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Disclaimer

About

Source: InvolveMedia

Documentation as infrastructure

Now, these documentation instances won't be read by all humans. Most likely, when people have become familiar with a topic, but have a question than they won't be jumping to a documentation page but will use an LLM to quickly get an answer.

Also LLM's are allowed to be used to generate content, however we do mandate that the voice is human and the person behind it must be publicly known. We want to build a community and not a bot land of trolls

This section holds for all of the Deternet Bookstack instances and is copied around all of them. The goal of this section is to provide some insight in

The purpose of all the documentation instances

The future of

section we will talk about the following 3 topics that seem to be important in Today's day and age ;) Also, it shed some light on why we make these Bookstack Instances in the first place.

- Future of Documentation
- Future of App Development
- Future of Education

We all must accept the

Yes—DeepWiki’s documentation should be treated as a starting point, not authoritative documentation. AI-generated explanations can be incomplete or incorrect, so a human should check important details against the actual code before relying on or publishing them.

That separation matters: reviewed docs make explanations more consistent and human-centered, while the live repository keeps them connected to the implementation. The result is less “chat with a pile of files” and more “learn from a curated guide, with the code available as evidence.”

Right. GitHub remains the source of truth for the repository; DeepWiki is a generated interface for exploring and understanding it, not the authority that defines what the code is.

Your broader idea adds a second layer: human-reviewed documentation could be the authoritative source for how the project should be taught, while GitHub remains authoritative for what the implementation contains. The tutor's role is to connect those sources and explain them clearly—not to replace either one.

Throughout history we have

For example, Microsoft's own data shows its Copilot "answer engine" caused click-through rates for The New York Times' domain to drop as much as 93% compared to traditional Bing search. An internal Microsoft presentation written by Microsoft's director of Applied Science, Brent Hecht, in January 2024 describes the decline as a "doom loop" that would "hurt the performance of our models and the entire web at the same time."

OpenAI President Greg Brockman described the models as "excellent at news." Nadella agreed under oath earlier this year that conversing with chatbots "has substituted … giving you the information right there on the website on the AI platform versus needing to go to the underlying source."

That kind of language speaks to how the technology could directly compete with, rather than transform, the original work.

A Microsoft document states that there is a "real risk" that generative AI could "significantly disrupt the employment of the very people who generated the data on which the foundation model was trained."

DeepWiki provides a variety of tools designed to enhance the understanding of code repositories. Here's a summary of its key features:

Auto-Generated Documentation

- Structured Overviews: Automatically generates documentation that outlines the repository's structure and functionality.
- Purpose and Scope Summaries: Offers concise explanations of what each component does.

Visual Diagrams

- Module Relationships: Creates diagrams that illustrate how different modules interact within the codebase.

- Data Flow Paths: Visualizes the flow of data through the system, helping users understand dependencies and architecture.

AI-Powered Q&A Interface

- Interactive Questions: Users can ask specific questions about the codebase and receive context-grounded responses.
- Natural Language Processing: Allows for easy querying in plain language, making it accessible for all users.

Additional Features

- Rapid File Scanning: Quickly scans repository files to provide immediate insights and summaries.
- Deep Research Mode: Offers in-depth analysis for complex projects, ideal for thorough investigations.

These tools collectively aim to streamline the process of understanding and navigating open-source code, making it easier for developers to work efficiently.

Generative AI can be used to create examples s.t people not familiar with a topic can more easily understand it. Now, the job of the human using AI to create these examples is then to check if the generated examples actually explain the concept or not. Here, again a human with knowledge about the topic is essential.

Over the past year something interesting has started happening online. AI tools are producing more documentation, guides, and explanations than ever before. At the same time, people seem to be reading documentation less than they used to. Instead of digging through help pages, knowledge bases, or developer guides, we increasingly ask AI tools for answers. The AI reads the documentation for us, summarizes it, and gives us the result.

At first glance this makes documentation feel less important. If nobody reads it anymore, why bother writing it? But when you look closer, the opposite seems to be happening. Documentation is quietly becoming one of the most important pieces of infrastructure behind modern software, websites, and digital systems. Humans may read it less directly, but the machines helping us build and use technology rely on it more than ever.

Documentation is essential to a global digital commons because shared infrastructure is only truly shareable when people can understand, use, maintain, and improve it. As the article suggests, documentation is increasingly read not only by people but also by AI systems that help them

navigate software and build on it. Clear, open documentation—covering how systems work, how to connect them, and how to contribute—makes common infrastructure more accessible and dependable, rather than leaving knowledge locked inside a handful of companies or expert teams.

Writing that documentation collectively is part of building the commons itself. When communities document their tools, decisions, and practices together, they make it easier for others to adopt and adapt those tools, and to move away from proprietary platforms without losing essential knowledge along the way. Shared documentation can turn isolated open-source projects into an interoperable ecosystem: one that people can understand, trust, and shape together.

Goal 1: All information on this instance and any other does not provide any new information that is not already out on the internet. On top of that, LLM's and AI agents can provide you with great instructions to learn and build basically anything i.e they are great personal Tutors. However, these open source Tutors like Deeptutor.info work well when they are provided with curated learning material on a subject. Since, general LLM's do know everything but they cannot each you a subject like Quantum Mechanics., at least not yet ;)

However, it must be admitted that soon figures out that if you have no background knowledge, don't know what to watch out for or search for that it gets quite hard for you to learn anything of substance. For instance the prompt: "Teach me quantum mechanics" simply provides you with a summary of what quantum mechanics entails it does not teach you the course obviously. This brings us with the first role of these instances and that is simply collecting collectively knowledge related to a global digital commons and represent this in a human teachable form.

Goal 2: Finally, these instances are also created to create human communities and keep the so called human in the loop. Even if in the near term future AI can setup equivalent knowledge hubs on any field than we still need humans that can confirm that the information is correct and to add new information. We could of course completely trust AI and skip the human checks. The instances are community instances that are constantly updated with new input of how us humans understand the digital world. Hence, this is likely here to stay as a place that keeps track of the truth as far as we know it ;). New inputs constantly, need to be judged by humans to check if we understand what is going on under the hood for safety purposes.

Goal 3: The objective for all instances is to create a collective truth on how the digital commons could work.

> Warning 1: If you have one collective human truth wouldn't this be biased and won't youmiss other ways of doing things ?

This Bookstack instance discusses from zero to hero how you create a HomeLab at home. Simply said how can you replace all the for profit corporate applications with open source alternatives and host them in your own home on your own hardware. In other words your data is now stored on servers from BIG TECH e.g Facebook, Google, Apple, Amazon, Microsoft etcetera but with a HomeLab your data is stored in your own Home.

Future Teachers

Documentation on any project has always been made to teach users about a certain topic, how to build something or

We always say in the future, but actually today there are already

We have all experienced the rise of LLM's and AI in all aspects of our lives and it constantly growing.

Open tutorAI

deeptutor.info

ANYTHING LLM

1. Who is this for ?

> This Bookstack intance is intended to be for people who want to start their own **home lab** or help others to build one i.e for **Deternet Installers.** This instance is not for developer tools, databases and storage, Networking and infrastructure tools, but only for people wanting to replace the famous Big Tech apps on their devices.

Well, this Bookstack instance is for people who are already motivated by open source and understand that is most likely the best option we have for a collaborative global society. Now, this specific instance is focused on only one sector of the five pillars of a global digital commons namely the *software* section. Also the software that this instance is focused on is user end applications that can be installed and used instantly to replace a proprietary application. If you are interested in the other sectors then please visit them by clicking on the links below

- Deternet Telecom
- Deternet Hardware
- Deternet Datacenters
- Deternet Power

The goal is literally to show the layman the different open source applications that are out there and how they can deploy them on their own server at home in the simplest way possible.

How to use this Bookstack instance.

The end goal for any user of this instance should be to build and maintain your own home lab and learn the skill to install any open source application on top of it. This whole guide is written for people that have zero knowledge about tech but do want to host their own applications because they feel the urge to contribute to the broader mission. Again that mission is to create an inclusive collaborative instead of a competitive unequal society. The instance is created and maintained by all kinds of people that all have the goal to write installation instructions as simple as possible for the layman.

Now, what are the next steps then ? Well, most likely you heard about Deternet via a friend or through a blog or social media post and became curious to host applications yourself and relieve yourself from Big Tech. Of course we assume that you start with nothing and created a guide exactly for that.

If you really have no background then is important to use this guide in the right order. Therefore, we labeled different shelves with numbers. If you start with 1 and then work your way downwards then you will always have gained the knowledge or setup necessary to understand the contents of the next.

1. You will start by buying the right hardware to setup a home network
2. Once that is setup we will show you what you can possibly buy for a home server
3. Then we will explain to you what operating system to choose for your server
4. After that we will show you different application deployment workflows i.e an easy way to deploy any application in seconds
5. Then we will talk about maintenance, updates, and backups of the data of your application
6. Finally, after all of that you can start using the Shapps Book or the Google, Apple, Microsoft etcetera books to discover which applications you can replace and how to replace them
7. This basically then concludes your journey, since from this moment you can hear about new open source app and you know directly how to deploy it in minutes, how to maintain it, and how to secure it.

Specifically, this collection is focused on the Home Lab i.e people that host their applications at home on a small/big server to replace all their proprietary applications they have on their devices. On top of that once you get a bit more advanced you can even let other friends and family use your server as well s.t you can maximize the resources that you have. By using we mean here or they can host their own apps or they can just get accounts on the apps that you host. It must be said though that it is recommended to only let people create accounts on your hosted apps if those apps are also **E2EE** s.t they can trust that you cannot access their private data. If an app is E2EE will always be mentioned on the documentation page by using a **TAG** and in its description

2. Other Open Source Alternative Websites

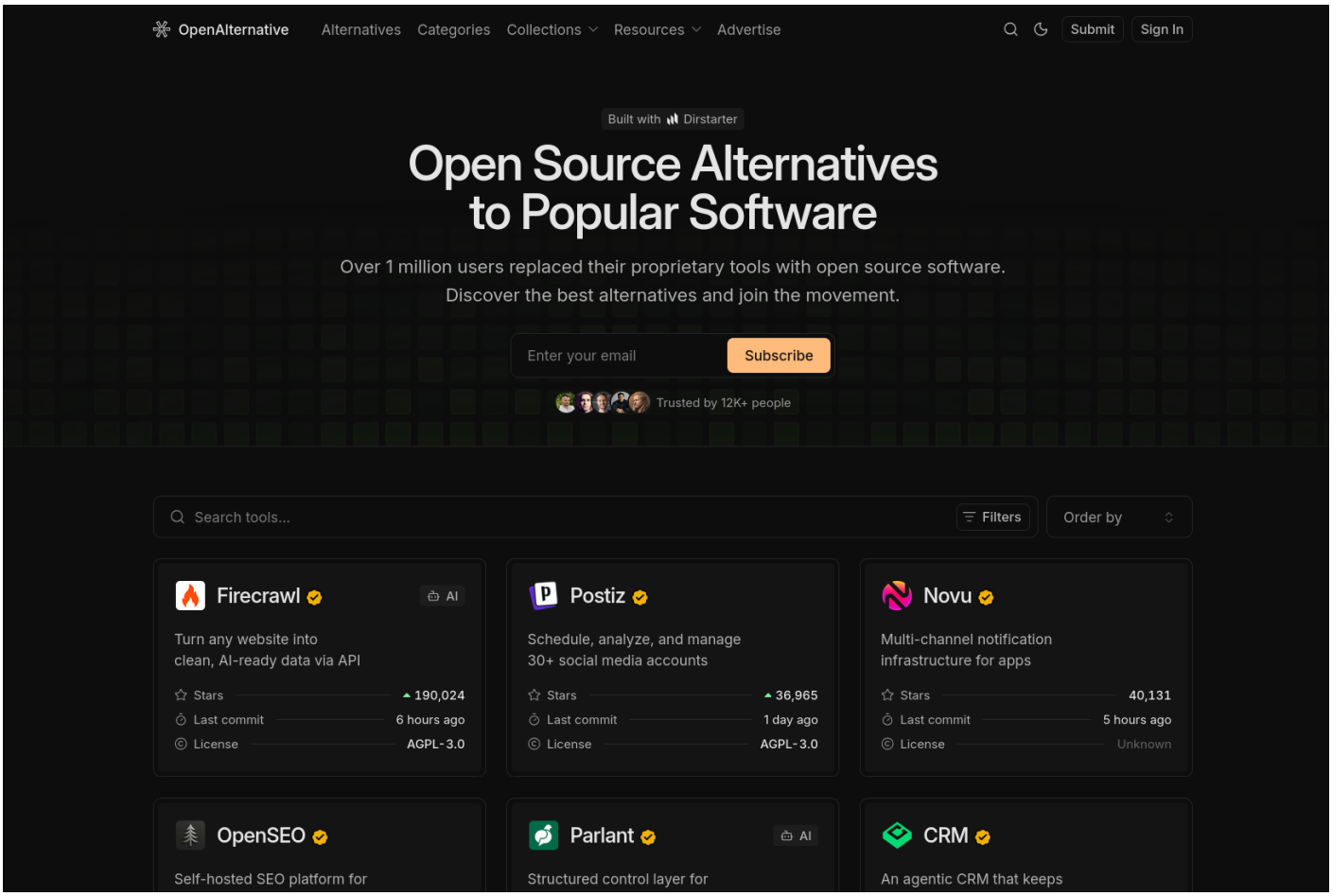
Now, this bookstack instance is definitely not the only project that promotes open source projects. There are tons of blogs of great instructors that have dedicated a large part of their time as well to make it as easy as possible to install open source software at home. Besides that there are also centralized websites that show alternatives to almost any application you can think about.

Now, most of the open source alternative list websites are pretty similar, since they are mostly based on the information provided by Github. If you click on an application then you will find

1. A small summary of what the application entails
2. Links to the repositories
3. GitHub Links
4. Some tags that refer to what the app can do

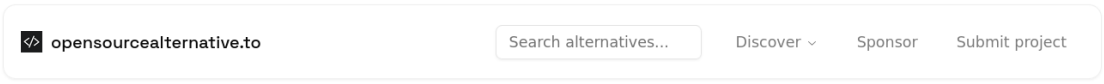
However, they do not provide documentation on the installation of these applications or hick ups people have during installation or use. Yes, most of this is discussed on the community pages or repository pages of these applications but we try to give people a central place where people can edit an instruction manual like a Wikipedia page. It is constantly changing and updating and everyone can contribute not only the main developers of an application.

OpenAlternative.co



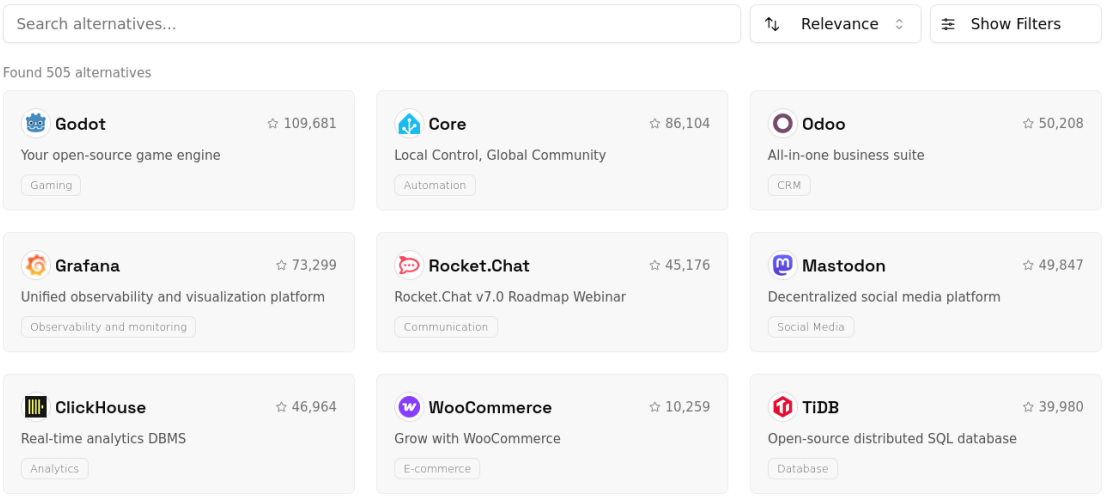
OpensourceAlternative.to

Sponsored by Octolens — The #1 Social Listening Tool Built For Developers Learn More

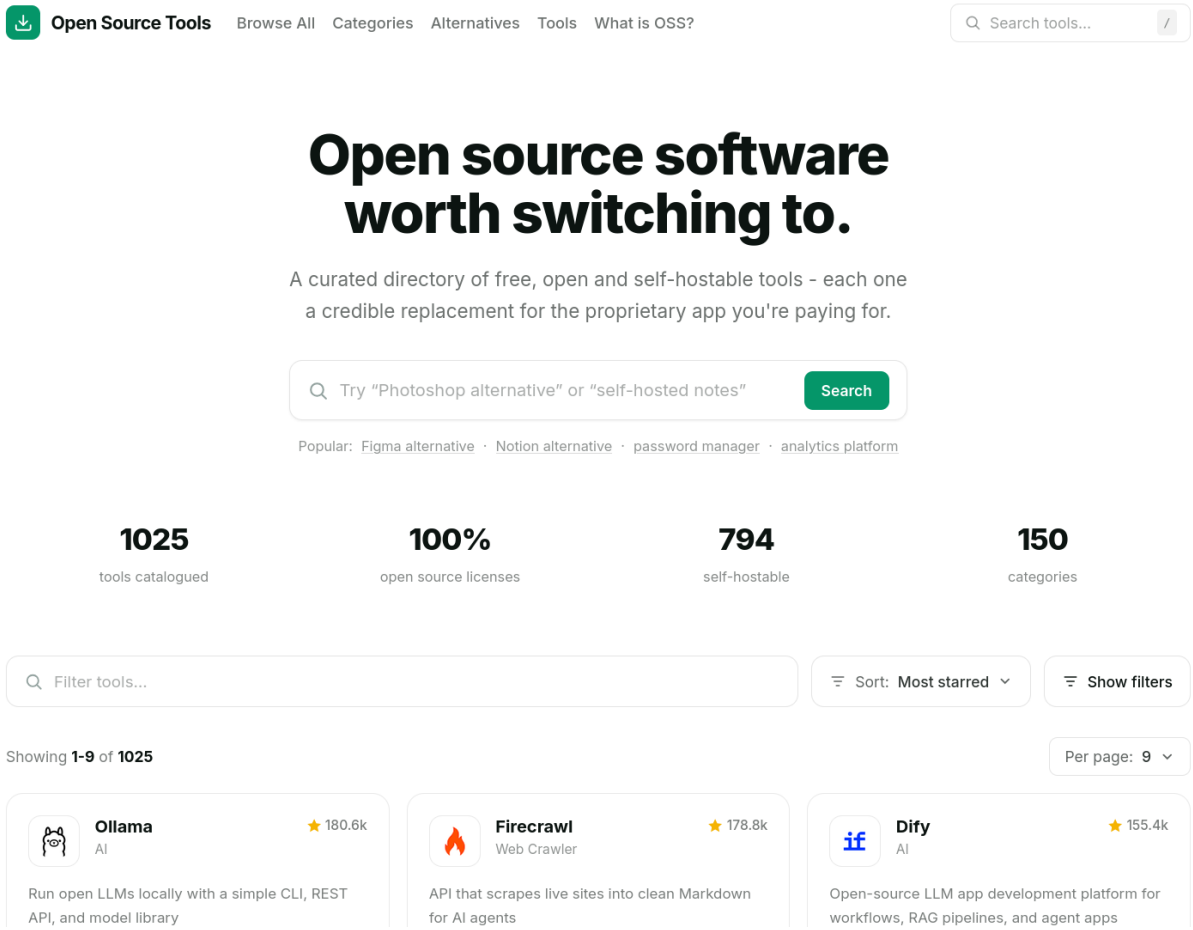


Open Source Alternatives To Proprietary Software

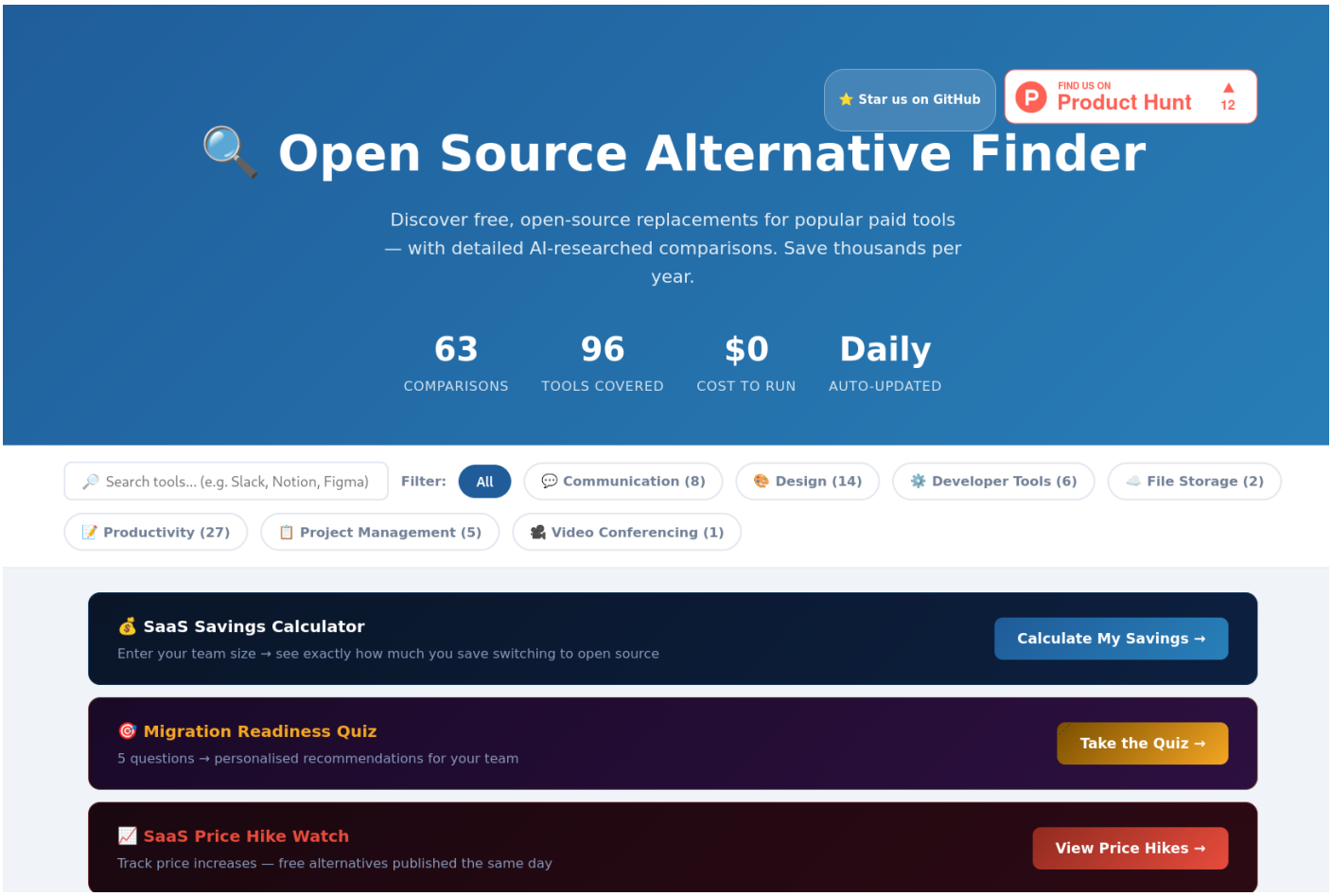
Over 2 million users replaced proprietary software with this directory.



Opensourcetools.org



OSalfinder.com



Now as you will see in the Shapps shelf there are a ton of open source documentation software out there and please check them out. However, after trying out lots of different ones it seemed that they were either all made for

1. For Private teams
2. It did not have user account permissions
3. All contributions needed to be done in the command line
4. It seemed to complicated by structure compared to Bookstack who only has a consistent hierarchy of 4 layers.

This Bookstack instance is not for developers or any person involved in computer science or AI. However, they are of course invited to contribute to the instance.

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Therefore, we made a shelf for each Big Tech company including the applications they have produced. The idea is that people can search for their favorite proprietary app, find it, and then directly get a list of p

1. This instance is not for developers, network engineers or any form

3. literally for people who want to replace there proprietary apps they normally use with Google, Microsoft and Apple. It is not intended to be for developers or coders or network engineers. We have written this documentation page literally for the Layman who have zero knowledge about self hosting applications.

3. Shelves of Proprietary Apps

On this instance several shelves have been dedicated to the largest Big Tech application companies in the world i.e Google, Apple, Microsoft Amazon, Meta, etcetera. Besides that we also included a shelve of other Big Tech apps that are dominant but do dominant their specific markets like Spotift, Airbnb, Uber etcetera.

The goal of these selves is the following

1. Let users quickly find the apps they are familiar with such that they learn which open source apps exist to replace their proprietary counter parts
2. Make people understand the vast amount of apps and businesses these Big Tech corporations own. Even though most people already know that these Big Tech companies own many subsidiaries it is great to get and overview of them and also linked to open source replacements
3. It does not only focus on apps that can only be replaced with just an app, it also focuses on apps that dominate the physical world as well such as Food apps, Work apps, House finding apps etcetera.
4. Also each application has the name of the Big Tech corporation in front of it such that it is easier for people to search for their apps and it makes it directly clear to which BT company the app belongs to.
5. Finally, the BT shelves and the open source by category shelves are representing applications that organizations and the common man can directly use. It is not open source software for developers. For that you should look at the Deternet Datacenter instance.

So, yeahh that's kind of it folks ;)

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