

A decorative network graphic in the top right corner, consisting of a complex web of interconnected nodes and lines, rendered in a light blue color.

# RIVEX

A decorative network graphic in the bottom left corner, consisting of a complex web of interconnected nodes and lines, rendered in a light blue color.

enterprise

## GENERAL DESCRIPTION

The internet consists of billions of devices connected by a decentralized and distributed network. Most data on the internet is currently stored in a centralized way. A small collection of industry leading technology companies stores the almost endless amounts of information found on the internet in massive data centers which are vulnerable to data breaches and downtime. These data centers also face the challenge of meeting demand - expanding and upgrading hardware to house larger formats and increase transfer times.

Block-chain enables businesses from all industries to streamline their core functions to save time, money and reduce risk. New processes, and even new industries can be created. The early stages of internet were incredible for sharing information. E-mails, documents, pictures, music etc. could be shared with ease, but there was an underlying problem. It was difficult for people to prove who they were on the internet. Any transfer of value required a middleman, like a bank, to confirm the buyer and seller. Transactions have to be validated which is slow and costly as well as a centralized point of failure vulnerable to hacking. Blockchain is the new era of internet, capable of transferring value and data in a trustless, tamper-proof and secure manner. Identity verification through blockchain enables the exchange of money, stocks, loyalty points, intellectual property or anything else of value without the use of a middleman. This cuts costs, saves time and removes the central point of failure removing the risk.

## Blockchain as a Service (BaaS) – Enterprise Solutions

Customers are able to build, host and use their own blockchain applications, smart contracts and functions on the blockchain while the cloud-based service provider manages all the necessary tasks and activities to keep the infrastructure agile and operational. It is an interesting development in the blockchain ecosystem that is indirectly aiding the blockchain adoption across businesses. Blockchain as a Service (BaaS) is a blockchain service offering that allows business customers to use cloud-based solutions to develop, host and adopt their own blockchain applications, smart contracts and other relevant functions on the blockchain without the need of managing it all themselves. Cloud-based IT partners or service providers manage all the required tasks and activities to keep the infrastructure up and running and make it easier for businesses to adopt the technology. The rise of Blockchain as a Service is a significant development and an important milestone in the blockchain industry, holding the promise to accelerate the adoption of distributed ledger technology across businesses. The Blockchain as a Service concept is based on and works very similarly to that of Software as a Service (SaaS).

## RX Enterprise Chain Core Features

<b>Governance</b>	Fully compliant with all regulations including KYC and AML management with full privacy protection
<b>Privacy Protection</b>	One-time account and ring signature systems developed by leading cryptography experts
<b>Performance</b>	Rapid node deployment is achieved through the use of Docker's latest technology, while the rapid deployment of smart contract functionality is enabled through our standardized process
<b>Cross Chain</b>	The innovative cross chain protocol of our smart contract enabled digital assets allows for our industry grade chains to have unparalleled connectivity with other chains
<b>Usability</b>	Standard SDK and API enable rapid development for servers, mobile devices, and PCs

## RX Enterprise Chain Elements

### A. Integrated Tools and Functions

- API and Development Tools: SDK that supports Linux, Windows, OSX, iOS and Android.
- Private Key Protection: The SDK has both online and offline versions so that user's private keys can be worked with securely
- SDK Tools: The SDK Toolkit can be customized according to the business needs of the client, with integrated support for web and app development
- Diagnostic Tools: The Diagnostic Toolkit allows for comprehensive monitoring of the state of RX Enterprise Chain internal nodes so that issues can be quickly identified and resolved

## B. Consensus and Mechanisms

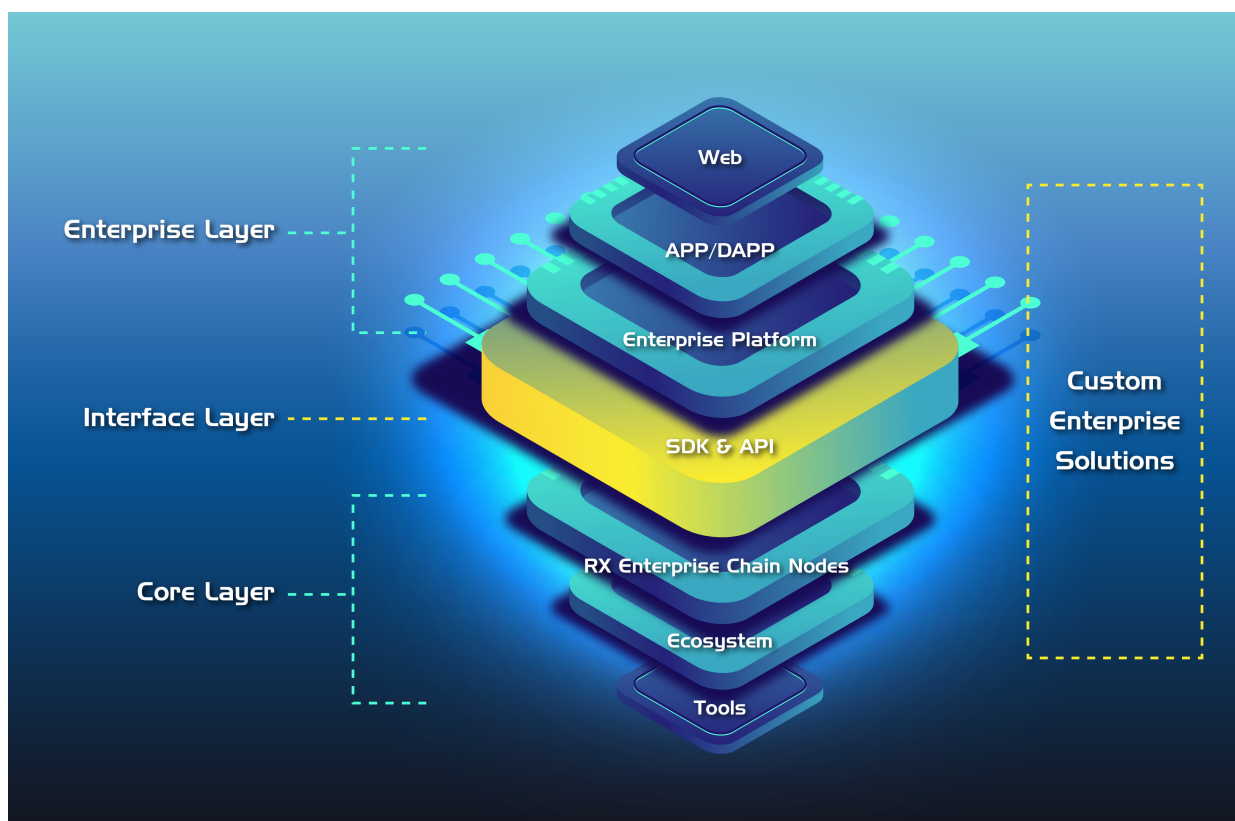
- Different Algorithm: Istanbul Byzantine Fault Tolerance (IBFT) method or Hyperledger Besu
- Node Management: Blockchain and node optimization via IBFT.
- GAS: Gas and incentives are highly customizable.

## C. Customization

- Seamless Customization: Easy customization of data query, frameworks, smart contract templates and writing permissions.
- Interactive Modules: RuleServer module allows for optimized queries of data on the chain as well as control of the rules and permissions of on chain data.
- Flexible Designs: Entirely customizable. Consensus methods, permissions system, storage, and other core aspects are all customizable according to your business requirements.
- Robust Smart Contracts: Customizable smart contract frameworks are available for a wide variety of different needs.

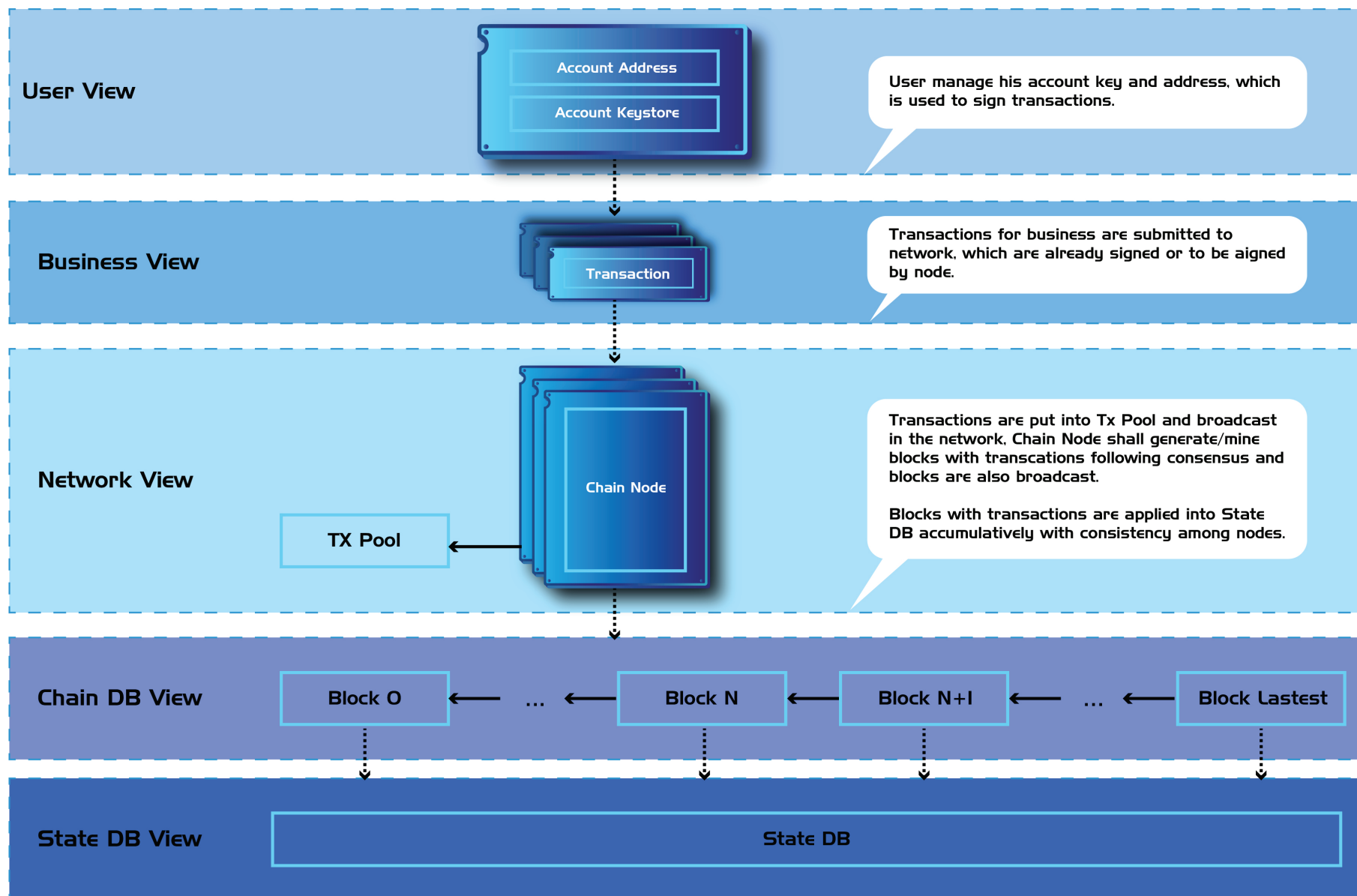
## D. Network

- Network Tools: Custom network deployment, network diagnostic tools and P2P network access control.
- Memory and Data: Memory optimization and data separated from private transactions.
- Storage: Clustered storage system on demand.





## High Level Architecture



## BaaS Packages

Product Feature	RX Enterprise Chain	EroX Only	RX Enterprise Chain + EroX
<b>Private Blockchain</b> 1. Private Blockchain 2. Internal Nodes 3. Interoperability 4. Privacy	YES	NO	YES
1. RX Office 2. RX Sign 3. RX BNS	NO	YES	YES
<b>Pricing</b>	- USD 10 monthly - USD 100 annually	- Free 30GB storage - USD 15 for 100GB storage - USD 40 for 300GB storage	<div> <div> <b>30GB</b>            - USD 30 monthly            - USD 300 annually         </div> <div> <b>100GB</b>            - USD 45 monthly            - USD 480 annually         </div> <div> <b>300GB</b>            - USD 70 monthly            - USD 780 annually         </div> </div>
<b>Professional Service</b>	Base on scope of work - Internal node deployment - RX contract customization - Smart contract deployment	Base on scope of work - Additional storage requirement - Enterprise integration - Access control	Base on scope of work - Design and deployment of node with storage - Customization of business design

## What is EroX?



The core component under BaaS is EroX. The design of EroX has benefitted from the collaboration of ideas formed by various organizations representing many industries, and regulatory engagement has been a key element of this design process. The requirements needed by industries formed the original basis of EFSS. The motivating problem, which EroX seeks to solve, is the problem of having a decentralized office suites, decentralized digital signatures and blockchain name service. Such instance, managing contracts or documents and other agreements between any combination of firms and individuals, especially when those parties trust each other enough to trade but not enough to have their counterparty maintain all the records. Regardless of industry or geography, we see the same inefficient pattern in today's business environment: institutions invariably maintain their own records, which record each firm's view of its agreements and positions with respect to its customer set and its trading partners. This duplication can lead to inconsistencies, and it drives a need for costly matching, reconciliation and fixing of errors by and among the various parties to a transaction. EroX is here to fix these problems.

## EROX Core Features

### RX Office

A powerful online office suite that supports all major document, spreadsheet and presentation file formats, which you can integrate in your own infrastructure. Key features are collaborative editing and excellent office file format support.

### RX Sign

Blockchain-based digital signatures for any type of documents. Enhance your workflow and security of sensitive files with RX Sign, the next-gen digital signature which comes with world class security and privacy.

### RX BNS

Blockchain-based domain name service. RX BNS enables engagement between IPFS hashes, smart contracts and wallet addresses.