

White paper



1Hub.ai

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■ Introduction

The uprise of AI technology has put the world through an unprecedented technological shift. The longest time of its existence, AI was generally perceived as something researched by specialists, without relevance to the public – Within just a few years, AI became an everyday utility, so tangible and accessible that it can be used through a browser by anyone with even the most limited IT skillset.

An era of innovation is currently taking place:

The public interest in the field of AI has grown from practically nonexistent to AI repeatedly being a subject on mainstream media, in a short time.

The massive influx of users shows interest in this novelty, and promotes innovation heavy development, which leads to even more innovation. In this ocean of creation, however, it becomes easy to lose sight.

Artificial intelligence can be of immense benefit to the technological advancement of humanity. The first groundbreaking step of bringing it from the labs to the public has been made, but in terms of everyday usability and integration, the current state of affairs is still crude.

Problem

AI technology has become available, but not accessible: The current landscape of chatbot-like AI tools greets users with unnecessary barriers, and exploring new AI services can be cumbersome.

The present situation regarding web-based AI tools offers a wide landscape of individual services, but no interconnection. As these services are maintained by individual companies, accounting and billing takes place separately for each.

High Entry Cost

Consequently, users are forced to register with multiple different providers and pay multiple bills in multiple places. Aside from possible privacy concerns and ease-of-use, the main issue here is how the financial and psychological entrance hurdle abruptly increases when using multiple AI tools opposed to a single one.

To most users, paying around \$10 for an AI service starter subscription seems fair and affordable, even when just trying around. However, paying for example \$50 for exploring multiple AI services in parallel is something that most people would consider unreasonable and would abstain from, despite actually being interested in it.



Lack of AI Combination

Furthermore, the aforementioned lack of interconnection makes it harder for users to combine AI tools together. Though copy-pasting is an easy task, not being able to pipe the inputs and outputs of AI services together neatly has a negative impact on efficiency.

Some possibly valuable combinations of AIs that are already doable may be overlooked, because combining AIs isn't yet such a commonplace thing as it could be. There lies great potential in the combination of AIs, which is not being tapped at all in the current consumer web-based AI situation.

Lack of Custom AIs

Given the fact how most current AI services offer their own or some pre-trained AI model, there is little room for users interacting with own custom-trained, or entirely custom AI models. Without expert-level knowledge, it is almost impossible to set up and execute one's own AI calculations.

Even then, the usability of this depends gravely on the amount of computing power put to work, making it unfeasible for most private users. As with AI combination, there is large untapped potential here, which cannot be explored and popularized to the broad mainstream of users in the current situation.

Solution

The present evolution of AI technology into something interwoven with daily life as much as computers and smartphones has led itself to a point where loose ends need to be tied up – Now, the next step must be one of interconnection, putting together what belongs together.

1Hub.ai is developing a web service to fulfill this goal, and aims to establish a vital cornerstone in mainstream AI integration by rolling out the innovative concept of "AI aggregation". The service maximizes ease-of-use and accessibility, while being as comprehensive and elaborate as necessary.

Development takes place in 2 phases:

Phase 1

Base Platform: AI Aggregator

The 1Hub.ai base platform integrate multiple AI services into one single user-friendly dashboard interface, accounted and billed in just one single instance.

Instead of paying multiple subscription fees, users can simply buy credits on the 1Hub.ai platform, and get access to a wide range of popular AI services.



By significantly lowering the entrance barrier, 1Hub.ai allows users to try different AI services simultaneously, maximizing innovation and productivity while minimizing cost. Documentation and tutorials are provided for the platform and all offered AI services.

With multiple AI services now united in one system, exploring the possibilities of AI combination becomes a self-evident thing. The 1Hub.ai platform enables users to combine AIs through an easy-to-use interface, at the click of a button.

Phase 2

Decentralized GPU Cloud



In the next step, 1Hub.ai sets the ground for mainstream access to custom and custom-trained AI models.

Cloud computing power will be provided to users through the 1Hub.ai web platform, making custom AI exploration and power-intensive calculations as accessible as the currently established web-based AI services.

Extending upon the previous phase, a unique blockchain infrastructure will be integrated into the 1Hub.ai platform, which is designed specifically to reliably synchronize the distribution of workload across participants in an entirely decentralized manner, and combines seamlessly with the pre-existing cloud computing solution.

Users are now able to execute custom and custom-trained AI models through the 1Hub.ai web platform, utilizing computing power provided by other users. Those choosing to do so can earn revenue in a way similar to “mining”. Both “providers” and “buyers” use the 1Hub.ai platform token 1HUB, which benefits the token ecosystem.

This phase promotes the general accessibility of custom and custom-trained AI models, and brings more users to the platform while extending its reach.

Conclusion

1Hub.ai is developing a comprehensive, easy-to-use solution, designed to empower users to unlock the full potential of AI technology, by offering a unified account system, integrating a wide range of AI services, enabling customization and fine-tuning, leveraging custom AI models, and incorporating blockchain technology.

Looking into the future, 1Hub.ai aims to redefine the AI landscape, and beyond that, the general horizon of how our society integrates this novel technology, continually evolving to stay at the forefront of AI technology, always satisfying users' needs while fortifying its position as a vital cornerstone in this industry.

■ AI Aggregator

1Hub.ai serves as a gateway to a world of cutting-edge AI technologies across diverse categories and fields, providing a comprehensive solution to lower barriers as much as possible and bring web-based AI to the next level of accessibility and everyday-usability.

AI Aggregation

The 1Hub.ai base platform integrates a wide range of AI services into one single user-friendly dashboard interface, accessed through one single account, billed over one single subscription.

Not having to commit to multiple subscriptions while being able to test different AI services significantly lowers the entrance barrier. As such, 1Hub.ai facilitates informed decision-making, which brings an enormous increase in flexibility and room for possibilities.

1Hub.ai integrates various popular language models, image generation and recognition models and many more, in an ever-expanding curated selection. This empowers users to harness the power of AI across different domains, driving innovation and fostering continuous advancement.



AI Combination

With multiple AI services united in one system, exploring the possibilities of AI combination becomes a self-evident thing. The 1Hub.ai platform allows users to combine AIs through its easy-to-use interface, at the click of a button.

By consolidating a wide array of AI services into a single platform, users are empowered to explore, experiment, and enhance their workflow and creativity in ways never thought possible before.

The output of one AI can be seamlessly used as the input for another, allowing users to compare results, find the most suitable AI for their specific requirements, and create novel combinations, for example with Text-to-Text (ex. ChatGPT) and Text-to-Image (ex. Stable Diffusion) AIs.



Unified Billing, Minimized Cost

To most users, paying around \$10 for an AI service starter subscription seems fair and affordable, even when just trying around. However, paying for example \$50 for exploring multiple AI services in parallel is something that most people would consider unreasonable and would abstain from, despite actually being interested in it.

The 1Hub.ai platform significantly lowers this entrance barrier by having all the accounting and billing take place in just one single instance. Through a unified account system, users have access to multiple AI services, which minimizes cost, effort and time that would otherwise be spent for registering with different providers and upkeeping multiple subscriptions.

By depositing money into the platform (fiat and crypto), users buy credits, which are then spent on using the various AI services offered. Credits on 1Hub.ai are the equivalent of being able to move an already-paid subscription from one AI service to another.

Documentation

Going along the vision of simplifying web-based AI usage and making it more accessible in an innovative way, the 1Hub.ai platform is being designed with usability and straight-forwardness in mind, above all. As such, documentation and tutorials will be provided for the platform and all offered AI services, along with courses and videos.

Conclusion

1Hub.ai is more than just a platform, but a genuine revolution in the way users interact with web-based AI tools.

By offering a unified account system, all unnecessary complexity and cost are removed, and users are empowered to explore and leverage AI solutions, transform their workflows, drive advancement in their fields and unlock the next level potential of artificial intelligence.

The platform's user-centric design simplifies the discovery and navigation of AI tools, fostering innovation and collaboration. Navigating through a diverse range of AI services, categorized and sorted, to find the right tool for the job, is effortlessly possible.

■ Decentralized GPU Cloud

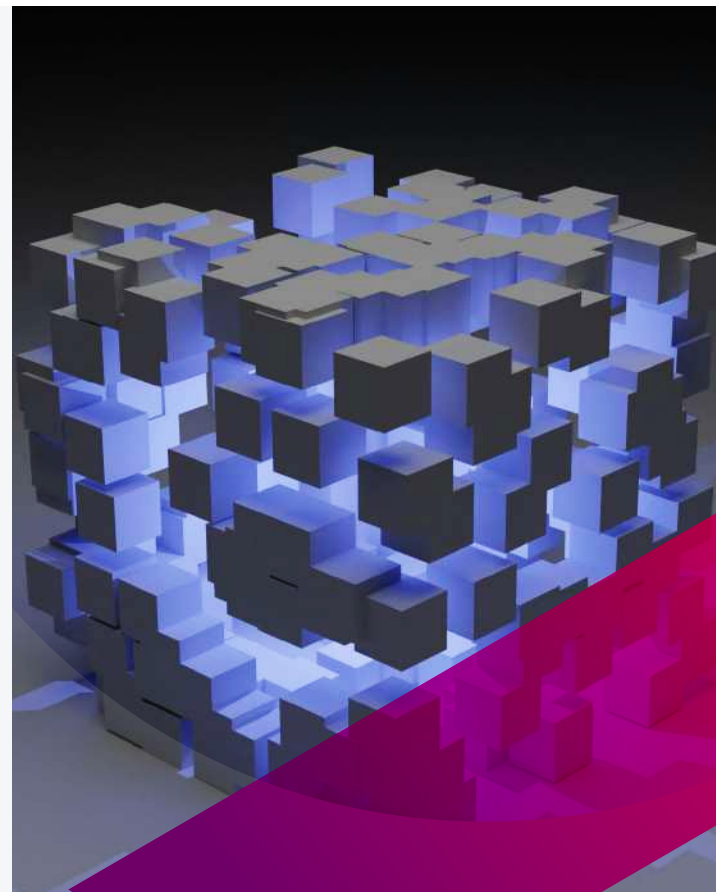
1Hub.ai embarks on a revolutionary journey by developing a unique cloud computing infrastructure, backed by a blockchain technology, designed specifically to reliably synchronize the distribution of workload across participants in an entirely decentralized manner.

This pioneer step enables users to execute custom and custom-trained AI models, and also to provide their own GPU computing power – Those choosing to do so can earn revenue in a way similar to “mining”. Both “providers” and “buyers” use the 1Hub.ai platform token 1HUB, which benefits the token ecosystem.

Decentralized AI Execution

Instead of performing AI calculations on a centralized server architecture, as it is currently the case with most if not all web-based AI services, integrating blockchain technology into the 1Hub.ai platform enables computing power to be puzzled together from many individual pieces, no matter how small or big, provided by many individual users.

This aside, distributing the GPU power used for calculating an AI task across a network of nodes rather than relying on a central server / cloud authority has a positive impact on reliability, fault tolerance and network scalability.



Revenue System Incentivizes Participation

Introducing decentralized computing and blockchain-based synchronization into the 1Hub.ai service paves the ground for a robust token ecosystem, where the 1HUB token plays a key role in users' daily interactions with AI models and computational resources.

All participants, whether they are AI model creators, users, or contributors of computing power, can engage, collaborate, and reap the benefits of the system. Revenue is distributed according to processed work, in a way similar to "mining" in presently established blockchain networks.

In addition to incentivizing computational contribution, 1Hub.ai also rewards users who upload custom or custom-trained AI models to the platform with a share of revenue. This encourages creativity and innovation in AI model research & development, and fosters collaboration and advancement within the AI community.



Tailor-Made Blockchain

The blockchain will be designed specifically to reliably synchronize the distribution of workload across participants in an entirely decentralized manner, and combines seamlessly with the pre-existing cloud computing solution. **Workload and revenue distribution are handled immutably and with absolute precision on the blockchain, ensuring maximum safety, transparency and computation efficiency.**

Through cryptographic hashing of transacted data, it is guaranteed that computing power providers actually return proper results before being granted revenue, which results in an authentic, tamper-proof system.

Curated Selection

Custom or custom-trained AI model provided by users through the 1Hub.ai Cloud will be meticulously reviewed and selected before integration, ensuring high quality standards for performance, reliability and compliance. After passing, these AI models are then made permanently available to other users through the 1Hub.ai platform.

The selected models cover diverse domains and use cases, encompass cutting-edge experimental solutions and the latest advancements in AI technology, and empower users to experience AI in their browsers on an entirely new level.

A peer-review system will be in place, allowing users to rate, comment and discuss custom AIs hosted on the 1Hub.ai Cloud, and report inconsistencies, in order to create and maintain a high-value infrastructure.

Conclusion

The 1Hub.ai Decentralized GPU Cloud will be a major milestone not just for 1Hub.ai, but for the AI industry as a whole. Setting up an infrastructure which carries itself in a decentralized way entices users to participate by either contributing computation power, or by taking profit of custom AI calculations executed on the system.

Similar to how artificial intelligence was something reserved for scientific research before its recent mainstream popularization, this has the potential to bring research & development of custom and custom-trained AI models to a much more accessible level.

Anyone, regardless of resources or background, can contribute to and benefit from this field previously only available to experts. 1Hub.ai promotes a culture of incentivized participation and collaborative innovation, offering a marketplace for AI model providers and sparking creativity among users, thus reaching an even broader audience and making web-based AI an even more everyday thing.

■ Additional Services

The 1Hub.ai platform functionality will be extended through a range of additional features, which are to be rolled out along the course of the project:



AI Chat Assistant



The 1Hub.ai AI Chat Assistant helps with everyday tasks such as selecting the right tool for the job and generating more effective prompts. By harnessing usage data of the 1Hub.ai platform, the Chat Assistant knows, for example, which prompts previously led user to success, and can provide insights and suggestions beyond the current scope of imagination.

Operating on a foundation of continuous learning, the Assistant adapts to all user feedback left anywhere on the platform, and stays up-to-date with advancements in the AI landscape. It has vast knowledge of all implemented AIs, and is accessible anywhere on the 1Hub.ai platform in a streamlined one-click way.

Feedback System



A comprehensive yet intuitive feedback / rating system will be interwoven with many relevant aspects of the 1Hub.ai platform, enabling users to rate, comment and suggest changes directly through the platform's web interface, at the click of a button.

Participating users are rewarded with 1HUB tokens, incentivizing engagement while fostering a sense of community. This motivates users to share experiences and provide valuable feedback, creating a dynamic environment where user contributions actively shape the platform's growth.

Video Training Courses



1Hub.ai aims to establish collaborations with YouTubers and academies to offer a wide array of specialized courses focused on different AI technologies, crafted to provide users with in-depth knowledge and expert guidance.

Upon successfully completing courses, users are granted certificates that validate their participation and signify their proficiency. These certificates serve as tangible proof of acquired knowledge and expertise, supporting credibility and showcasing accomplishments, and can open doors to new opportunities, whether in academia, industry, or further professional development.

Marketplace



Serving as a honeypot for dynamic community interaction and growth, the 1Hub.ai platform will be extended with a marketplace for AI-specific trading, which empowers community members to share and monetize their AI creations. Users can showcase and sell a variety of AI-related items, including fine-tuned prompts, custom / custom-trained AI models, and more.

The marketplace will be designed to be user-friendly and accessible, with intuitive search and discovery features that make it easy for users to find and purchase what they need, offering users the opportunity to generate income from their experience and discoveries on their journey through the world of AI.

Model Training for Businesses



In a later step, 1Hub.ai will offer a comprehensive model training service for businesses, bringing all previously gathered expertise to the table. Serving as a trusted consultant, 1Hub.ai provides personalized guidance and support throughout the entire integration process, together with strategic insights and practical assistance in optimizing the integration of AI.

Subscription Model

The 1Hub.ai service fee model aims to fit in line with fee models currently found among web-based AIs, picking users up where they stand to facilitate an easy entry into the novel concept of 1Hub.ai.

Money paid for a subscription is deposited into one's account as credits, which can then be spent on AI usage. In case that credits are exhausted before the end of a term (month / half year / year), users are free to deposit extra credits. At the end of each term, remaining credits expire, and are not carried into the next term.

As the 1Hub.ai base platform is essentially a reseller of different AIs offered by other providers, revenue is generated by adding a surcharge ("AI Surcharge") onto the fee each AI provider asks. This surcharge varies throughout subscription packages, giving subscribers of higher-tier packages more value (AI usage) for their money.

Additional to increased cost efficiency in platform usage, users of higher-tier subscription packages are also rewarded with various bonuses, such as early access to new features, exclusive giveaways, and more (to be disclosed).

	Starter	Enthusiast	Professional
Fee (per month)	\$10	\$25	\$50
AI surcharge	+10%	+5%	+2%
Cost efficiency	90%	95%	98%
Bonus features	TBD	TBD	TBD
-	-	-	-
-	-	-	-
-	-	-	-

■ 1HUB Token

The 1Hub.ai token 1HUB serves as a direct intermediary between the project's usage and success, and the stability of its financial foundation. Nested in an ecosystem of benefits and opportunities that thrives from dynamic interaction, users are incentivized to participate and get involved.

Set to sail towards an open, inclusive future, the 1HUB token is the backbone of the 1Hub.ai community. Users committed to supporting the project are rewarded amply through direct and indirect mechanisms, access to premium features, marketing campaigns, and most of all healthy, sustained growth of the 1Hub.ai project.

Access token

Selected features of the 1Hub.ai platform will be available exclusively for 1HUB holders, moreover benefitting from early access to newly implemented AIs and latest development before anyone else.

Reduced service fee

Holding 1HUB tokens reduces the AI Surcharge (see "Subscription Model"), making the 1Hub.ai platform even more accessible for committed supporters.

Platform currency

In the upcoming Phase 2 Decentralized GPU Cloud, the 1HUB token plays a key role: Users pay for GPU power in 1HUB, and those providing GPU power receive 1HUB. Alongside, feedback rewards and marketplace transactions are also processed in 1HUB tokens.

Roadmap

The 1Hub.ai project is conceived to have both short-term impact on the AI community, and bring long-lasting change to the world inside and outside of AI technology.

Aside from continuous effort such as improving the platform in accordance with users' needs, wishes and feedback, implementing new features and AIs, and expanding through partnerships and networking, the 1Hub.ai roadmap paves the ground for developing a healthy, stable and successful business.



Q1 2024

- Ideation, research, exploration of concepts
- Networking, forming early supporting partnerships
- Initial team building
- Design / creative process (name, logo, branding etc)

Q2 2024

- Brand building
- Community building
- Forming partnerships and associations
- Starting negotiations with AI providers
- Fundraise start
- Whitepaper
- Landing page

Q3 2024

- Product MVP release
- Fundraise finish
- Promotion at Web3
- Dubai event
- Testing phase (free)
- Payment gateway implementation
- Product full release
- Full website

Q4 2024

- 1HUB token launch (TGE)
- 1HUB CEX & DEX listing
- Team expansion
- Phase 2 development start
- Additional services development start
- Ongoing product development
- Usability improvements
- Integrating user feedback
- Keeping up-to-date with market