

Rigel Protocol



A decentralized blockchain protocol
for all your defi needs.



Building Dapps with the best user experience and Low fees...

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Abstract

01

Rigel Protocol is a Blockchain Decentralized protocol for a diverse set of DeFi products. A protocol built to improve upon existing Decentralized Finance (DeFi) features while introducing several innovative DeFi products to propel scalability, security in the Blockchain, user experience and adoption.

Several DeFi products are introduced, like; Cross-Chain operations, Smart-swap, yield farming, Leverage trading, Decentralized Gaming, the Launchpad and SmartBid. RigelProtocol's Leverage Trading ecosystem will be powered with \$RGP token.

The \$RGP token is used to reward the Liquidity Providers. Rigel Protocol is completely designed, set up, developed, and driven by the Rigel Protocol community. Yield farmers and lending providers can receive \$RGP tokens. Rigel Protocol Yield Farming feature protects cash-flow providers by having a Considerable APY(Annual Percentage Yield). Power and ownership are kept within the user, leaving the control of the funds to the community in a decentralized and non-custodial way.

In summary, the Rigel protocol is a creative solution made specifically to innovate DeFi solutions to improve upon existing standards within the market. We are actively solving the setbacks created by the current DeFi ecosystem.

History Of Blockchain

Stuart Haber, a researcher from the University of Wisconsin, alongside W. Scott Stornetta, conducted research and came up with a system that used the concept of a cryptographically secure chain of blocks to store and secure time-stamped documents.

Sometime in 1992, Merkle Trees were included to make the concept of blockchain more practical by allowing multiple documents to be combined into one block. Merkle Trees could be used to create a "secured chain" of blocks.

In 2004, a computer scientist and cryptographic activist: Hal Finney, created a system called Reusable Proof of Work (RPoW) to prototype digital cash. This was an important first step in the history of cryptocurrencies. RPoW avoided double-spending by registering token ownership on a trusted server. This server allows users around the globe to check its integrity and correctness in real-time.

In 2008, Nakamoto created the first blockchain. From there the technology evolved and has expanded its utility spectrum across various applications. Satoshi Nakamoto published the first whitepaper on the technology in 2009. This whitepaper outlined how technology could be used to increase digital trust, stating that it was decentralized and no one would have monopolistic control over it.

In 2013, Vitalik Buterin started working on a blockchain now more commonly referred to as Ethereum. It could perform various other functions apart from its peer-to-peer network enablement. This was a significant moment in the history of Blockchain Technology.

Since it supports smart contracts, the Ethereum blockchain has grown to be one of the most popular applications of blockchain technology. It can perform many functions and has been able to build a strong developer community, which has allowed it to establish a true ecosystem.

Credit to these marvellous innovations of the past, the future of blockchain looks brighter than ever! Today, these are now facts;

- 0.5% of the world's population now use blockchain technology.
- there are 42,290,501 blockchain wallet users worldwide as of September 2019
- the US is expected to spend around \$2.6 billion on blockchain solutions
- by 2022, the global blockchain spending is expected to reach \$6.6+ billion
- More than 50% of the governments are planning to invest in this technology even though it remains a hidden fact. Most actions point us in the direction of controlled adoption.

Introduction To DeFi

Decentralized Finance (DeFi) is the materialization of the concept of the blockchain of things; where everything finance can be decentralized. It basically refers to transforming existing financial structures from their centralized nature. With DeFi, decentralized insurance is possible, savings, loans and so many other services offered by our financial institutions, are completely transformed.

With regular centralized finance systems, human gatekeepers can limit the speed of transactions while offering users less direct control over their financial assets. DeFi is distinct because it expands the use of blockchain from simple value transfer to more complex financial use cases. It also has a lot of distinct advantages over a centralized system. Some of these are;

Privacy

Privacy has become a very important matter for many people today. A huge amount of data is collected from and on each person every day through the use of common devices.

Decentralized servers and platforms can keep files and records safer than centralized platforms. With data stored across multiple computing machines in multiple locations, the risk of a single entry point is mitigated and makes less data accessible at each point.



Decentralized platforms can even avoid holding sensitive information altogether by not storing passwords and using other Keystore methods to allow users to retrieve information, taking trust completely out of the equation.

With decentralized Platforms, people do not need to provide their information to third parties, and there are usually no registration or KYC requirements for using the platforms.

Cheaper Transaction Fees

Decentralized Platforms usually have lower fees when compared to trading on centralized exchanges. Crypto traders are always looking for the lowest rates to trade their assets. Eventually, this will cause centralized exchanges to drop their fees to enable them compete with decentralized Exchanges.



Lower Risks

When some of these centralized exchanges get hacked, basically almost all of their users lose their funds. This is not an issue with Decentralized Platforms because trades or transactions are made directly between people through an automated process without relying on intermediary institutions.



Financial Inclusion

Many centralized exchanges restrict people from certain jurisdictions from using their services. This is not an issue for Decentralized Platforms because anyone from anywhere in the world can use them. This creates a much more inclusive and a fair ecosystem.

Despite these benefits, Decentralized Platforms are in their very early stages, and a lot of development still needs to be done. Some of their disadvantages include a poor user experience, little or no customer support, only crypto-to-crypto trades, and scalability issues. Rigel Protocol Platform aims to address several of these challenges and make Blockchain Technologies and cryptocurrencies more accessible and functional for a wider range of users.



Introduction To **Rigel Protocol**

Rigel Protocol was designed to bring new solutions to the DeFi space. It is a decentralized protocol that aims at giving the community access to several instruments that help the expansion of Blockchain technologies' adoption in daily life. Rigel Protocol is completely designed, set up, developed, and driven by the Rigel Protocol community. All proposals and decision-making are established and decided within the community.



Various DeFi products are introduced, such as: cross-chain operations, token swapping, yield farming, Leverage trading, and many more. All these features are built to provide a wide range of opportunities for the users to profit from the platform.

A protocol built to revamp existing Decentralized Finance (DeFi) products while introducing several innovative DeFi products in order to boost and support scalability, security, improve user experience and adoption.

Rigel Protocol is a platform made specifically with users' interest as the apex priority. As decision making and ownership are kept within the users, it allows complete asset control through non-custodian means. No KYC is required, anonymity is guaranteed: users keep their identity private. No passwords, wallet keys, seed phrases or 2-factor authentication are needed to use the platform. All transactions and interactions are handled by verified and audited smart contracts.

To ensure high-speed transaction, low latency, low fees, and quick adoption, RigelProtocol is accessible on both the Binance Smart Chain and the Ethereum eBlockchain, with plans in motion for it to be integrated on the Polygon network.

The concept of DeFi is still within its formative periods. A whole lot of contemporary DeFi products are still within their formative phases. We plan on leaving a lasting footprint on the surface of the DeFi ecosystem, just like Bitcoin did with cryptocurrencies.

Supported Chains

Rigel will host its smart contract protocols on Binance Smart Chain, Polygon Chain and the Ethereum Chain. For extra layers of security, it will be built using solidity. The addition of various other chains would be discussed among our community members through the governance module of the platform.

Rigel Protocol combines the use of the Binance Smart Chain, Polygon Chain and the Ethereum Chain to secure cheaper fees and faster transactions in swapping, yield farming, and Leverage trading, among others, while having access to a wide scope of tokens and liquidity. Rigel Protocol has its native token: \$RGP.

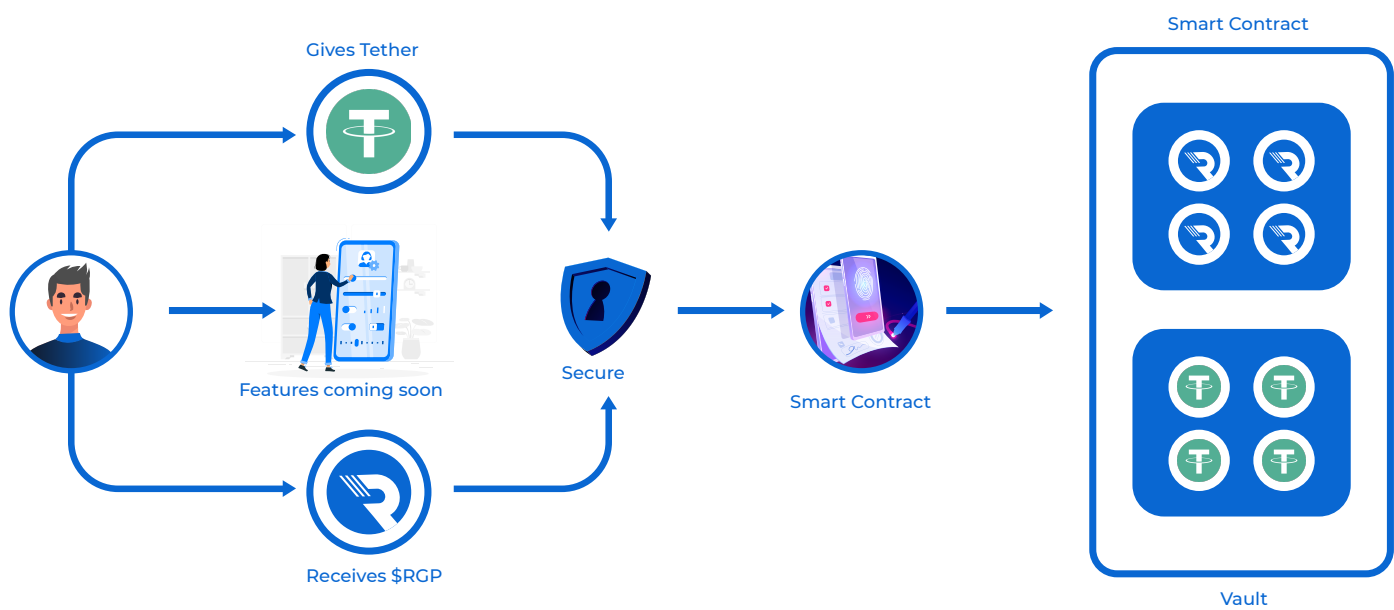
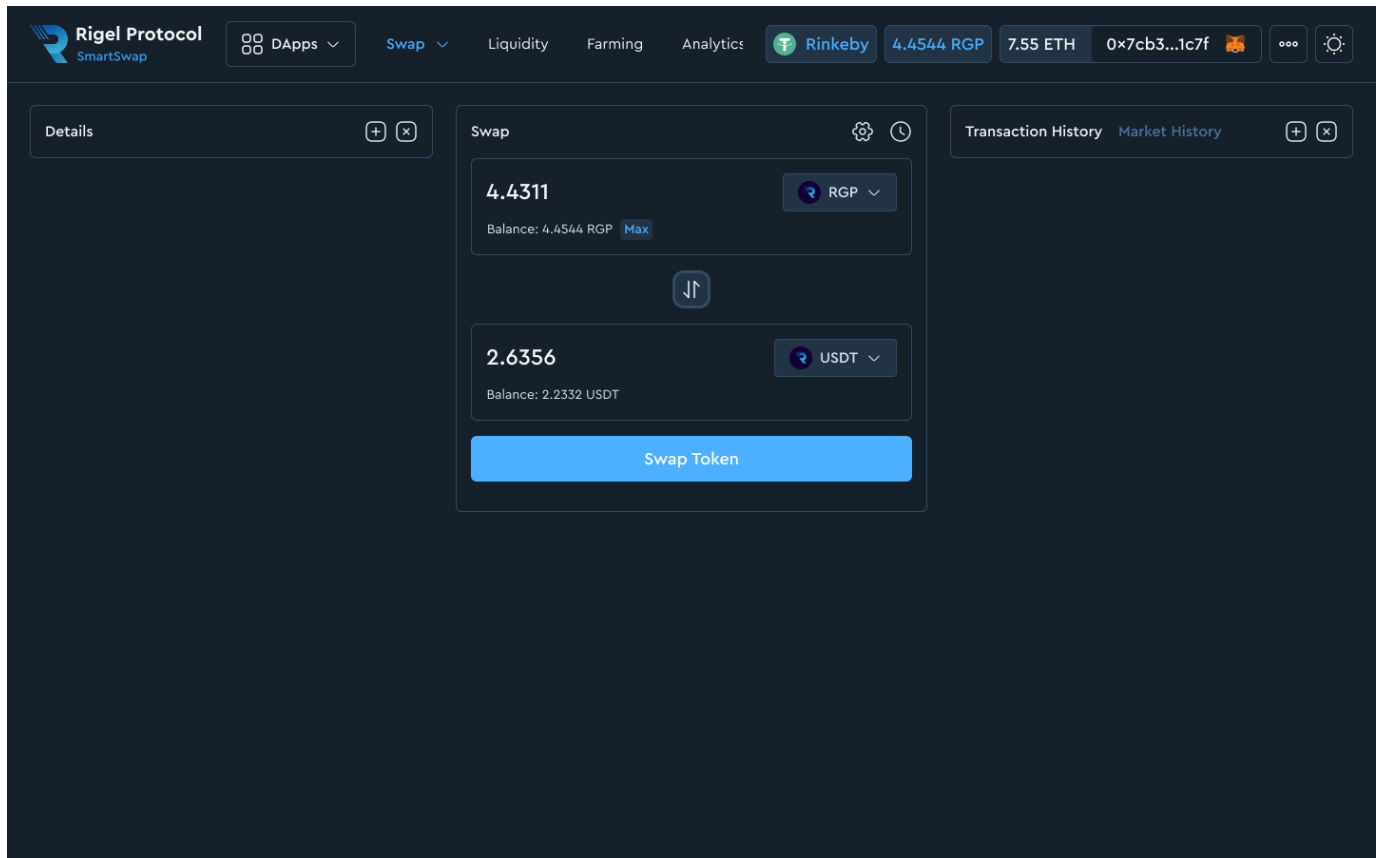
Rigel's Smartswap^{2.0}

Rigel's Protocol Smart Swapping is our fundamental exchange which will allow users to trade various tokens like BNB, BUSD, USDT, ETH, TRON, BAND on the Binance Smart Chain, Polygon Chain and the Ethereum Chain alongside many other tokens like USDT, LINK, DAI, CRO, UNI, YFI, OMG, HEX, AXL and many, many more.

This will be quite different from the DeFi 2.0 Swapping Exchange we are familiar with. It will be a refined Smart Swapping with improved User Interface / User Experience as well as newly added and valuable features.

Our community members will also be able to provide cash-flow via the liquidity pools, enabling them to earn a percentage from the fees generated on the Rigel Protocol platform. Users will enjoy quick and cheap swap operations between various tokens and chains within a new environment, with seamless user experience directly from their wallets without the need of order books or deposit transfers.


DApp Link ➡ <https://smartswap.rigelprotocol.com>



Exchange Swapping Experience

Rigel Yield Farming

Rigel Protocol Yield Farming will provide a decentralized platform that will protect liquidity providers by having a Considerable APY(Annual Percentage Yield). This will allow users to farm tokens over the period taken based on the assets supplied to the platform by project owners.

Rigel Protocol

SmartSwap

DApps

Swap

Liquidity

Farming


Analytics

T


Rinkeby

4,4544 RGP

7.55 ETH

0x7cb3...1c7f 

...









Liquidity Pools

Staking

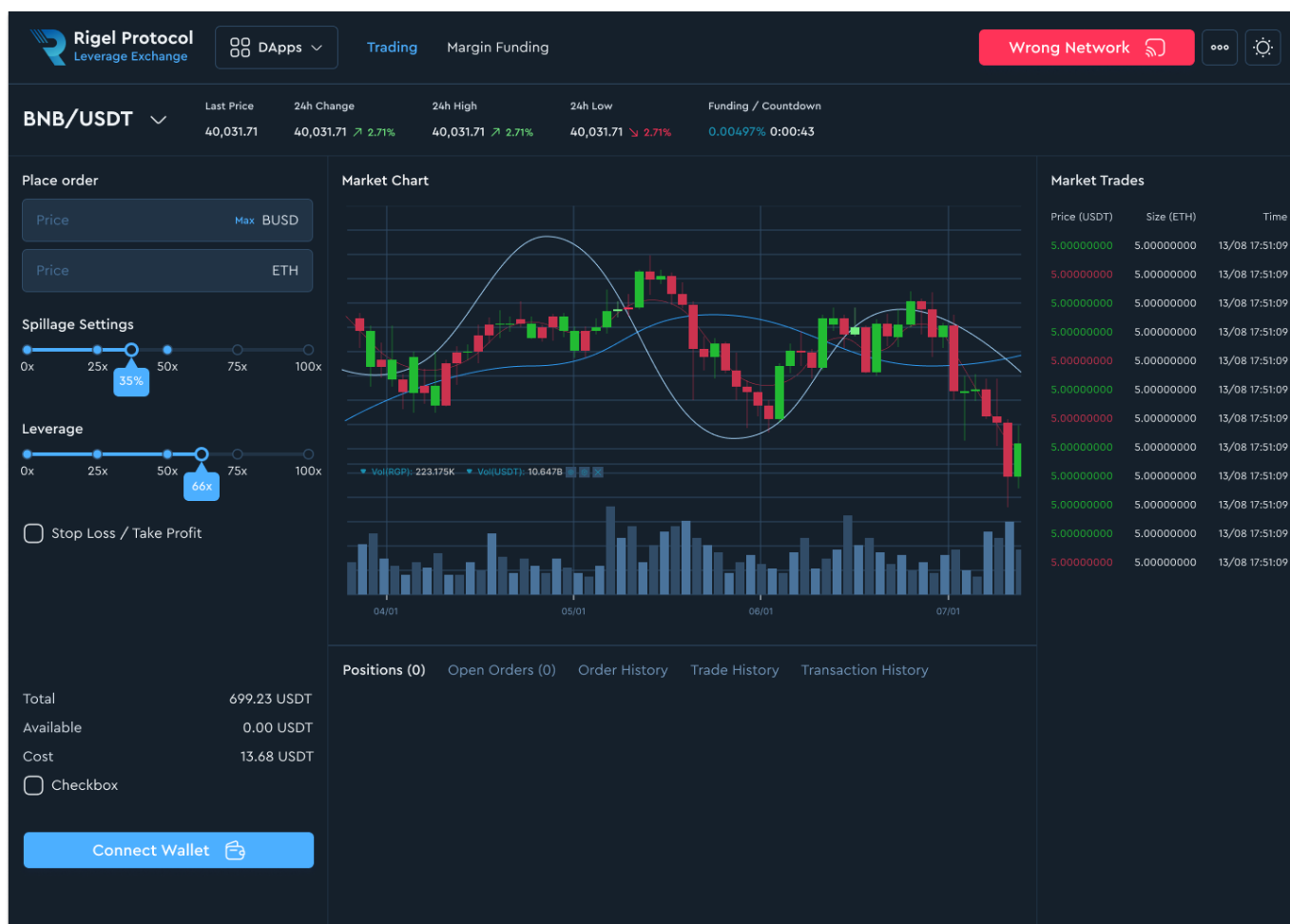
V1

V2

Deposit	Earn	APY	Total Liquidity	
RGP - BUSD	 RGP	300.60%	\$1,365,320	<div>Unlock</div>
RGP - BUSD	 RGP	300.60%	\$1,365,320	<div>Unlock</div>
RGP - BUSD	 RGP	300.60%	\$1,365,320	<div>Unlock</div>
RGP - BUSD	 RGP	300.60%	\$1,365,320	<div>Unlock</div>
RGP - BUSD	 RGP	300.60%	\$1,365,320	<div>Unlock</div>
RGP - BUSD	 RGP	300.60%	\$1,365,320	<div>Unlock</div>

Rigel Leverage Trading

Leverage is referred to as the money borrowed from a lender to purchase an investment and is the difference between the total value of an investment and the loan amount. Leverage trading refers to the practice of using borrowed funds from a lender to trade an asset, which forms the collateral for the loan from the lender. In Crypto, most lenders are centralized exchanges. This can lead to a conflict of interests since prices can be easily manipulated by these exchanges to increase their profits when user predictions are wrong.



RigelProtocol will introduce Leverage trading to the decentralized finance space to help users tackle problems related to leverage trading. The Leverage trading product will be more user-centric enabling a new set of foundations for Leverage traders. These foundational features include the following

Decentralization

RigelProtocol Leverage trading platform users would enjoy decentralization freedom without ever going through Know Your Customer (KYC) processes. Anonymity combined with the highest level of security, is given optimum level priority

Reduced Manipulation

A lot of manipulations occur on centralized platforms when it comes to the prices and supplies of certain assets. Rigel Protocol Leverage Trading products would take advantage of prices from various top DeFi Trading platforms.

Non-Custodial Wallets

This will enable users to hold their funds without having to store or deposit them on exchanges. Users will have complete control over their assets at every point in time. This gives the highest level of security as one hack cannot ultimately place the assets of all our users at risk.

Profit Share

Users can provide funds (Liquidity) to the lending pool through the RigelProtocol lending interface. These funds will be collateralized and lent out to users who need these funds. Charges and interest that accrue from this, will be given to users who provide liquidity to our lending pools.

Lender's Profit

Lenders funding Rigel Protocol lending pool will also earn profits gained from funds lost or liquidated positions by Leverage trading users.

How Will It Work?

For the Leverage trading feature, it would require two sets of users:

- The Lending Pool Provider (Rigel Lender)
- The Leverage Trader (Rigel Trader)

The Lending pool provider will add funds to the Leverage lending pool. Funds will then be available to be leveraged by the leverage trader. The Leverage Trader chooses a leverage size and sets a collateral based on the level of risk he is willing to take. The Leverage Trader can choose a buy or sell position. If the trade goes in favor of the Leverage, Trader profits are assigned to the Trader's wallet address. Otherwise, the losses or liquidated amounts are added back to the lending pool which will then be distributed amongst the Lending Providers, RigelProtocol governance community, or RigelProtocol token native holders and Rigel-Protocol treasury.

Rigel's Gift DApp

The RigelProtocol GiftDApp is a brand-new addition to our growing and ever-expanding ecosystem of Decentralized Applications. Users can now win prizes and send gifts to other users through the application. This DApp will also be available for other DeFi projects to reward their users.

Gifts and Rewards drive engagement and activity in a community like nothing else. With our intuitive and easy-to-use interface, your followers are sure to get a comfortable and hassle-free giveaway experience.

Members will be able to win various RGP token values and other compatible tokens. They can also purchase 'spins' to give to other users. DeFi projects can apply for the Gifting DApp in order to reward and promote their platform among their user base.

The Rigel Protocol GiftDApp is the best giveaway platform you'll ever use. It provides an array of new accessibility features and benefits that are completely unique to itself:

1 Projects can:

- a Increase hype, support, and user base
- b Land major investors by becoming more reputable
- c Generate more clicks and popularity

2 Individuals could:

- a Claim instant rewards from their favourite influencers or projects
- b Get guaranteed security with decentralization
- c Refer us to their friends for more rewards

3 Influencers could:

- a Increase hype, support and user base
- b Improve their analytics - engagement, likes, subscribers etc

DApp Link ➡ <https://gift.rigelprotocol.com>

Rigel Protocol
GiftDApp

Dashboard Rewards Events

Rinkeby 4,4544 RGP 7.55 ETH 0x7cb3...1c7f

Gift Rewards

Create an interesting experience for your followers and users to get rewards. You have the opportunity to create a reward event as an influencer for your followers or as a project for your users.

For Influencers

Become a *reputable* influencer with the opportunity to gift crypto to your followers and subscribers.

- ✓ Reward your followers and supporters
- ✓ Become more reputable.
- ✓ Generate more clicks and popularity.

[Get Started](#)

For Projects

Reward your users in a funny way while also saving *time* and *money*.

- ✓ Increase hype, support and userbase.
- ✓ Land major investors by becoming reputable
- ✓ Generate more clicks and popularity.

[Get Started](#)

For Everyone Else

Still curious about what you can accomplish? We let you do it all:

- ✓ Claim instant rewards from your favourite influencers and projects
- ✓ Refer your friends for more rewards

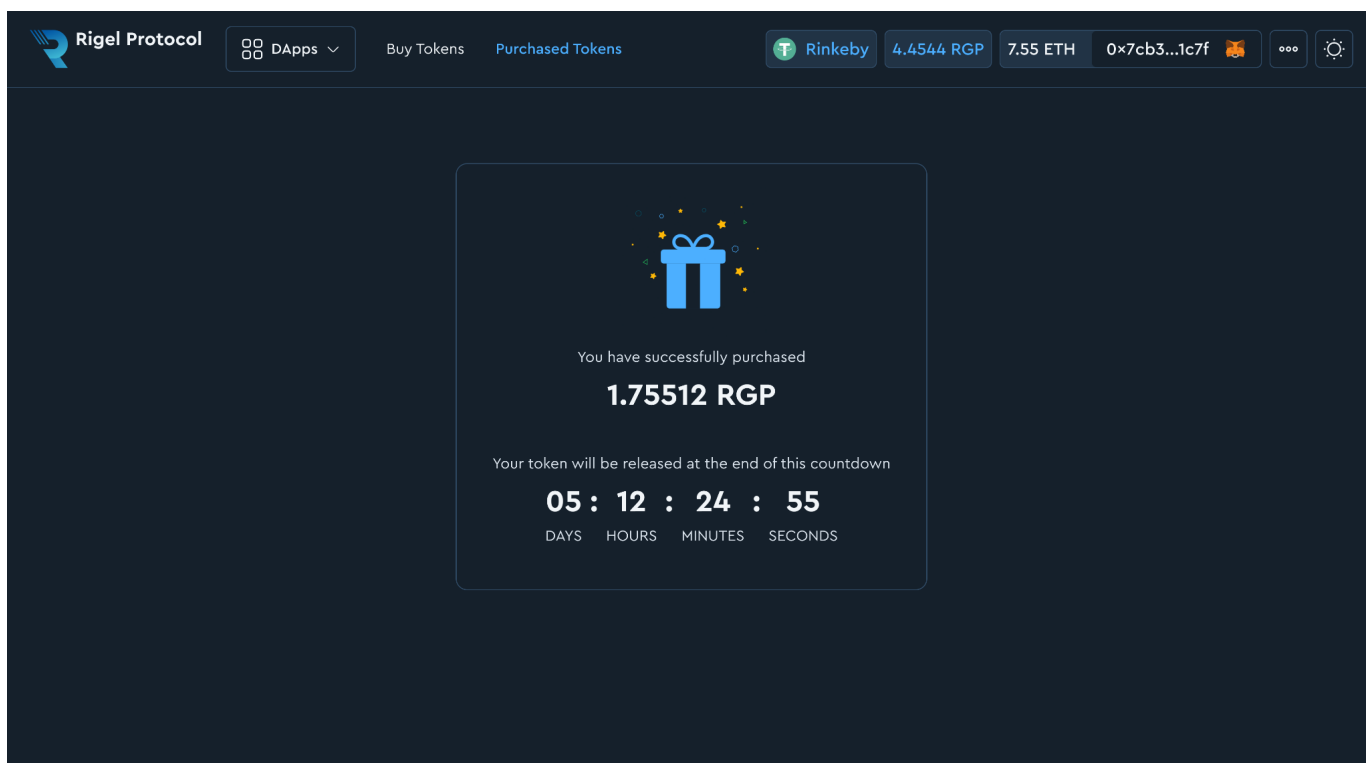
[Get Started](#)

R I G E L P R O T O C O L

Rigel's DeFi Features

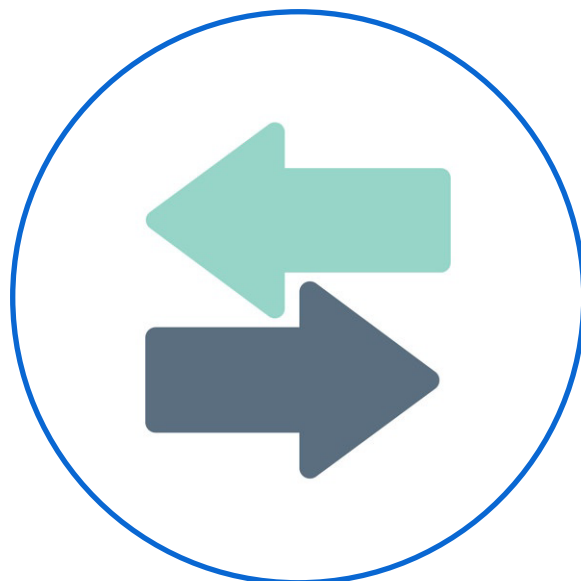
Rigel's Launchpad Technology

The Rigel Protocol's LaunchPad is a product that allows users to buy new tokens directly on the platform. Our Launchpad gives project/product representatives the advantage of launching their products for decentralized, secure, fast and reliable investment purposes and users get to join the whitelists. It also gives investors the advantage of choosing suitable projects they can invest in, after thoroughly understanding the project details or description.



Cross-Chain Swapping

Cross-chain swapping will be developed afterwards. This feature will enable users to swap their \$RGP Tokens irrespective of the involved chains. Taking the scenario; \$RGP Ethereum Chain tokens to \$RGP Binance Smart Chain tokens and vice versa.



Governance

The Rigelprotocol Platform would support a governance feature in 2022. The governance platform is expected to feature and display epic functionalities which will give \$RGP holders and the Community more power to govern the entire Rigelprotocol Ecosystem. Some key functionalities to expect are fees allocations, proposals, voting, exchange listing and Reviews.



Gaming

Working on several products the last few months has kept us from the gaming DeFi sphere. Not to worry we are back on this. We will be launching our very first game 'Play to Earn', in (2022). In line with this, we are still going to focus on our series of Decentralized gaming products that will enable users to participate in tournaments. Players will be able to participate in the tournaments by using the platform's native token: \$RGP, All gaming fees would be paid in \$RGP tokens and Competition entry fees can be paid in any other coin or token. There will be several types of Tournaments - regular, league and knockout tournaments, with more options to be added by Community vote or proposals.



Metaverse

Decentralized Gaming alone isn't enough, we aren't going to disappoint. This is where we are leveraging the metaverse technology and innovation. In line with our Play-to-Earn Game, we would be launching our metaverse stalk backed by top partners and individuals. The entire ecosystem will be connected; from gaming to metaverse to virtual stores. The possibilities are limitless.





Token Utility

Rigel Protocol ecosystem native token will be “RGP” which will serve a variety of purposes, such as:

Governance

RGP token holders will be able to vote on product features, token utility, types of auctions and even decide which projects will be added or featured on the platform.

The Rigel Protocol governance ecosystem aims to build a solid and sustainable protocol for development and usage. RGP holders will be able to vote for ecosystem initiatives, new features and development, liquidity rewards distribution specifications, and other applications.

RGP holders need to stake \$RGP to be able to vote and to submit proposals. Proposals will be first discussed off-chain on the Rigel Protocol governance platform. The idea of this pre-voting mechanism is to promote proposal discussion before on-chain submission.

Once the proposal is ready to be submitted, there will be an on-chain vote. Every winning proposal is implemented.

Fees

Transaction fees will be paid in \$RGP

- **Payment Of Yield Proceeds**

Farming pools, swapping, and trading on the Rigel Protocol Platform will incur a fee deducted in \$RGP. Liquidity providers will receive APY (Annual Percentage Yield) in \$RGP when joining the corresponding pools.

- **Other Incentives**

Rigel Protocol will be governed by the people (users who hold \$RGP), making it fair for the people to enjoy various benefits. People deserve to earn dividend rewards through various incentives which will help in the growth and development of Rigel Ecosystem.

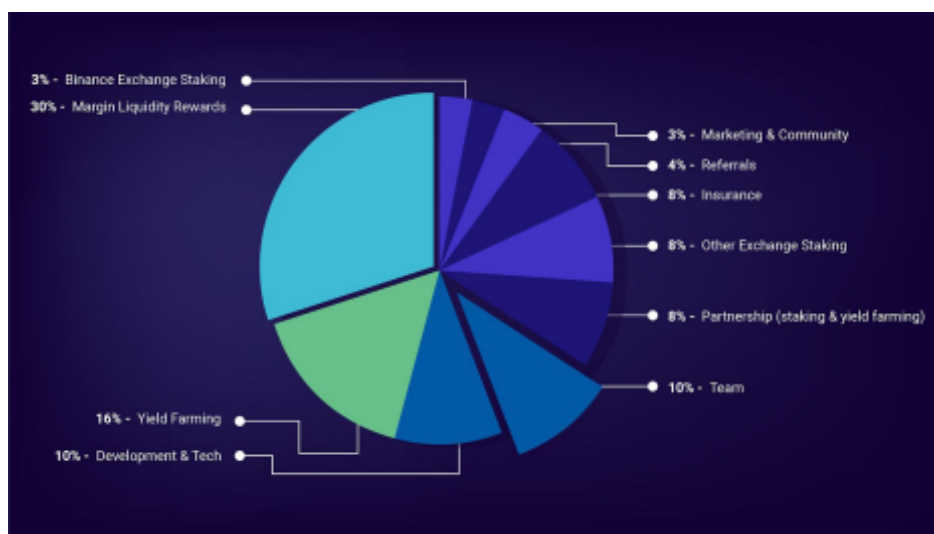
Token Distribution

RigelProtocol token maximum supply will be just 40 million \$RGP, with 50% each split between the Binance Smart Chain and the Ethereum Chain. The distribution allocation is done for the sake of Decentralization and for RigelProtocol products to easily gain traction and accelerate adoption.

Team token allocation will have a 24 months total locking period with a portion unlocked each month from the launch of our smart contract. This is to facilitate the RigelProtocol team to work hard to ensure that all the proposed features are realized and avoid early dumping. Again, in a sense of fairness, anyone with high-quality skills can join the RigelProtocol team at the early stages.

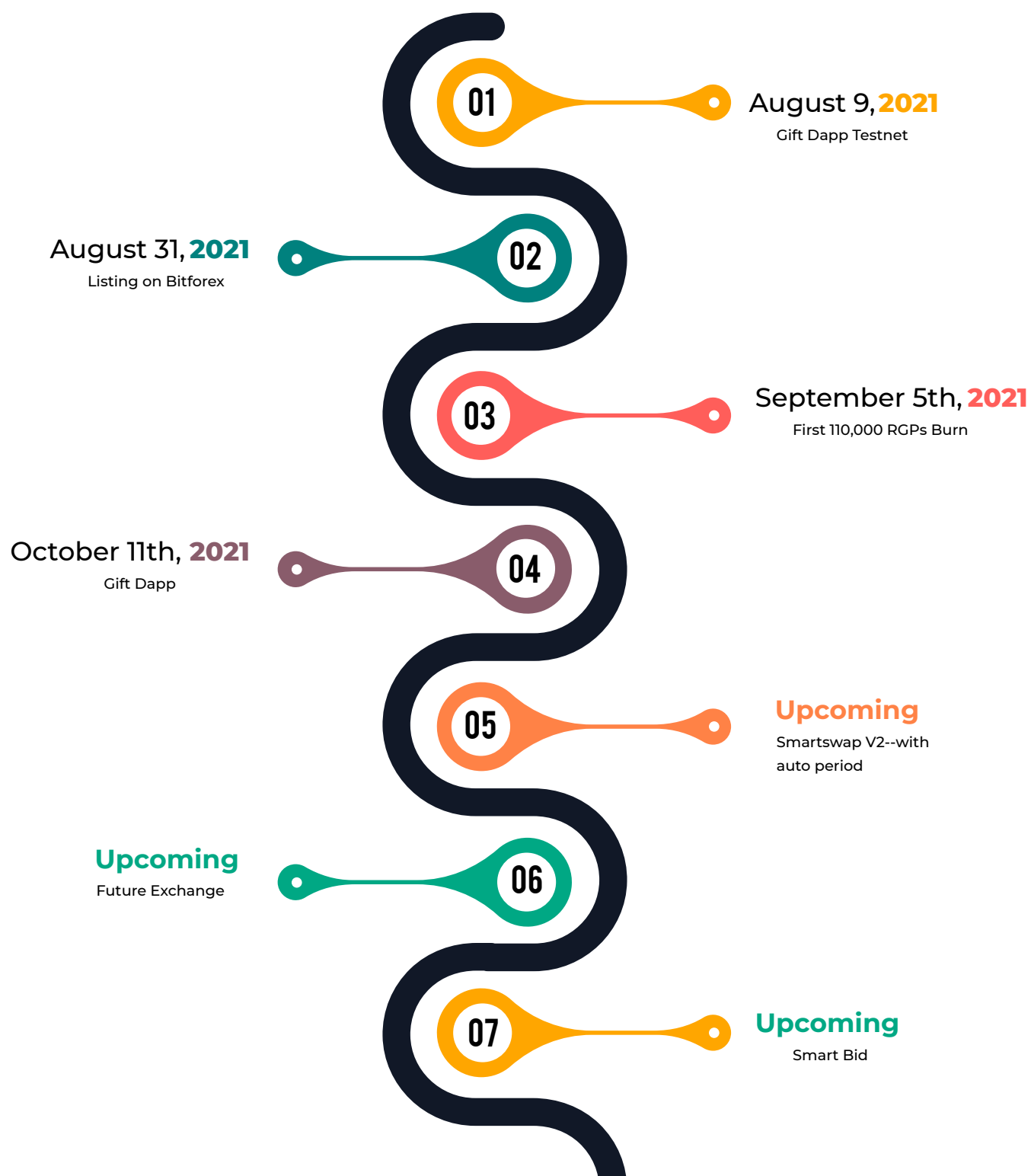
Remember we still have our allocation reserved for binance Launchpool...

The total distribution is highlighted below:



Chains	Binance Smart Chain	Ethereum Blockchain
Total \$RGP Tokens	20,000,000	20,000,000
Development and Tech	20,000,000	20,000,000
Leverage Liquidity Rewards	6,000,000	6,000,000
Team	2,000,000	2,000,000
Yield Farming	3,200,000	3,200,000
Marketing and community	600,000	600,000
Binance Exchange Staking	30,000	30,000
Other Exchanges Staking	150,000	150,000
Referrals	800,000	800,000
Partnerships (staking & yield farming)	1,600,000	1,600,000
Insurance	1,600,000	1,600,000
New Products	2,020,000	2,020,000

Roadmap



Q1, **2022**
NFTs Reward

08

Upcoming
Polygon Network

09

10

Q1, **2021**
Cross-chain & Governance
system

Q2, **2022**
Decentralized
Gaming

09

Conclusion

The long and overly detailed whitepaper we usually see isn't written here. You should see the features first hand rather than overly written futuristic features that would never materialize. We want to deliver solutions, not promises.

Thanks alot. Let us make this happen. Rigel Protocol belongs to everyone!

Translation

This whitepaper is translated in languages other than English for your convenience only. The information in the English version of this whitepaper shall take precedence in the event of a conflict between the translated version and the English version of this whitepaper. If you notice any inconsistency please report them to support@rigelprotocol.com.

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A decentralized blockchain protocol
for all your defi needs.



Building Dapps with the best user experience and Low fees...