Links de aplicativos open source

- [Cool SHIT you can do with DOCKER (for your home lab)](#)
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Cool SHIT you can do with DOCKER (for your home lab)

Link: https://levelup.gitconnected.com/cool-shit-you-can-do-with-docker-for-your-home-lab-af857dfc206d

·Oct 27, 2024

Docker is the most revolutionary tech when it comes to containerization. Mainly because it's fast and ensures that the app runs flawlessly in differents environments with zero configurations (or minimal configuration depending on the needs).

In this blog we are going to discuss the different ways you can use docker for your homelab.

> **"** Reader Note: This blog is arranged in the sequence of more commonly used to more advanced and interesting things you can do with docker.

What is a homelab?

If you are new to concept of the homelab then to explain it simply it just a server running on your private network (you can also assign a domain to it) to host services like pihole, ad guard (both of which blocks ads), nextcloud (to host your own cloud server), jellyfin (to create your own youtube or media server) et cetera. Most of these will be discussed in this blog. So LET'S get right into it:

Downloading Docker:

Obviously you have to install docker for doing any of the below

1. Choose Your Operating System:

- Docker supports Windows, macOS, and Linux. Visit the official Docker website (https://www.docker.com/) to select your OS.

2. Download the Installer:

- Click the "Get Started" button and follow the on-screen instructions to download the appropriate installer for your system.

3. Run the Installer:

- Double-click the downloaded installer file and follow the prompts to install Docker.
- **Note:** On Windows, you might need to restart your computer after installation.

4. Verify Installation:

- Open a terminal or command prompt and type `docker --version`. If Docker is installed correctly, you should see the installed Docker version.

Additional Considerations:

- **Docker Desktop:** For Windows and macOS, you might be prompted to install Docker Desktop, which includes Docker Engine, Docker Compose, and Kubernetes.
- **WSL2 (Windows Subsystem for Linux):** On Windows, you might need to enable WSL2 for optimal performance.
- **Rootless Mode:** For added security, consider using rootless mode, which allows you to run Docker without root privileges.

Remember: Always refer to the official Docker documentation for the most up-to-date instructions and troubleshooting tips.

Extra Resources:

One last thing before getting into the cool stuff is that you should be familar with <u>linux file system</u> and <u>docker</u> (click on them to go to the linked videos)

1. Nextcloud | you personal Google drive:

I have seen people who use google drive or google photos to store their memories and important work which eventually run out storage. When that happens you only have two choices either delete some of your data or pay for extra storage. This is where **nextcloud** comes in.

<mark>Nextcloud is like google workspace but self hosted and opensource. It has the following features:</mark>

- Nextcloud
- High performance backend for Nextcloud Files
- Nextcloud Office (optional)
- High performance backend for Nextcloud Talk and TURN-server (optional)
- Nextcloud Talk Recording-server (optional)
- Backup solution (optional)
- Imaginary (optional, for previews of heic, heif, illustrator, pdf, svg, tiff and webp)
- ClamAV (optional, Antivirus backend for Nextcloud)
- Fulltextsearch (optional)
- Whiteboard (optional)
- Docker Socket Proxy (optional)

If you do the math the *"Basic"* google subscriptions costs "*1.99$*" which is about *20$* yearly and with that amount of money you can get a new *1 terabyte hard disk (*it may cost more but it will definately pay off in a year or two*)*

You can find the download guides it <u>here</u> or if you are a dumbass like me <u>here</u> is a video for you.

2. jellyfin | your own media server:

Let's say you have a lot memories and movies **(pirated, hope I'm not the only one!)** and you want to access from anywhere in the world (or your home network) without pluging a USB in the back of your TV then you can use jellyfin.

You can find the instructions (to download and use it) [here](#).

Or if you want to locally on your windows or mac machine (with no involvemnet of docker) you can view the instructions [here](#).

> " Reader Note: Ususally there are two versions of docker images one by [linux server](#) (which I highly recomend you to visist for more cool stuff) and other is officially by the creaters themselver however the configuration of linux server docker images are different.

3. Affine or obsidain | host your own notetaking app:

Ever wished that you had access to your notes form anywhere without paying a scent while also not giving your data to a '**sus'** company which uses that data to **make money (by selling it)** and give personalized ads and also train some **AI model** (to all the programmer write bad open sourse code to poison the AI models' training).

Then **Hosting** your very **own** note taking app is the best option. This is useful because if you are a perosn like me who uses multiple devices then you can access that (note taking) app from your browser.

Two of the most popular open source note taking app are [affine](#) (basically [notion](#) but open source) and [obsidian](#) (which stores notes in markdown).

Both of these have pros and cons like obsidian has a learning curve while affine is easy to use (almost like notion at this point). Affine stores data in a database while obisidian stores data on you pc in markdown file (which is easier to backup and setup).

Here are some video tutorials to help you get started with obsidain:
https://youtu.be/cBzc5r-FNW0

> A video on how to get started with obisidan

4. Locally Hosted AI models

Lets say that you have no internet or chat gpt is not currently up and running (mainly due to high demand) and you despirately need it. Then running an AI model locally on your computer is the best option. If you didn't knew that was possible then you'll have a working proof of this after reading this.

> " Reader Note: Although it will work on windows it is recommended that you run it on a linux OS like debian or ubuntu or wsl linux (use **kali linux** with kex for a **GOAT**ed wsl linux experience but not for this **AI hosting stuff**).

So what you need to do is go to <u>this</u> github repo and run the docker compose file (shout out to @ <u>WolfgangsChannel</u> on youtube who made it)

To integrate it with your code editor you can use use the <u>continue</u> plugin (click to see the full docs).

If you want a video tutorial then <u>here</u> is a video by @<u>WolfgangsChannel</u> and <u>here</u> is a video by <u>Network Chuck</u>

5. Pi-hole | block ads and speed up internet

Some people don't have access to very fast internet. To increase your internet speed there are only three ways

1. Change the DNS server

2. Contact your ISP and upgrade it
3. Use an ad blocker

But the problem with ad blockers is that most websites have ad blocker blocker that prevent you from using it.

So to solve this problem there is Pihole. How it works is that it acts like a DNS server but blocks all the ad sites and trackers making browsing on the internet much smooth. Also you can block websites with it.

> " Reader Note: A DNS server is recomended to run all time so you should definately install pi hole on a Raspberry Pi (mainly because it consumes less power) or any other machine that is ON 24/7.

6. Run virtual machines (I'm not joking)

It justs runs virtual machine that you can access over your private network. That's all what it is. Here is a link to a kali linux docker image. Personallt I find the idea of accessing virtual machine from any device on the private network to be quite cool ⬜⬜.

7. Libre Office | microsoft office but Open Sourse

Microsoft office is expensive and not every one can afford it. There are some online alternatives like google docs or google sheet but they along with other harvest our data. So to solve this porblem we have libreoffice. Its a grate alternative to microsoft office.

Reader Note: There is another version of libre office that runs on the machine with no need of docker. If you want it click here.

8. Danger Zone

Danger Zone is software that scans file for viruses in a sandbox (can't interact with the out side). This is useful if you want to open a pdf (becuase you are curious) but also don't want your computer to get infected. Click here to view the guides.

> " Reader Note: When you click download danger zone for windows it will download a msi file and you have to run it and it will install in docker (I'm telling this so you don't get confused)

Thats it for today guys hope you like it. It took a lot of effort and back and forth to write it. If you have any questions leave them in the comments and please follow for more content like this.

Creating my first home server

Link:

==As someone who works in software and product, I've been learning more about the hardware/infrastructure side of computing in recent months. Even if the knowledge doesn't *directly* impact my day-to-day, I think having a decent understanding of general computing is a helpful skill set to have in my line of work.==

I decided that a good place to explore would be to try to make a budget-friendly server for my home.

My first thought was to use a Raspberry Pi Zero 2 W as a Pi-hole server. This did technically work, but it was slow, clunky, and couldn't really run any other services. It didn't make a lot of sense to me to have an entire machine (even one as small as a Pi Zero) for just one service.

I then looked at a broken laptop I had laying around, an old HP notebook g5 250 with an i5 inside. I hadn't used it in years for a couple of reasons: the battery died, the second replacement battery died and the hard drive died. It wasn't looking too healthy. But if I could get it up and running, it would be a perfect low-energy server to run multiple services on. So I set about to fix it!

Fixing the laptop

Replacing the hard drive

Luckily for me, I had another dead laptop around, an Acer V5 (I live in a graveyard of tech I can't bring myself to throw away, I'm sorry). I managed to pull the old 2.5" SATA drive out of the Acer and popped it into the HP. This ended up bringing another use case into my server build... I found a bunch of old films on the drive, backed them up, and will use them in my server build (more on this later!)

Replacing Windows with Ubuntu

This is going to be a controversial take... The drive I popped into the HP had Windows 8. Now, I could have updated the Windows operating system (OS) or kept version 8, but I wanted a lightweight OS for a laptop that had aging hardware and only a 750GB hard drive. Especially as one hard drive is used as both storage and as an OS boot. So I decided to go down the Linux route. I chose Ubuntu as it seemed like a good beginner's choice as I've not used Linux before.

It was a simple process. I downloaded the ISO file for Ubuntu, flashed it to a USB drive using Rufus, popped the USB drive into the laptop, booted into BIOS on the laptop, and installed the OS.

The techy folks among you may wonder why I went for Ubuntu Desktop over Ubuntu Server if I was going down the Ubuntu route for a server anyway. The simple answer is that this is my first rodeo, and I wanted a GUI for ease of setup and maintenance. I once learnt a valuable acronym from one of my software engineering lecturers and often repeat it to myself: KISS. Keep it simple, stupid.

Scrapping the battery altogether

This is a bit of a risky move, but replacing the battery with an official HP one (I previously bought a cheap third-party battery, and it went down like a lead balloon) was out of my budget for this build. I wanted to use what I already had, and I plan to keep this server running 24/7 anyway so I just kept using power from the wall.

Setting up the server

When I was researching small server setups, I came across a product called a Zima Board and its GUI system, CasaOS, an open-source software that can easily run on Linux.

Casa is the perfect beginner's introduction to server management. After getting my laptop's configuration set up for 24/7 power, I installed Casa in the terminal (Side note: The ease of the terminal and its commands in Linux is super impressive compared to Windows).

I had a bit of trouble at first as the installation of Casa is supposed to let you know at the end what IP address you can use to access it. This never came up for me in the terminal for some reason, but luckily I ended up finding the IP in my router's event log.

Now Casa was installed and running on my system, all I had to do was pick which apps to download and research others. Casa is basically a visualization of Docker containers. I've had some basic experience with Docker before, and I love how lightweight and simple it is to run services through. Casa makes it even easier.
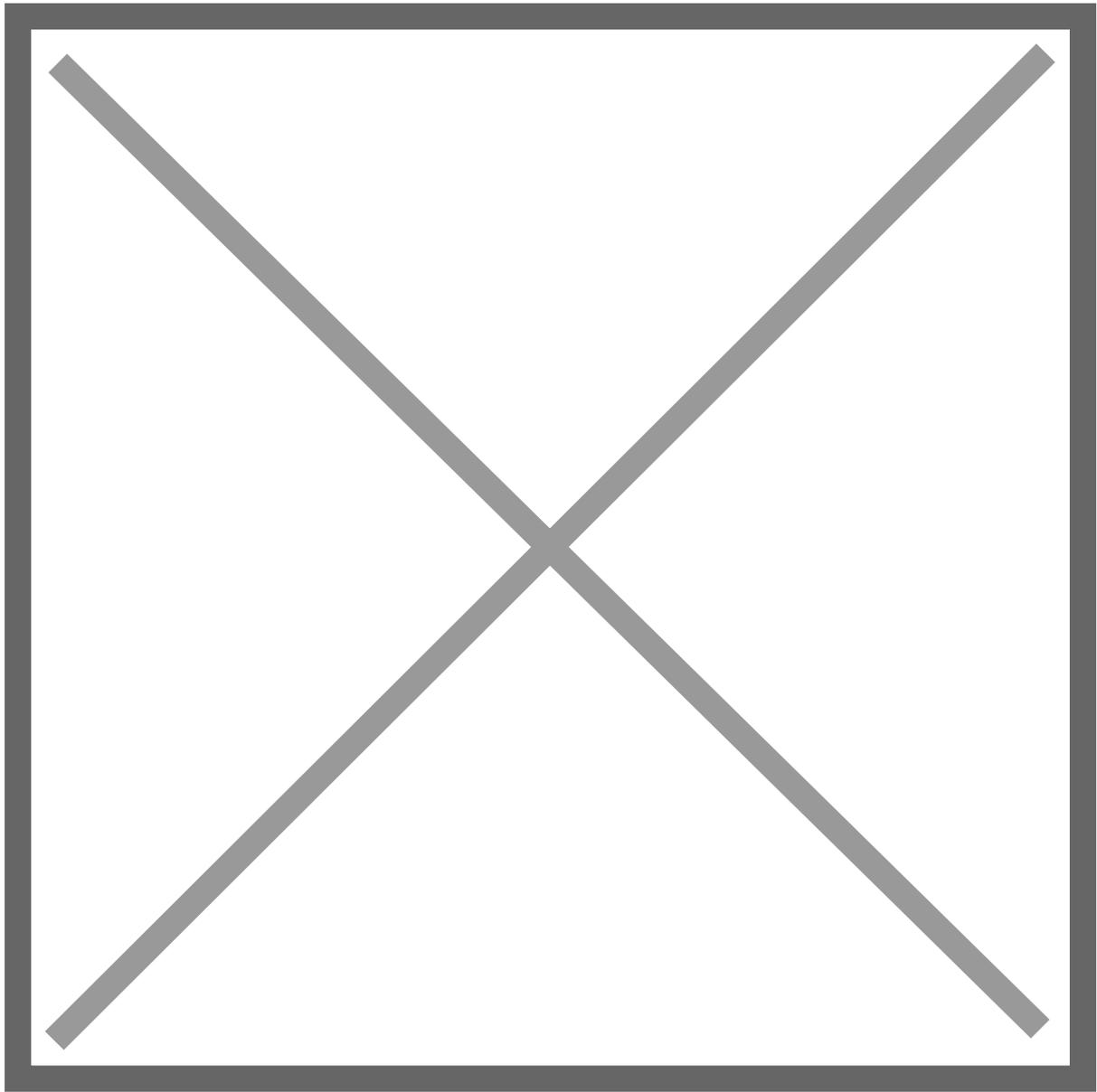
My server dashboard

I also appreciate how sleek and beginner-friendly the dashboard of Casa is. And because it's hosted on its own IP, I can access the dashboard (and by extension, all the services running on the server) on any device in my home connected to the internet. Once I set up the system, I accessed the IP on my smart TV and did the rest of the setup from the comfort of my sofa!
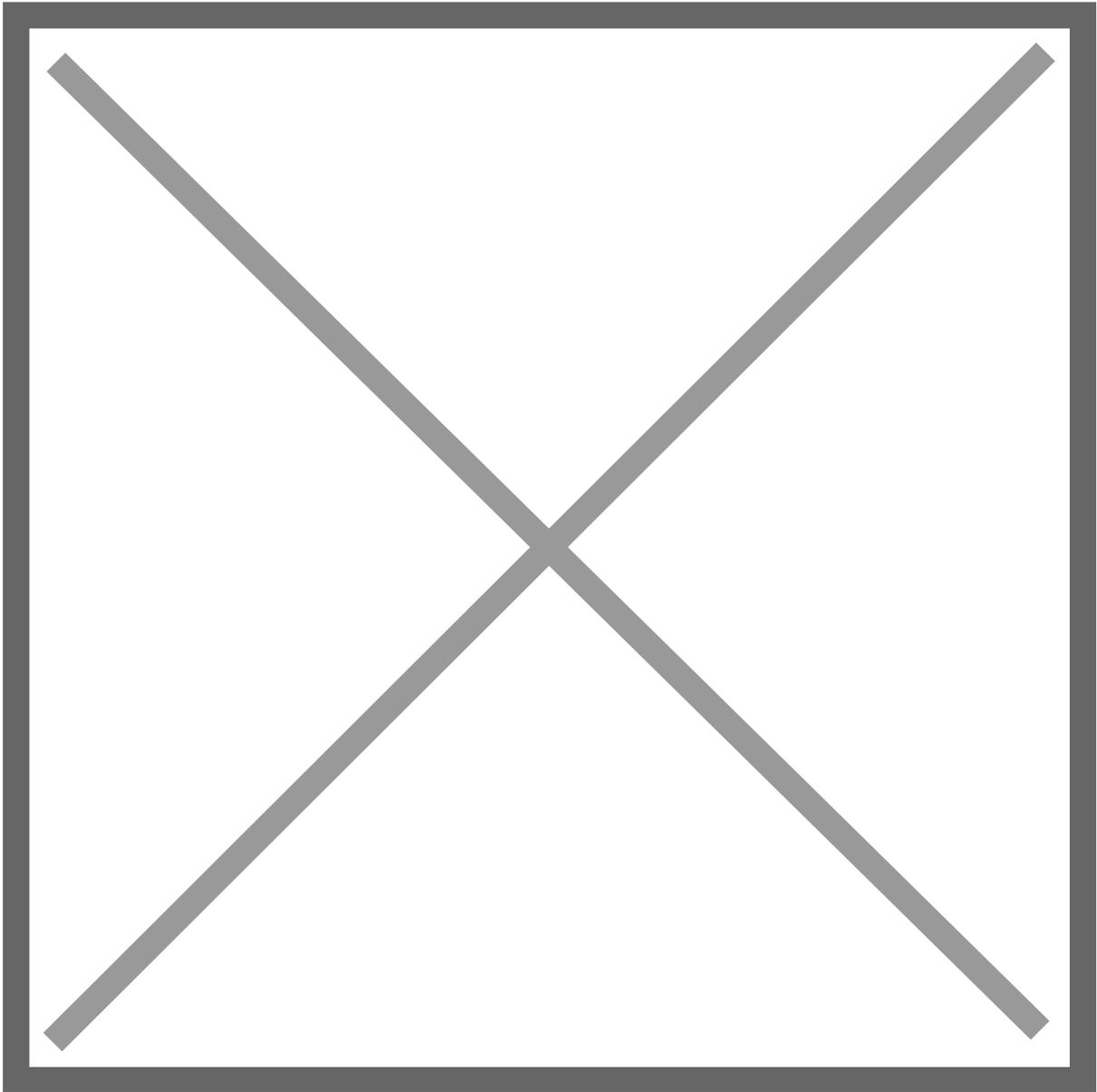
My dashboard server on my lounge TV

What services I'm running

- **Pi-hole** — a network-wide ad blocker.
- **Jellyfin** — a media player that offers a Netflix-like experience for your own media files. This has been an absolute game-changer for those old film files I had on the hard drive. I'm really pleased I can use this system as a media server through this service.
- **qBittorent** — for torrenting files.
- **Wireguard** — this is a VPN protocol, but I've had trouble with its configuration so I need to give this another shot.

Future improvements

- Definitely reconfigure/find an alternative to Wireguard.
- I'm stuck between increasing the storage on this device or getting a separate NAS for storage.
- Exploring the world of Docker more. While Casa comes with a bunch of 'apps' that easily set up Docker containers for you, you can do custom installs of any Docker services too.
- I'd love to host a website on the server.

Links de sites e videos de aplicativos open source

Link: (264) Testei 17 Apps de Terminal Linux, esses são os melhores - YouTube

Logos e icones - https://logosear.ch/search.html?q=jitsi

Top 11 Open-Source Admin Dashboard Projects on GitHub

Link: https://medium.com/@nocobase/top-11-open-source-admin-dashboard-projects-on-github-e58b902ee645

Dec 27, 2024
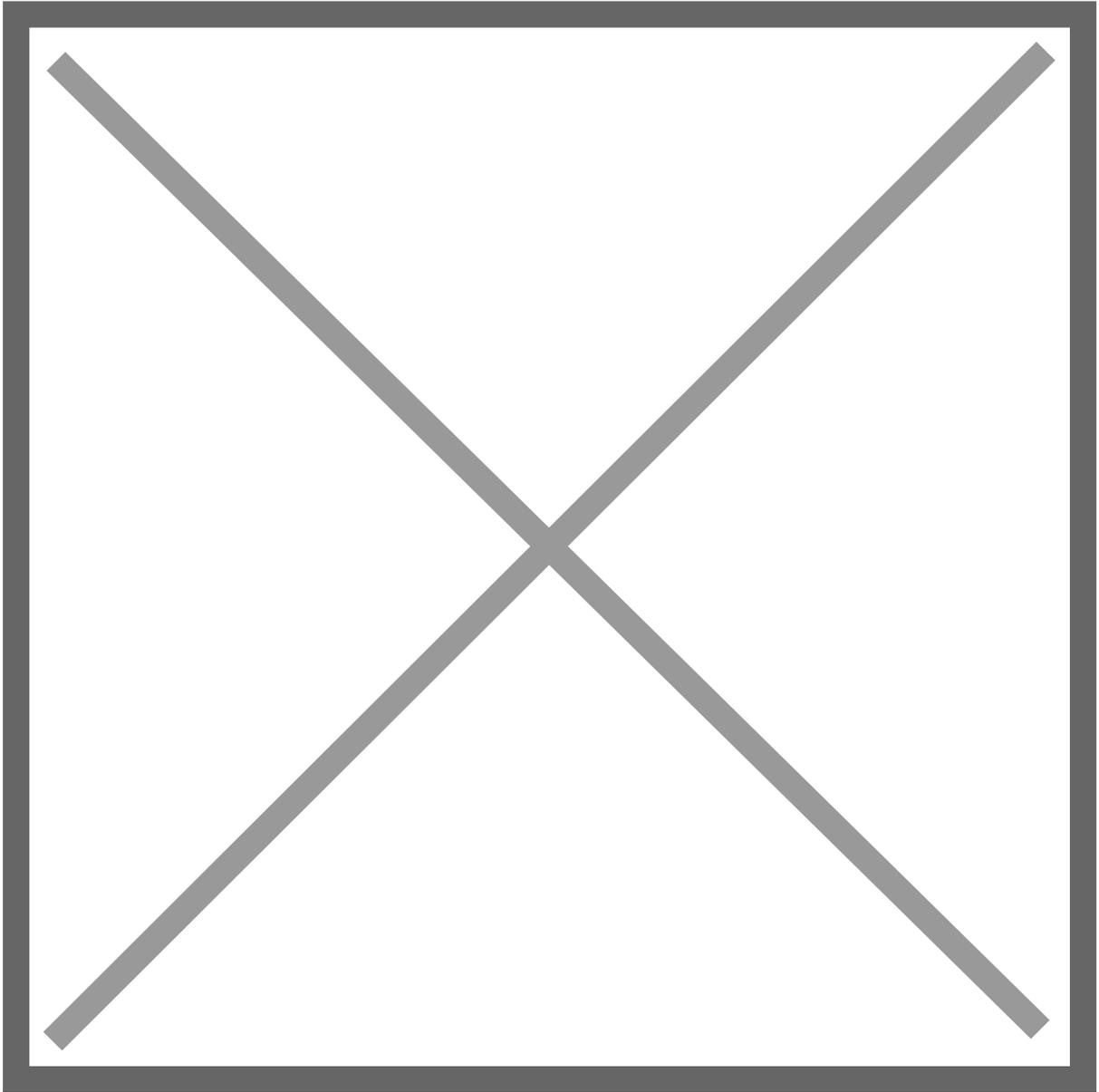
Originally published at [Top 11 Open-Source Admin Dashboard Projects on GitHub — NocoBase](#).

For developers managing data or handling project workflows, this article is your go-to guide! If you're looking for an efficient and easy-to-use admin dashboard solution, you'll find plenty of inspiration here.
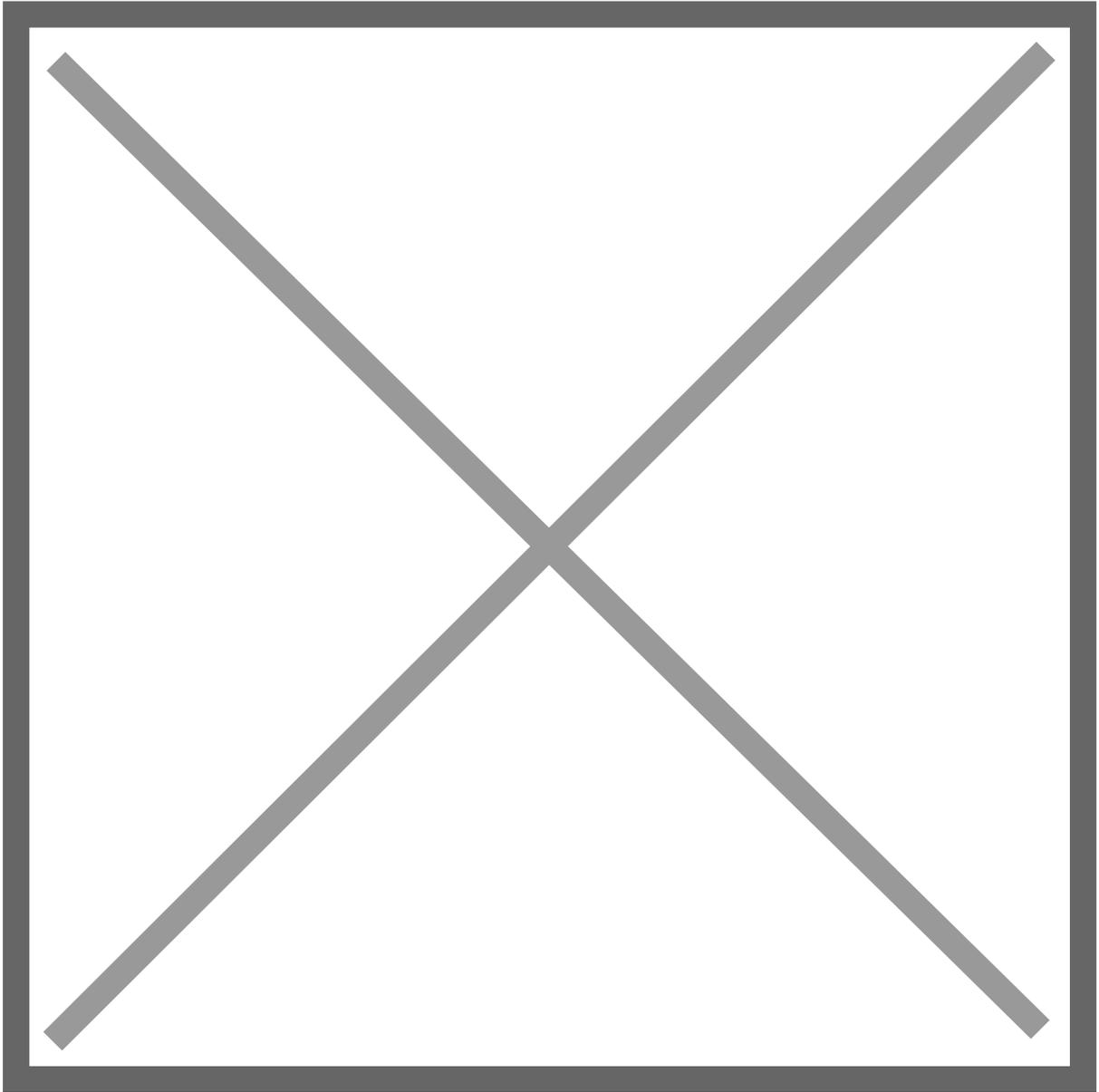
Admin dashboards are pivotal in modern business operations and enterprise management. They provide an intuitive interface for real-time data tracking, process management, and workflow simplification. A great admin dashboard can boost efficiency, enhance decision-making, and cut development costs.

Key features of an ideal admin dashboard include:

- Intuitive User Interface: Designed to be straightforward and easy for non-technical users.
- Customizability: Allows users to tailor modules and features to specific business requirements.
- Powerful Data Visualization: Equipped with versatile charting and analytics tools to present data effectively.
- Scalability: Supports seamless integration with third-party plugins and services.

Open-source admin dashboards offer rapid solutions for building management interfaces, combined with transparent code and vibrant community-driven improvements.

Benefits of open-source admin dashboards:

- Flexibility: Fully customizable functionalities and designs to suit unique project needs.
- Cost Savings: Free to use without licensing fees, significantly lowering development expenses.
- Community Backing: Extensive documentation, active support, and a rich plugin ecosystem maintained by global developers.

To make your search easier, we've curated the top 11 most popular admin dashboard projects on GitHub. Explore these tools and find the one that suits your needs best! Rankings are based on:

https://github.com/topics/admin-dashboard

#11: NocoBase

⭐ Stars: 13k

GitHub Link:https://github.com/nocobase/nocobase
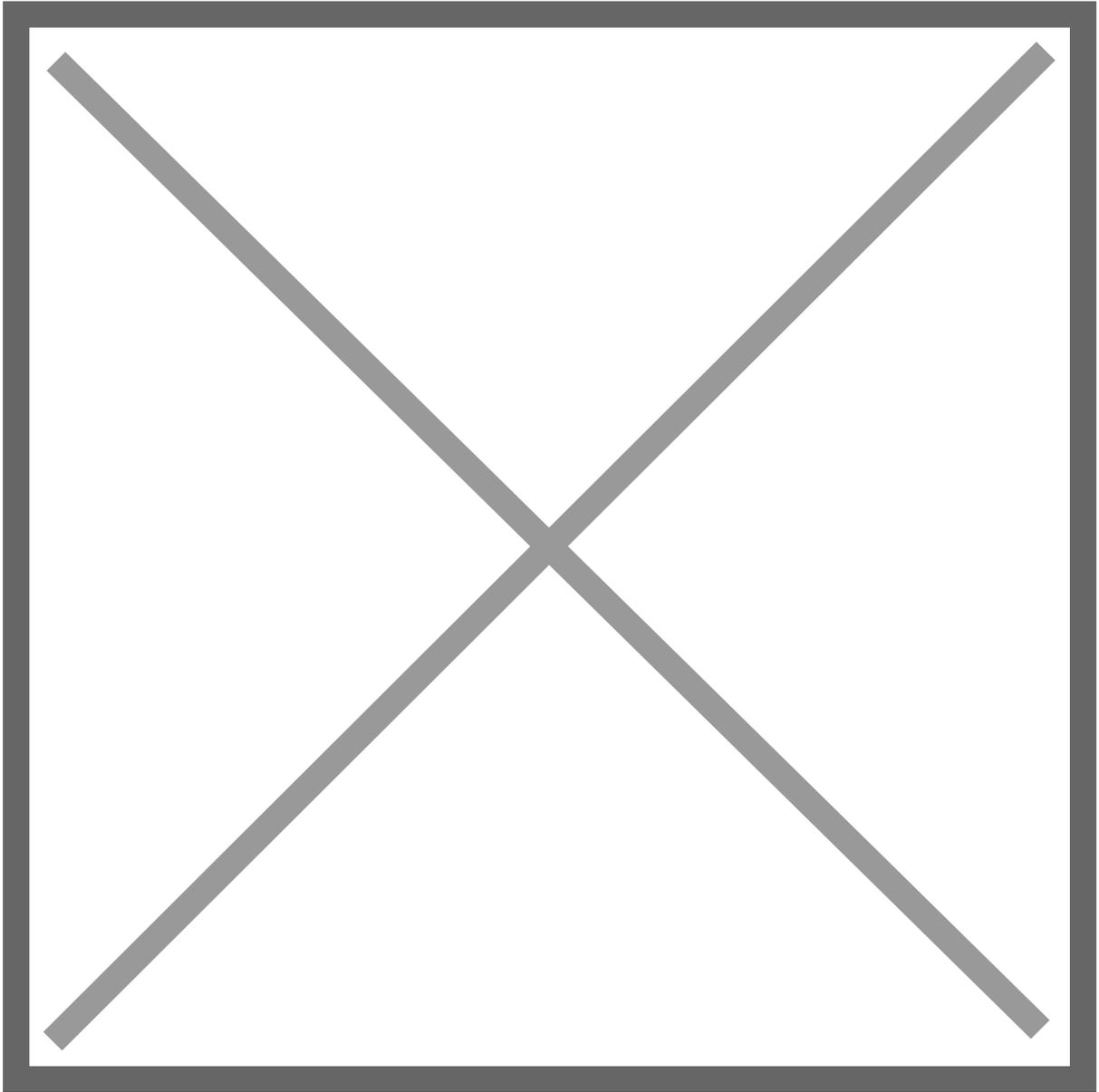
NocoBase is a versatile open-source no-code development platform, perfectly suited for building flexible and scalable admin dashboards. Centered around a data model-driven approach, it allows users to construct complex data structures with ease while integrating advanced permission management and workflow automation tools. This empowers developers to efficiently create robust, user-friendly management systems for a wide range of applications.

Why Choose NocoBase for Admin Dashboards?

- Flexible Data Modeling: Effortlessly create complex data structures tailored to your business needs.
- Visual Page Builder: Drag-and-drop components using an intuitive WYSIWYG editor to quickly design layouts and functionality.
- Extensible with Plugins: Add features easily via plugins, enabling seamless customization without modifying the core system.
- Advanced Permission Management: Multi-tiered access controls ensure security and precise user permissions.

- Automated Workflows: Simplify and streamline processes with a powerful visual workflow engine for automation and collaboration.

Who Should Use It?

NocoBase excels at creating admin dashboards that integrate data from multiple sources for dynamic management and visualization. With its plugin-based architecture, it supports integration with databases, third-party APIs, or local files, creating a unified platform for streamlined operations.

For instance, an organization can use NocoBase to consolidate financial, sales, and inventory data, presenting it all on a single dashboard for centralized management and real-time insights. This dramatically improves efficiency and ensures transparency across departments.

Whether it's a dynamic monitoring dashboard or a collaborative management interface for cross-departmental workflows, NocoBase's modular and customizable design makes it an ideal choice for businesses looking for scalability and ease of use.

📖 Further Reading: [Simplified Architecture Governance: Building an Application Catalog with NocoBase](#)

#10: APITable

⭐ Stars: 13.5k

GitHub Link:https://github.com/apitable/apitable
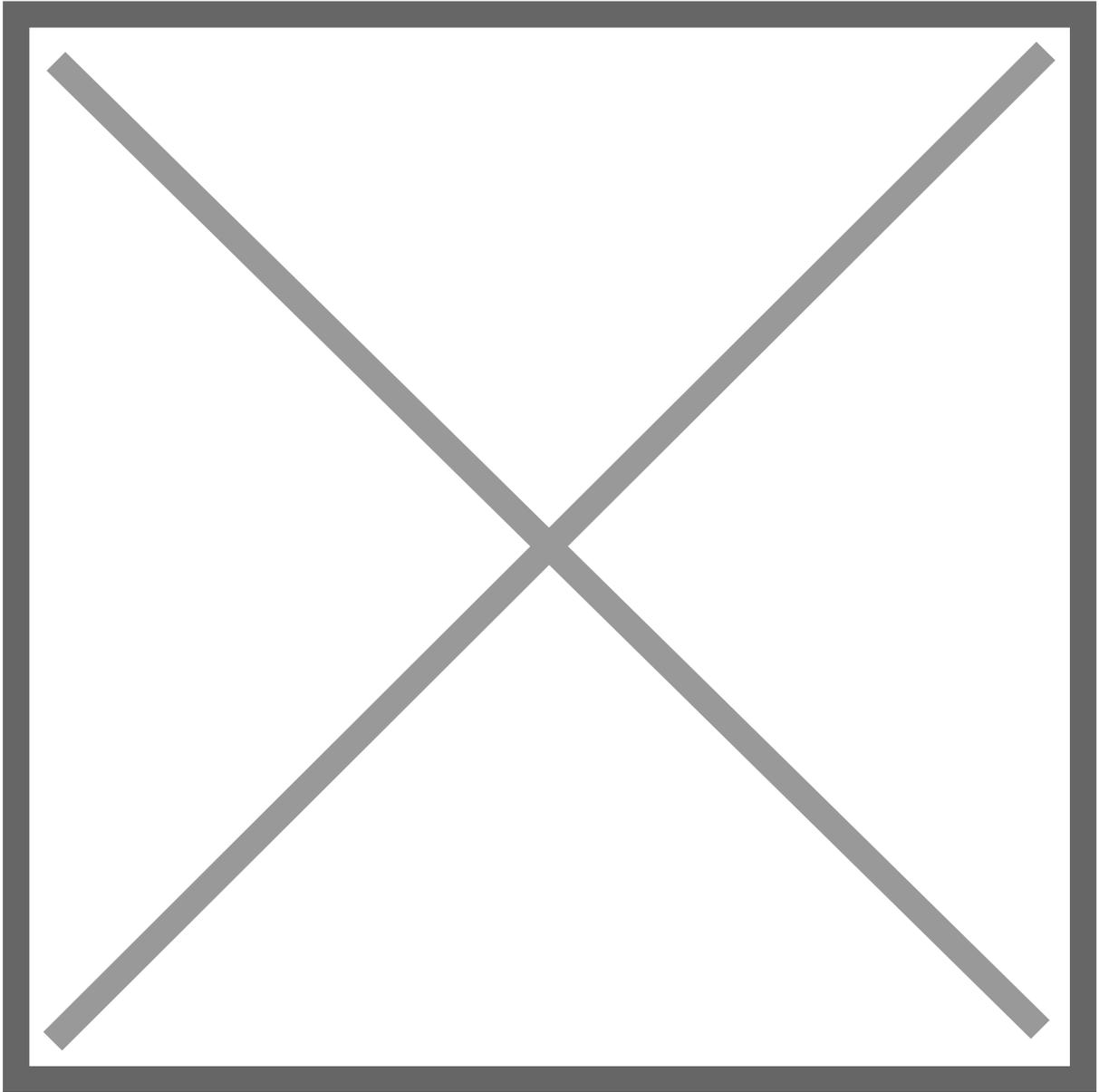
APITable is an innovative open-source tool that combines the functionality of spreadsheets and databases, making it ideal for creating flexible admin dashboards. It simplifies complex data management and enhances collaboration through powerful API integrations.

Why Choose APITable for Admin Dashboards?

- Spreadsheet-Like Ease of Use: Enjoy the familiarity of a spreadsheet interface while leveraging advanced database capabilities for seamless data handling.
- Dynamic API Integrations: Connect effortlessly to third-party tools and data sources to build interactive, data-driven dashboards.
- Multiple Views: Switch between table view, kanban boards, and Gantt charts to adapt to diverse project needs.
- Real-Time Collaboration: Collaborate with your team in real-time, ensuring synchronized updates and streamlined workflows.
- Secure Access Control: Customize permissions to maintain secure and efficient data access for team members.

Who Should Use It?

APITable is perfect for teams that rely on spreadsheets for managing data but need enhanced visualization and integration capabilities. Its multi-view support and seamless API connections allow teams to manage and display complex data intuitively.

For instance, a project team can centralize task tracking, time management, and communication tools into APITable. They can then use Gantt charts or kanban boards to monitor progress and streamline task allocation. APITable's versatility makes it an excellent choice for creating user-friendly and collaborative admin dashboards.

#9: Vue-Admin-Better

⭐ Stars: 17.1k

GitHub Link:https://github.com/zxwk1998/vue-admin-better
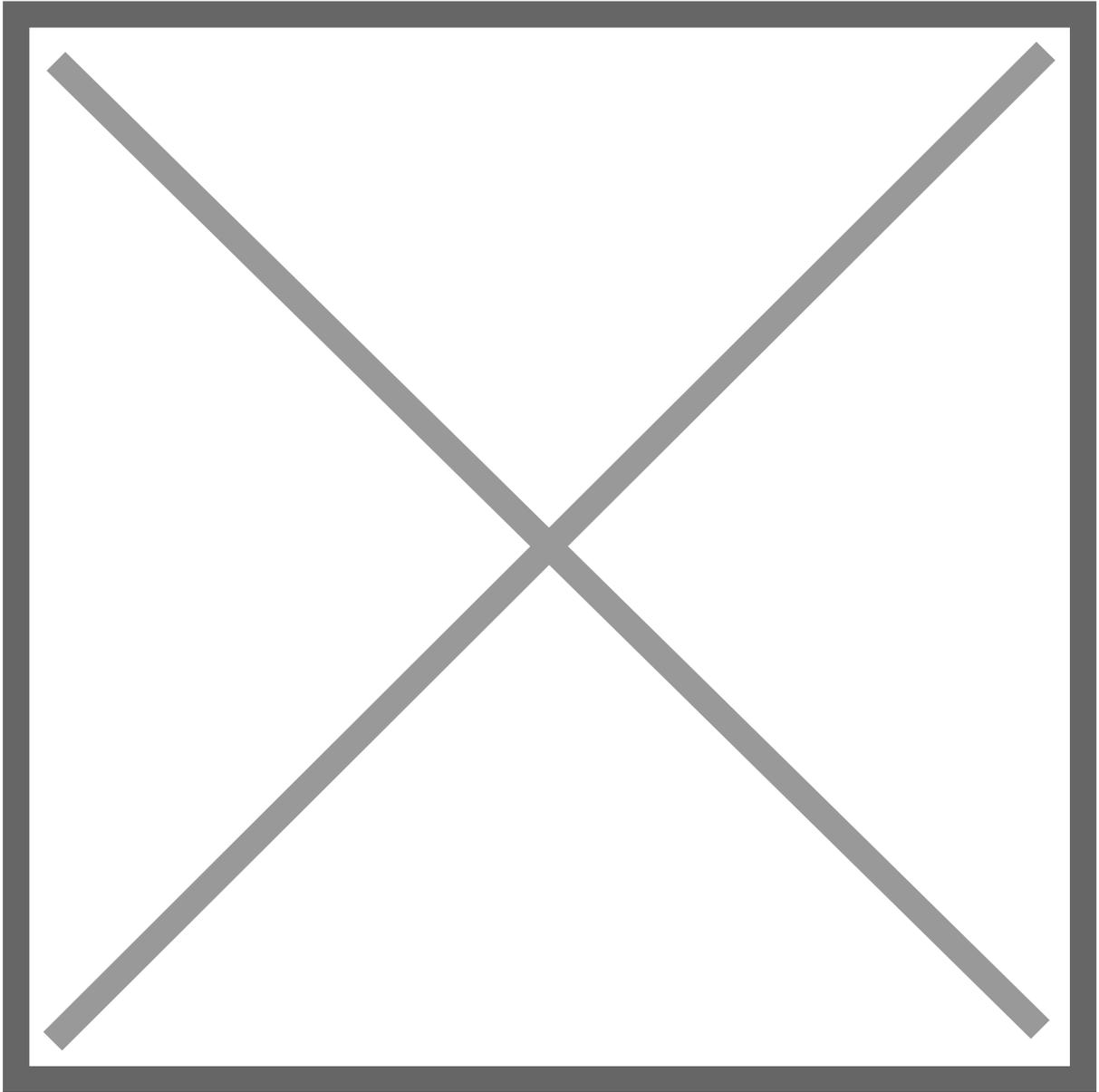
Vue-Admin-Better is a feature-packed open-source admin dashboard solution built with Vue3 and Element-Plus. Designed for rapid development, it is especially suited for small to medium-sized projects focused on Chinese-speaking users.

Why Choose Vue-Admin-Better for Admin Dashboards?

- Modern Tech Stack: Powered by Vue3 and Element-Plus, offering a lightweight, reactive, and modular development environment.
- Customizable Layouts: Choose from multiple pre-configured layouts to tailor the interface to your specific needs.
- Pre-Built Modules: Includes ready-to-use features like user management and role-based permissions, reducing setup time.
- Role-Based Access Control: Fine-tune user permissions to align with operational requirements.
- Low-Code Page Builder: Generate pages and forms quickly with the built-in code generator, boosting productivity.

Who Should Use It?

Vue-Admin-Better is a great fit for developers working on small to medium-sized projects that prioritize speed and ease of development. Its robust pre-built modules save time, allowing teams to focus on crafting custom business logic.

#8: Gentelella

⬚ Stars: 20k

GitHub Link:https://github.com/ColorlibHQ/gentelella
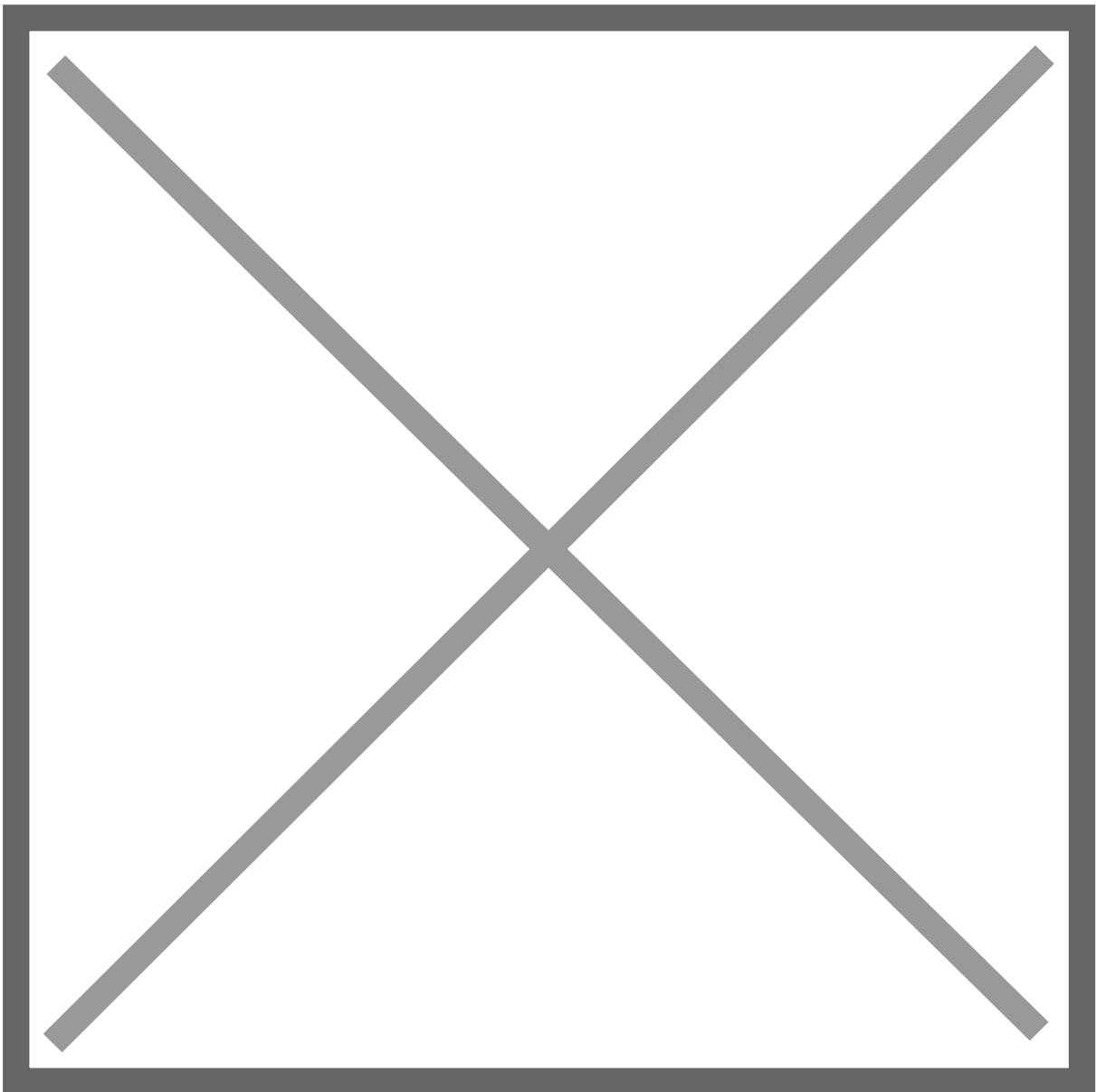
Gentelella is a reliable and versatile open-source admin dashboard template built on Bootstrap. It combines simplicity, responsive design, and a wide array of components, making it perfect for

quickly creating functional admin dashboards.

Why Choose Gentelella for Admin Dashboards?

- Bootstrap-Powered: Harnesses Bootstrap's ecosystem for a wide selection of UI components and mobile-friendly layouts.
- Pre-Designed Components: Comes with essential elements like tables, charts, and forms, enabling faster development and reducing costs.
- Responsive by Design: Optimized for seamless performance across devices, from mobile screens to desktop monitors.
- Beginner-Friendly Codebase: Features a well-organized directory structure, making it easy to extend and adapt.
- Ready-to-Use Templates: Out-of-the-box templates accelerate development and simplify customization.

Who Should Use It?

Gentelella is particularly suited for developers working with tight budgets or small teams needing basic admin dashboards. Its Bootstrap foundation ensures reliability and cross-platform compatibility, making it versatile for various projects.

For instance, an e-commerce dashboard can use Gentelella for tasks like order tracking and inventory management, while its chart components visualize sales trends or performance metrics. For more advanced business logic or highly tailored interfaces, additional development may be required.

#7: React-Admin

⭐ Stars: 25.1k

GitHub Link: https://github.com/marmelab/react-admin
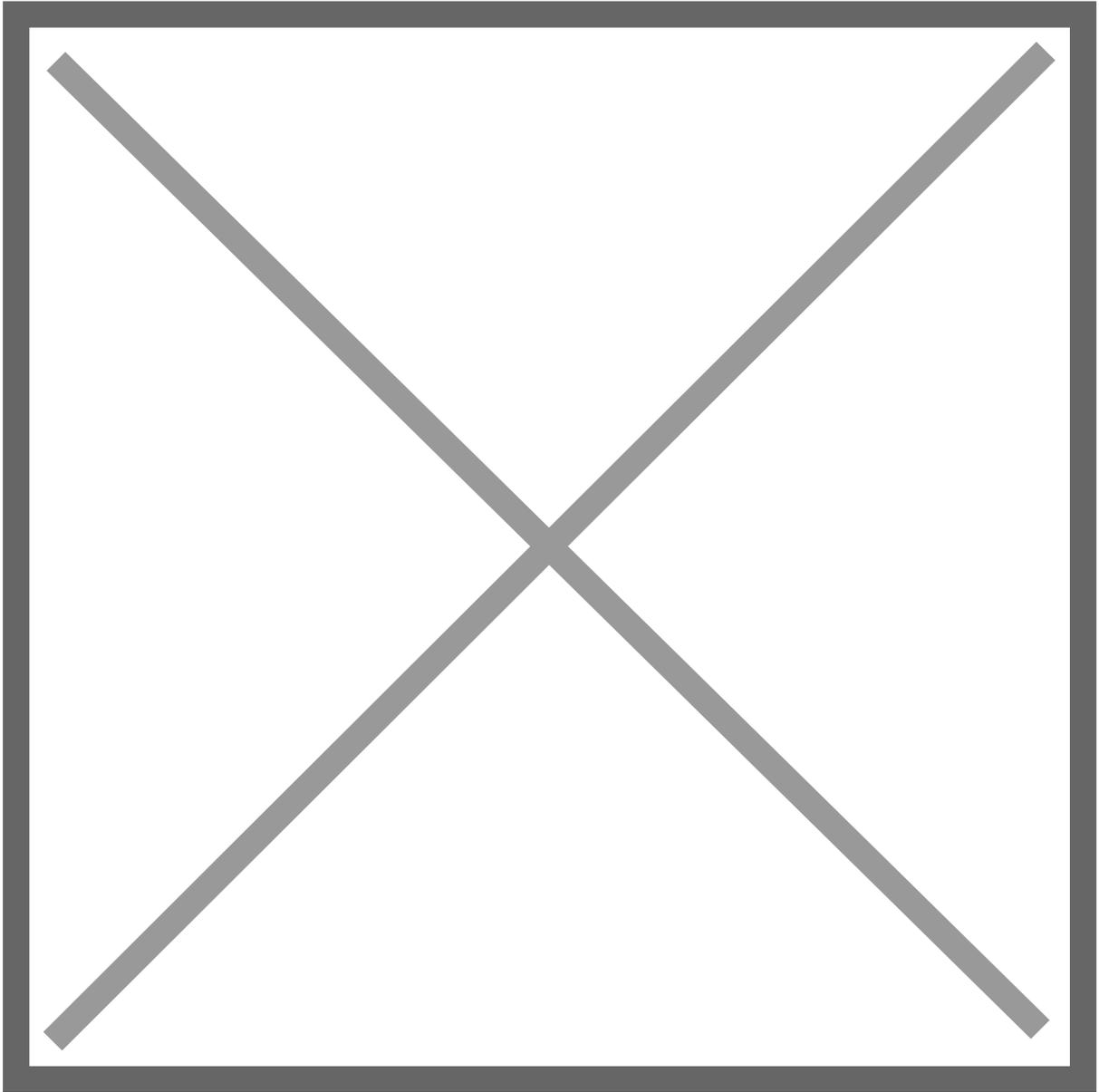
React-Admin is a powerful framework designed for building data-centric admin dashboards. Built on React, it offers unparalleled flexibility, scalability, and seamless integration with diverse data sources.

Why Choose React-Admin for Admin Dashboards?

- Component-Based Design: Leverages React's modular architecture for flexible and efficient development.
- Seamless Data Integration: Connect to REST, GraphQL, or custom APIs via a robust data provider mechanism.
- Comprehensive Component Library: Includes tables, forms, filters, and charts for rapid deployment of essential dashboard features.
- Multilingual Support: Built-in internationalization tools make it ideal for global applications.

Who Should Use It?

React-Admin excels in projects requiring complex data management, dynamic visualizations, and integrations across multiple back-end services.

For example, an enterprise managing vast databases can deploy React-Admin to create a user-friendly interface supporting CRUD operations. Built-in visualization tools make it easy to track performance and engage with data interactively. Developers needing custom dashboards for SaaS platforms or public service portals will appreciate its adaptability and API support.

React-Admin's powerful features and community-driven ecosystem make it one of the best tools for developing advanced, flexible admin dashboards.

#6: Ngx-admin

⭐ Stars: 25.3k

GitHub Link:https://github.com/akveo/ngx-admin
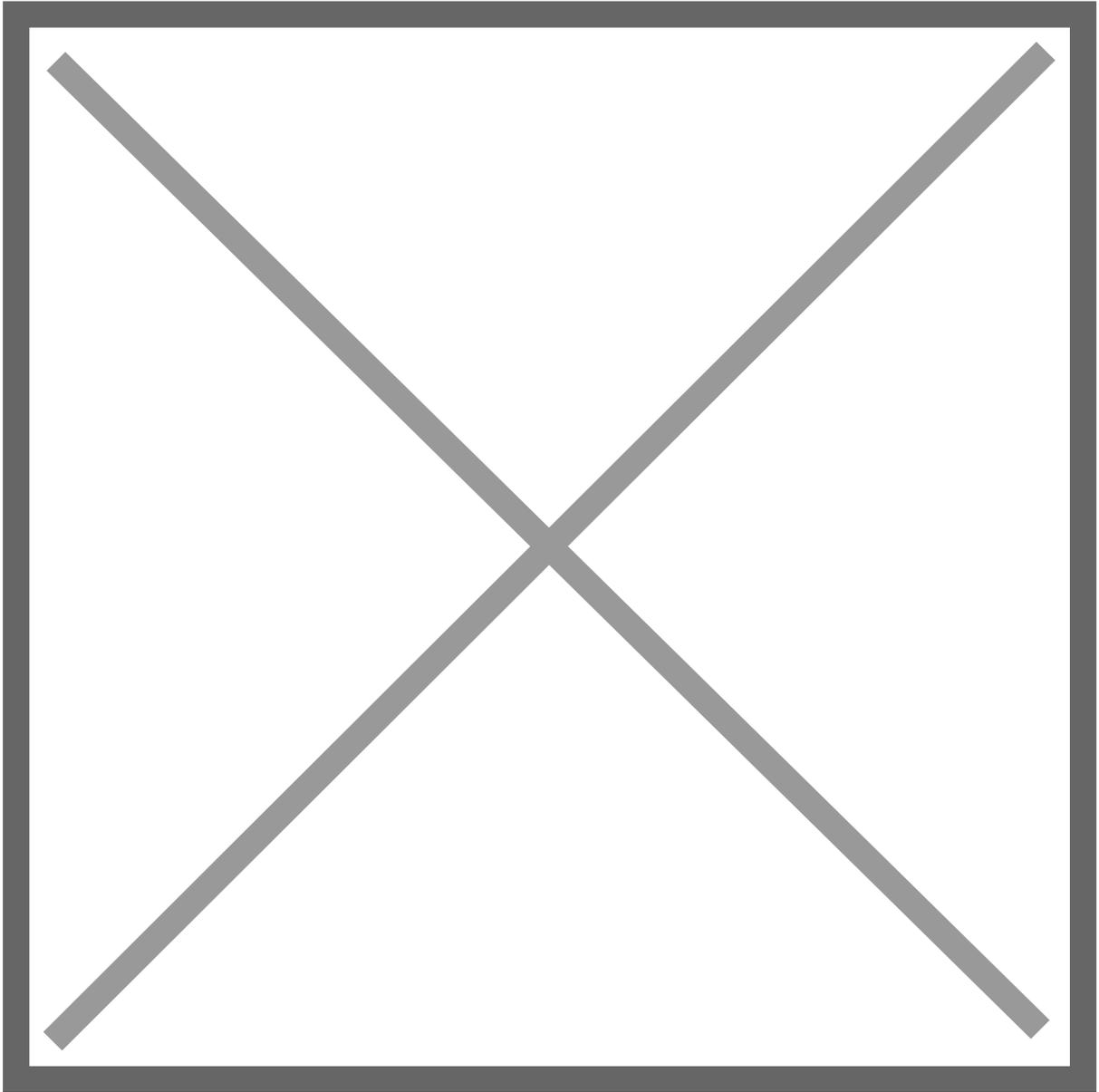
Ngx-admin is a feature-rich open-source admin dashboard template built on Angular and the Nebular component library. With its modern design, extensive functionality, and scalability, it's a go-to choice for creating enterprise-level management systems. Pre-built components and tools enable developers to launch projects with ease.

Why Choose Ngx-admin?

- Angular Framework: Harnesses Angular's powerful architecture, perfect for building high-performance, large-scale dashboards.
- Nebular Component Library: Includes modern UI elements like tables, charts, forms, and cards, which are easy to customize.
- Responsive Across Devices: Delivers an optimized experience on mobile and desktop devices, adapting to various screen sizes.
- Customizable Themes: Offers multiple built-in themes and support for branding customization.

- Built-In User Management: Features pre-configured modules for login, registration, and role-based permissions, saving development time.

Who Should Use It?

Teams leveraging Angular for development will find ngx-admin an excellent choice for creating modern dashboards. Enterprises can integrate it into HR, finance, or project tracking systems, with unified branding supported by its theming capabilities.

Its responsiveness ensures seamless mobile experiences, making it a versatile tool for SaaS platforms and complex enterprise applications.

#5: Appsmith

 Stars: 35k

GitHub Link:https://github.com/appsmithorg/appsmith
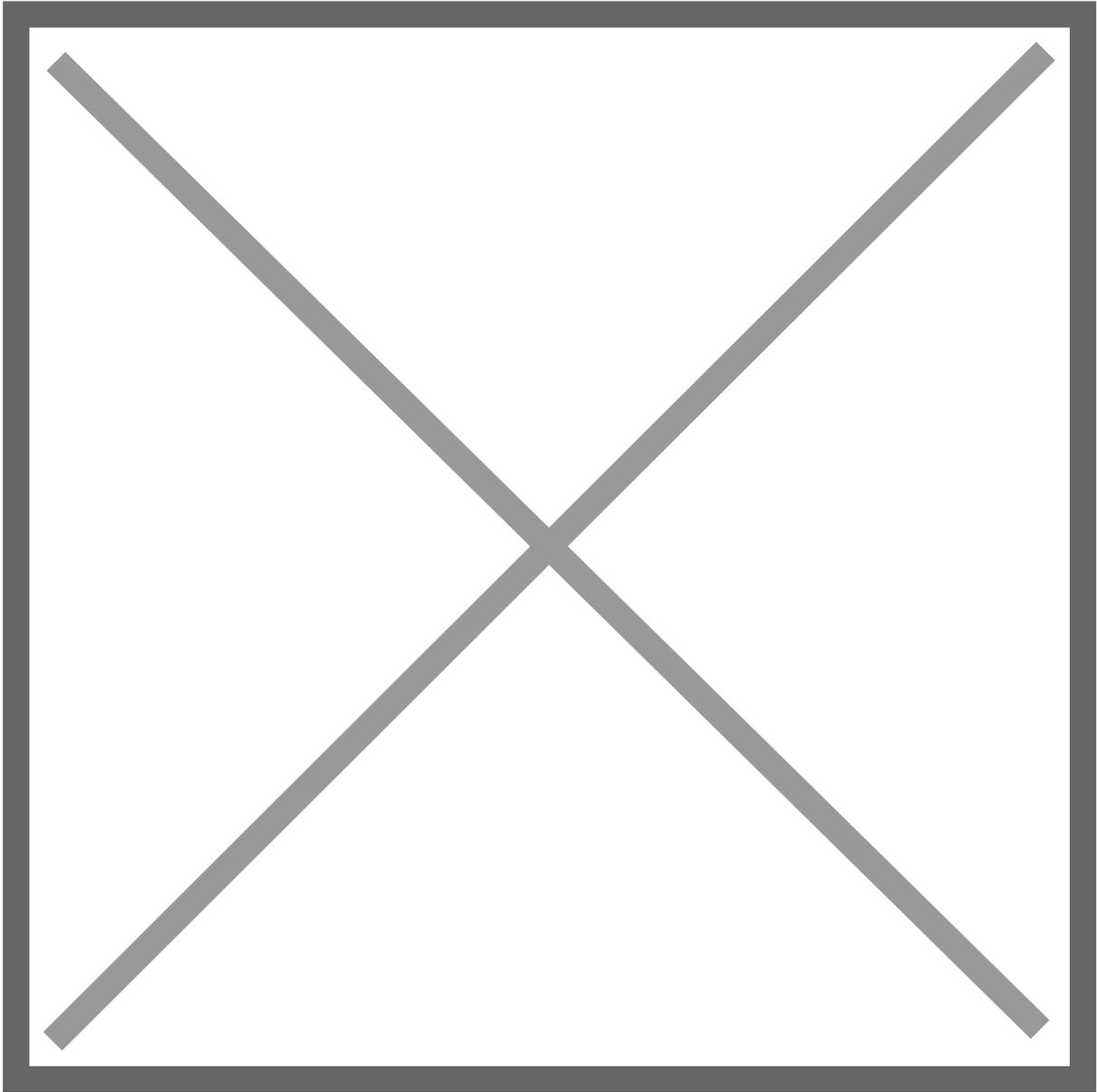
Appsmith is a low-code platform that simplifies building admin dashboards and internal tools. With a drag-and-drop UI designer, support for multiple data integrations, and strong automation features, it empowers developers to build dynamic and interactive management systems quickly.

Why Choose Appsmith?

- Visual UI Design: Build functional interfaces effortlessly with a drag-and-drop editor.
- Integrate Multiple Data Sources: Connect to REST APIs, GraphQL, or databases like MySQL and MongoDB to centralize data management.
- Rich Control Library: Access diverse UI controls such as forms, tables, and charts to handle varied requirements.
- Secure User Access: Built-in features for authentication and role-based permissions enhance data security.
- Team Collaboration: Enable real-time editing and application previews for collaborative workflows.

Who Should Use It?

Appsmith is ideal for teams needing to quickly deploy internal tools such as dashboards or inventory management systems. Its low-code environment reduces development time, while data integration capabilities streamline multi-system management.

For example, a team under tight deadlines can use Appsmith to consolidate data from various APIs, building dashboards with real-time updates. While Appsmith excels in simplicity and speed, its reliance on drag-and-drop design may require additional coding for advanced customization or optimization in performance-critical projects.

👉Further Reading👈 [NocoBase vs. Appsmith: Which Open Source Low-Code Platform is Right for You?](#)

#4: Tabler

⭐ Stars: 44.2k

GitHub Link:https://github.com/tabler/tabler
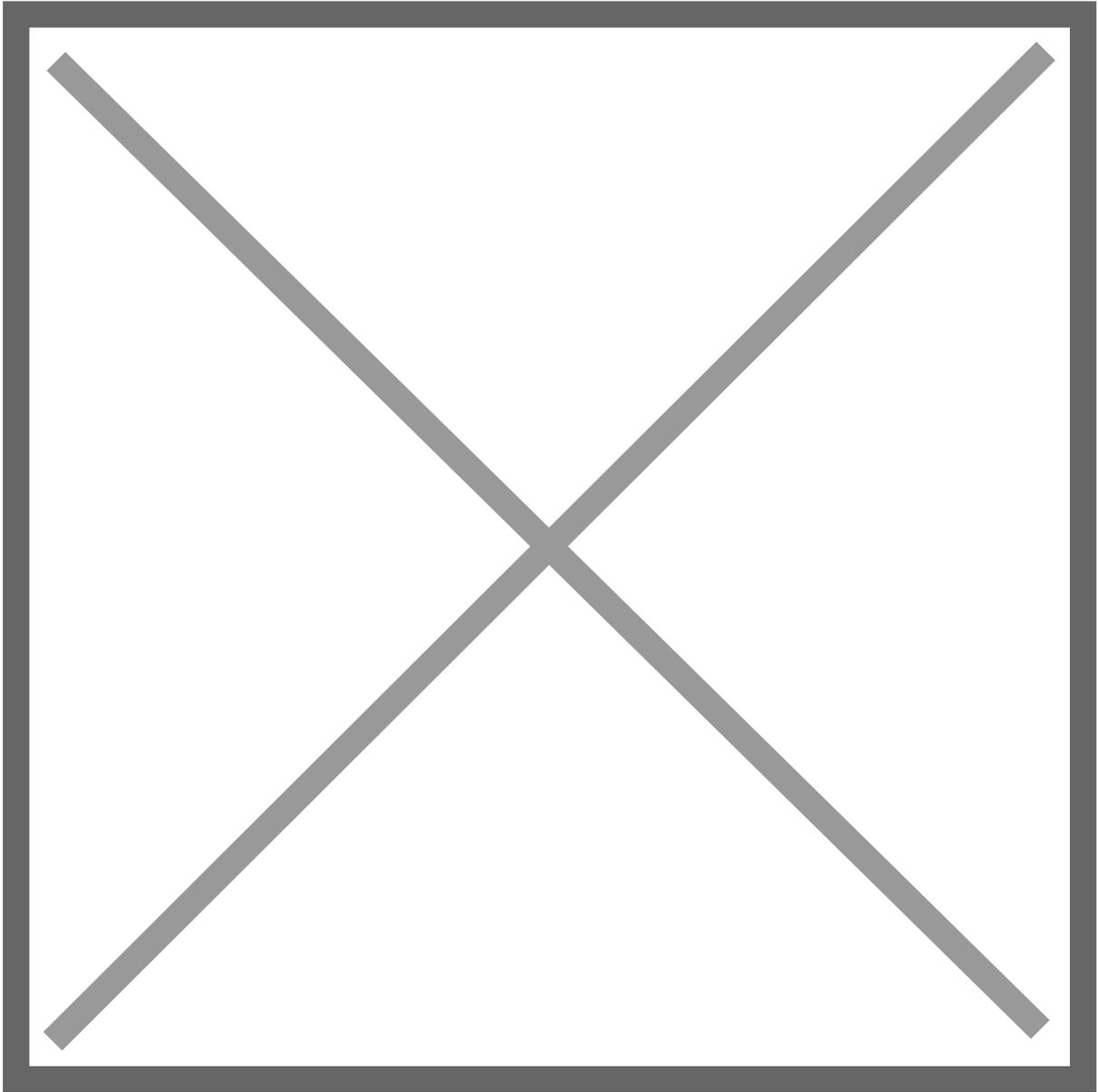
Tabler is a modern and lightweight open-source admin dashboard template crafted with HTML, CSS, and JavaScript. Its sleek design, simplicity, and comprehensive pre-built components make it a top choice for developers aiming to create visually appealing and functional admin interfaces quickly.

Why Choose Tabler?

- Sophisticated Design: Combines simplicity and elegance, delivering a refined user experience.
- Fully Responsive: Ensures seamless performance across devices, from mobile to desktop.
- Extensive Pre-Built Elements: Features tables, charts, forms, notifications, and other components to streamline development.
- Lightweight and Framework-Free: Requires only core front-end technologies, making it easy to implement without additional complexity.
- Quick Start with Templates: Includes pre-designed pages and templates to accelerate the development process.

Who Should Use it?

Tabler is ideal for developers who value high-quality design and simplicity in their tech stack. It's perfect for small to medium-sized projects like data dashboards, content management systems, or lightweight operational backends.

For example, a small business looking to track sales and performance metrics can use Tabler to create a clean, functional dashboard without heavy reliance on frameworks. Its lightweight nature ensures easy integration and faster project completion.

#3: AdminLTE

⭐ Stars: 44.2k

GitHub Link:https://github.com/ColorlibHQ/AdminLTE
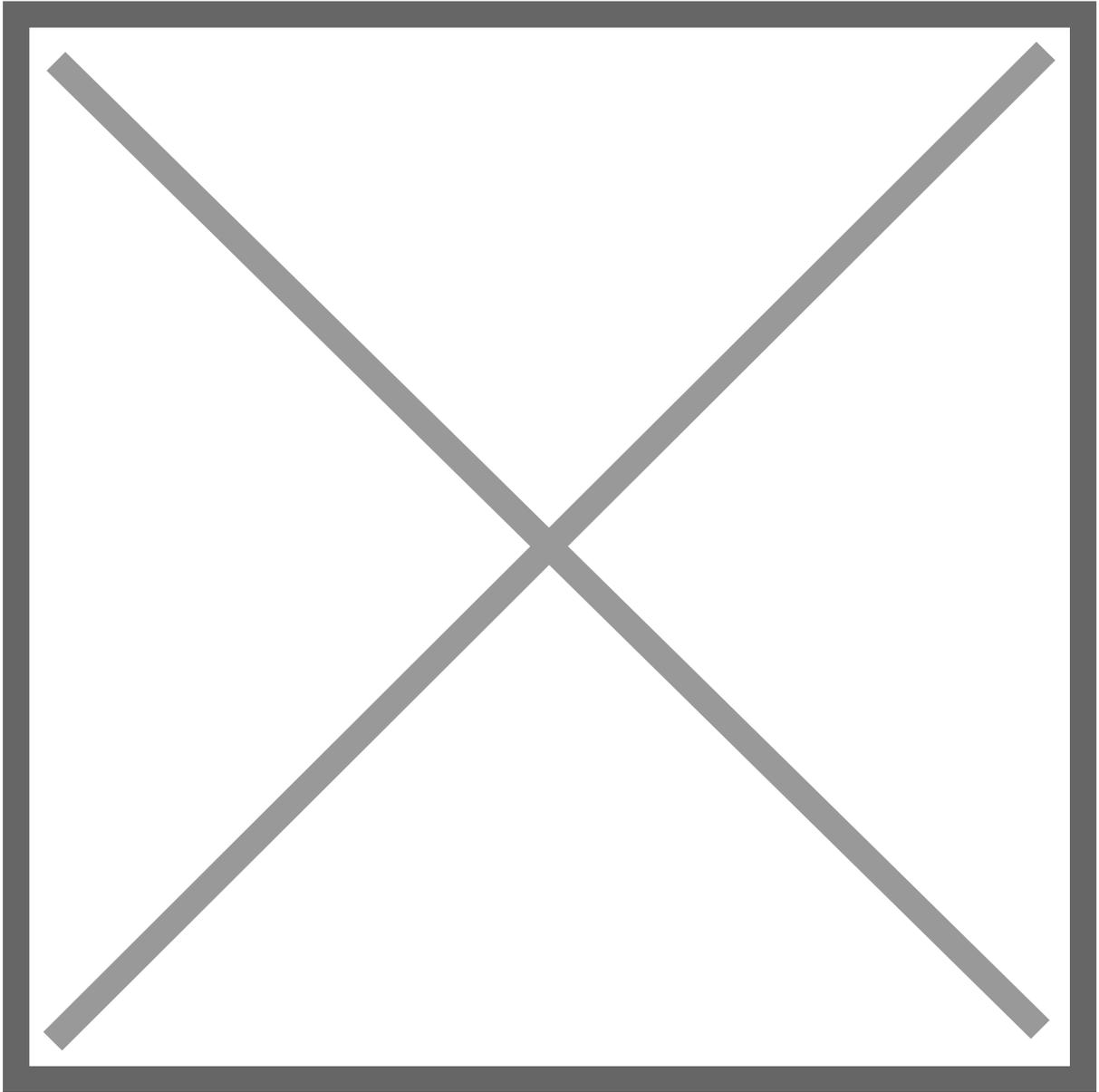
AdminLTE is a trusted open-source admin dashboard template built on Bootstrap. Its robust collection of features and high customizability make it a go-to solution for developers creating dynamic and versatile backend systems.

Why Choose AdminLTE?

- Bootstrap Ecosystem: Fully utilizes Bootstrap's responsive design and rich component library for seamless development.
- Customizable Layouts: Offers a variety of pre-designed page layouts to match diverse backend needs.
- Comprehensive Components: Includes tools like data tables, charts, and forms to simplify backend development.
- Lightweight and Easy to Use: Eliminates the need for complex setups, making it accessible for developers of all levels.

**Who Should Use AdminLTE?**

AdminLTE is perfect for projects that demand high compatibility and quick customization, such as content management systems, user dashboards, or small-scale business platforms.

For instance, a startup creating an internal analytics tool can leverage AdminLTE's pre-built layouts and modules to reduce development time. Its compatibility with Bootstrap ensures a reliable and flexible development process, even for scaling projects.

#2: NocoDB

 Stars: 50.4k

GitHub Link:https://github.com/nocodb/nocodb
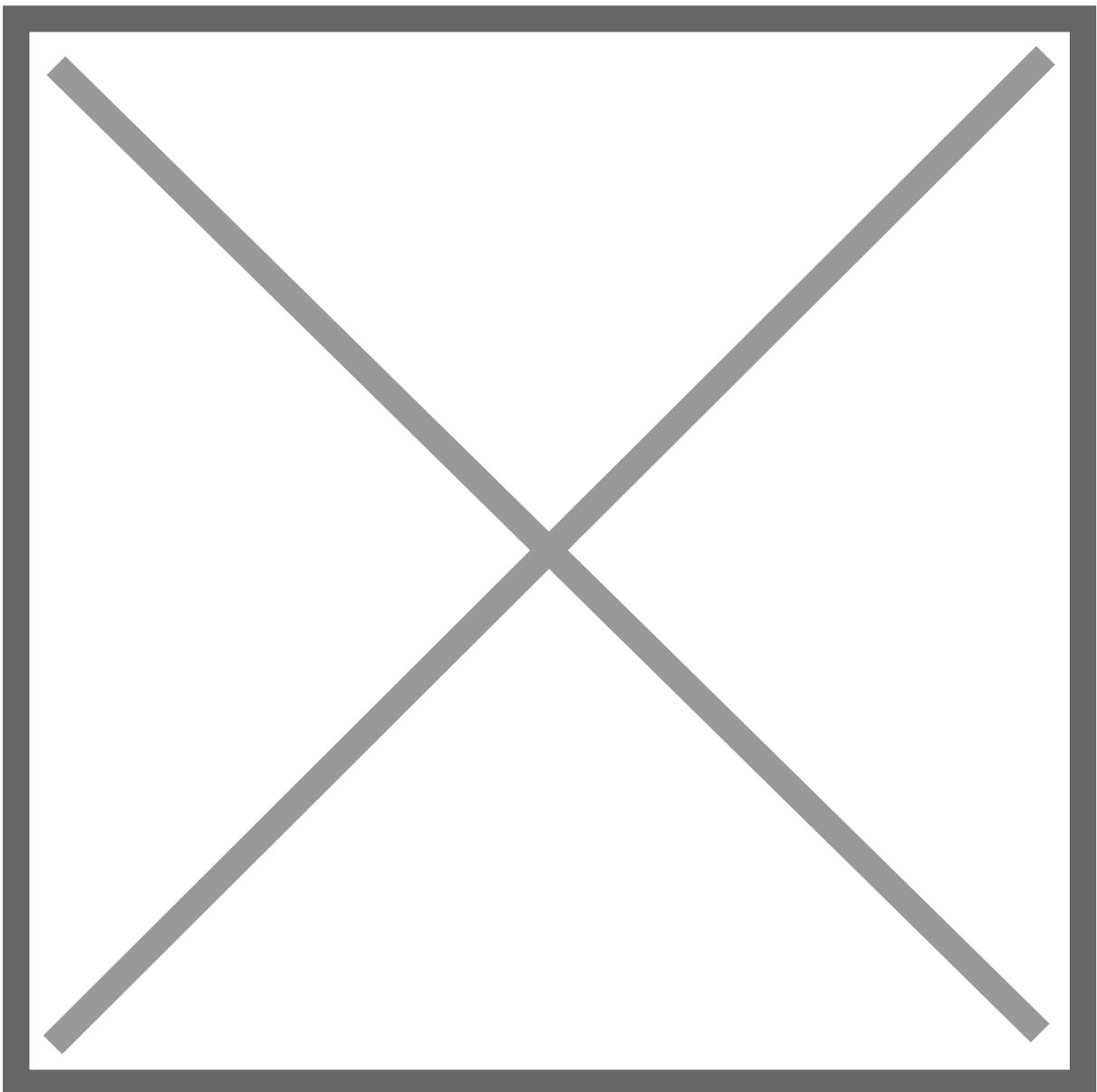
NocoDB is an open-source no-code platform that transforms relational databases like MySQL and PostgreSQL into easy-to-use spreadsheet interfaces. With an intuitive design and powerful features, NocoDB empowers both technical and non-technical users to build admin dashboards and business applications efficiently.

Why Choose NocoDB for Admin Dashboards?

- Excel-Like Usability: Provides a familiar spreadsheet interface for managing and interacting with databases.
- Broad Database Support: Integrates with MySQL, PostgreSQL, MariaDB, SQL Server, and more for seamless data management.
- Instant API Creation: Automatically generates REST and GraphQL APIs, streamlining system integration.
- Team Collaboration: Real-time data sharing and editing enable effective teamwork.
- Flexible Deployment: Offers cloud-based and self-hosted options to suit diverse operational needs.

Who Should Use NocoDB?

NocoDB is an excellent choice for teams or enterprises needing a quick and efficient way to create data management dashboards. Its no-code interface simplifies backend development for developers and ensures accessibility for non-technical users.

Perfect for creating enterprise data platforms, project management tools, or CMS systems, NocoDB's robust API integration and broad database compatibility make it a versatile solution.

📖 Further Reading: NocoBase vs NocoDB: An In-Depth Comparison of Open Source No-Code Tools

#1: Vue-Element-Admin

⭐ Stars: 88.3k

GitHub Link: https://github.com/PanJiaChen/vue-element-admin
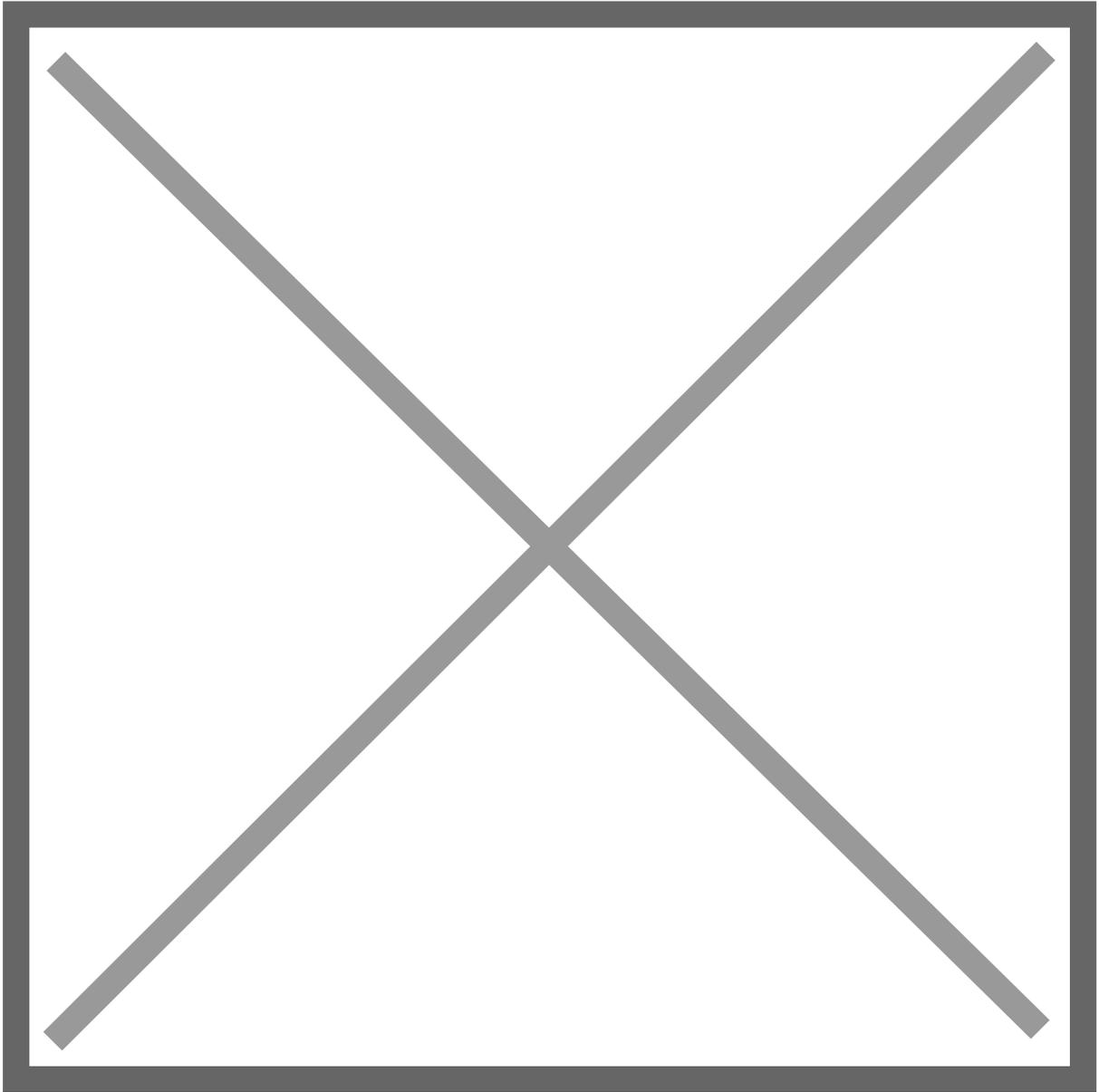
Vue-Element-Admin is a leading open-source admin dashboard template powered by Vue and Element-UI. Its rich functionality, clean code structure, and extensive customization options make it a top choice for developers worldwide.

Why Choose Vue-Element-Admin?

- Vue & Element-UI Integration: Combines Vue's modularity with Element-UI's feature-rich components to streamline development.
- Flexible Layouts: Offers pre-designed layout options to adapt to various backend needs.
- Comprehensive Modules: Includes user and role management, table displays, and advanced charting tools for complete dashboard solutions.
- Role-Based Permissions: Ensures secure and granular access management with dynamic permissions.
- Powerful Forms: Handles complex form requirements, including nested forms and dynamic validations.

Who Should Use Vue-Element-Admin?

Vue-Element-Admin is ideal for enterprises seeking a robust, scalable admin dashboard. It's particularly suited for projects requiring detailed permissions, intricate form processing, and extensive data analytics. For mid-to-large-scale projects, Vue-Element-Admin's modular approach and powerful features enable developers to build tailored backend solutions efficiently.

Summary

The open-source projects listed above excel in their unique strengths across functionality, usability, and community engagement. Developers can choose the admin dashboard solution that best fits their specific needs. For those seeking a fast and flexible way to create powerful admin dashboards, NocoBase stands out as a top recommendation!

Admin dashboards are just one key category of open-source tools. GitHub features a wealth of outstanding projects across diverse use cases. If you're interested, check out some of our other GitHub ranking articles:

- Top 12 Open-Source No-Code Tools by GitHub Stars
- Top 15 Open-Source Low-Code Projects by GitHub Stars
- Top 11 Open-Source Internal Tools by GitHub Stars
- Top 8 Open-Source CRUD Projects by GitHub Stars
- Top 13 Open-Source Self-Hosted Projects by GitHub Stars
- Top 7 Open-Source Airtable Alternatives by GitHub Stars
- Top 5 Open-Source No-Code/Low-Code Application Development Platforms by GitHub Stars
- Top 10 Open-Source Workflow Projects by GitHub Stars

We're excited to continue updating this series of articles. Stay tuned for more insights and recommendations!