted directly from your GitHub repository. Just edit, push, and your changes are live.
Modern web apps shipped faster

An intuitive git-based workflow. A powerful serverless platform for Jamstack.

Get started in seconds  Questions? Talk to an expert →
<table>
<thead>
<tr>
<th>STARTER</th>
<th>PRO</th>
<th>BUSINESS</th>
<th>ENTERPRISE</th>
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</thead>
<tbody>
<tr>
<td>The basics for personal projects, hobby sites, or experiments.</td>
<td>Advanced features and support for building pilot projects or small sites.</td>
<td>Collaboration, security, &amp; compliance for scaling web apps and development teams.</td>
<td>A custom plan and services for mission-critical web properties</td>
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<tr>
<td><strong>Free</strong></td>
<td><strong>$19 per member / month</strong></td>
<td><strong>$99 per member /month</strong></td>
<td><strong>Contact us</strong></td>
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<tr>
<td>✔ Automate builds from Git</td>
<td>✔ Starter features, plus:</td>
<td>✔ Pro features, plus:</td>
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<tr>
<td>✔ Deploy to global Edge network</td>
<td>✔ Background Functions</td>
<td>✔ SAML single sign-on</td>
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<tr>
<td>✔ Site previews for every push</td>
<td>✔ Password-protected sites</td>
<td>✔ Role-based access control</td>
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<tr>
<td>✔ Instant rollbacks to any version</td>
<td>✔ Audit logs with 7-day history</td>
<td>✔ Audit logs with full history</td>
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<tr>
<td>✔ Deploy static assets &amp; dynamic serverless functions</td>
<td>✔ 4x bandwidth &amp; 3x build minutes</td>
<td>✔ Unlimited Forms, Identity, &amp; Functions</td>
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<td>✔ Shared environment variables</td>
<td>✔ Unlimited Analytics for all sites</td>
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<td>✔ Slack &amp; email notifications</td>
<td>✔ Prioritize time-sensitive builds</td>
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<td>✔ Email support</td>
<td>✔ Billing administrator role</td>
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<td>✔ Self-hosted GitHub/GitLab</td>
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<td><strong>Start for free</strong></td>
<td><strong>Buy Pro</strong></td>
<td><strong>Buy Business</strong></td>
<td><strong>Contact us</strong></td>
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</tbody>
</table>

- Tailored to team and performance requirements.
- 99.99% uptime SLA
- 24×7×365 premium support
- Enterprise-grade global edge network
- High-performance builds with SLAs
- Custom contracts & invoicing
- Security & compliance review
- Pentesting and load testing
Add more commits by pushing to the dependabot/go_modules/github.com/stretchr/testify-1.7.0 branch on ContainerSSH/sshserver.

- **Review required**
  At least 1 approving review is required by reviewers with write access. Learn more.

- **All checks have passed**
  8 successful checks

  - **CodeQL / Analyze (go) (pull_request)** Successful in 1m — Analyze (go)
  - **Lint / Run lint (pull_request)** Successful in 16s
  - **Lint / Run lint (push)** Successful in 18s
  - **Tests / Run tests (pull_request)** Successful in 1m
  - **Tests / Run tests (push)** Successful in 1m
  - **Code scanning results / CodeQL** Successful in 3s — No new alerts

- **Merging is blocked**
  Merging can be performed automatically with 1 approving review.

As an administrator, you may still merge this pull request.

- **Squash and merge**
  You can also open this in GitHub Desktop or view command line instructions.
Overview

MkDocs is a fast, simple and downright gorgeous static site generator that’s geared towards building project documentation. Documentation source files are written in Markdown, and configured with a single YAML configuration file. Start by reading the introduction below, then check the User Guide for more info.

Host anywhere

MkDocs builds completely static HTML sites that you can host on GitHub pages, Amazon S3, or anywhere else you choose.

Great themes available

There’s a stack of good looking themes available for MkDocs. Choose between the built in themes: mkdocs and readthedocs, select one of the 3rd party themes listed on the MkDocs Themes wiki page, or build your own.

Preview your site as you work

The built-in dev-server allows you to preview your documentation as you’re writing it. It will even auto-reload and refresh your browser whenever you save your changes.

Easy to customize

Get your project documentation looking just the way you want it by customizing the theme and/or installing some plugins.
ContainerSSH: Launch containers on demand

Offering SSH in a web hosting service?
ContainerSSH lets you dynamically create and destroy containers when your users connect. Authenticate against your existing user database and mount directories based on your existing permission matrix.

Looking for a Linux learning environment?
With ContainerSSH you can launch Linux-based containers on demand when your students connect. You can supply your own container image and mount folders with learning and testing material as needed.

Building a honeypot?
With the dynamic authentication server of ContainerSSH you can capture usernames and passwords, and you container environment can log commands that are executed.

Building a high security environment?
ContainerSSH is being used to provide dynamic console access to an environment with sensitive credentials. Use the authentication and configuration server to dynamically provision credentials in conjunction with secret management systems such as Hashicorp Vault.
Open Source Community Application

Docker is committed to supporting the open source community and we thank our open source community for their contributions. Please complete our application to get more information about how Docker can support your open source project on Docker Hub.
Some Quay builds relying on Docker Hub may fail due to their new rate limiting policies. Please move your base images into Quay directly to ensure that your builds succeed. For more information see how to mitigate docker hub pull request limits.
Write, Plan, Apply

Terraform is an open-source infrastructure as code software tool that provides a consistent CLI workflow to manage hundreds of cloud services. Terraform codifies cloud APIs into declarative configuration files.

Get started
0.3.0

github-actions released this on Oct 21, 2020

This is a feature release. Upgrade at your own leisure.

Changelog

#36 Monitoring: ContainerSSH now exposes Prometheus metrics on port 9100 for monitoring purposes if enabled. See the metrics documentation for details.

Docker images

- `docker pull janoszen/containerssh:latest`
- `docker pull janoszen/containerssh:0.3`
- `docker pull janoszen/containerssh:0.3.0`
- `docker pull docker.pkg.github.com/janoszen/containerssh/containerssh:latest`
- `docker pull docker.pkg.github.com/janoszen/containerssh/containerssh:0.3`
- `docker pull docker.pkg.github.com/janoszen/containerssh/containerssh:0.3.0`
Setting up the website development environment

This website is developed using mkdocs using the Material theme. This guide will run you through the steps of setting it up.

Installing Python

You can download Python from the official website. You will need at least Python 3.8.

Cloning the repository

In order to develop this website you will need to clone the repository:

```
git clone https://github.com/containerssh/containerssh.github.io
```

Creating a venv

Once you have all that done we recommend you create a venv to avoid polluting your computer with packages:
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Announcing the ContainerSSH Guest Agent
The new ContainerSSH guest agent will extend the playing field across container frameworks.

We are removing a few features with better ones in the next release:
https://containerssh.io/deprecations/
Don’t be just a megaphone.
Engage.
Choose an open source license

An open source license protects contributors and users. Businesses and savvy developers won’t touch a project without this protection.

Which of the following best describes your situation?

- **I need to work in a community.**
  - Use the license preferred by the community you’re contributing to or depending on. Your project will fit right in.
  - If you have a dependency that doesn’t have a license, ask its maintainers to add a license.

- **I want it simple and permissive.**
  - The MIT License is short and to the point. It lets people do almost anything they want with your project, like making and distributing closed source versions.
  - Babel, .NET Core, and Rails use the MIT License.

- **I care about sharing improvements.**
  - The GNU GPLv3 also lets people do almost anything they want with your project, except distributing closed source versions.
  - Ansible, Bash, and GIMP use the GNU GPLv3.

What if none of these work for me?

- **My project isn’t software.**
  - There are licenses for that.

- **I want more choices.**
  - More licenses are available.

- **I don’t want to choose a license.**
  - Here’s what happens if you don’t.

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Liability and Warranty

“...a general exclusion of liability is not valid facing European courts...”

- What damage can you cause?
- Do you regularly update it?
- Do your otherwise paying customers need it?

Trademark

Does your license allow your competitors to use your name?

See Elasticsearch versus AWS...
Does your license allow your competitors to use your patents?
Financial

Budget

Time
Time is money, friend!
1. Use the **tools** you can to achieve your goals
   a. GitHub/Gitlab
   b. Docs/Blog engines
2. Choose a **license**
3. **Automate**
4. **Test**
5. Have **fun**
6. ???
7. Maybe **profit**?

---

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