The Enabler of Future Web3

EQBR

01 What is EQ Hub

No-code based blockchain development platform
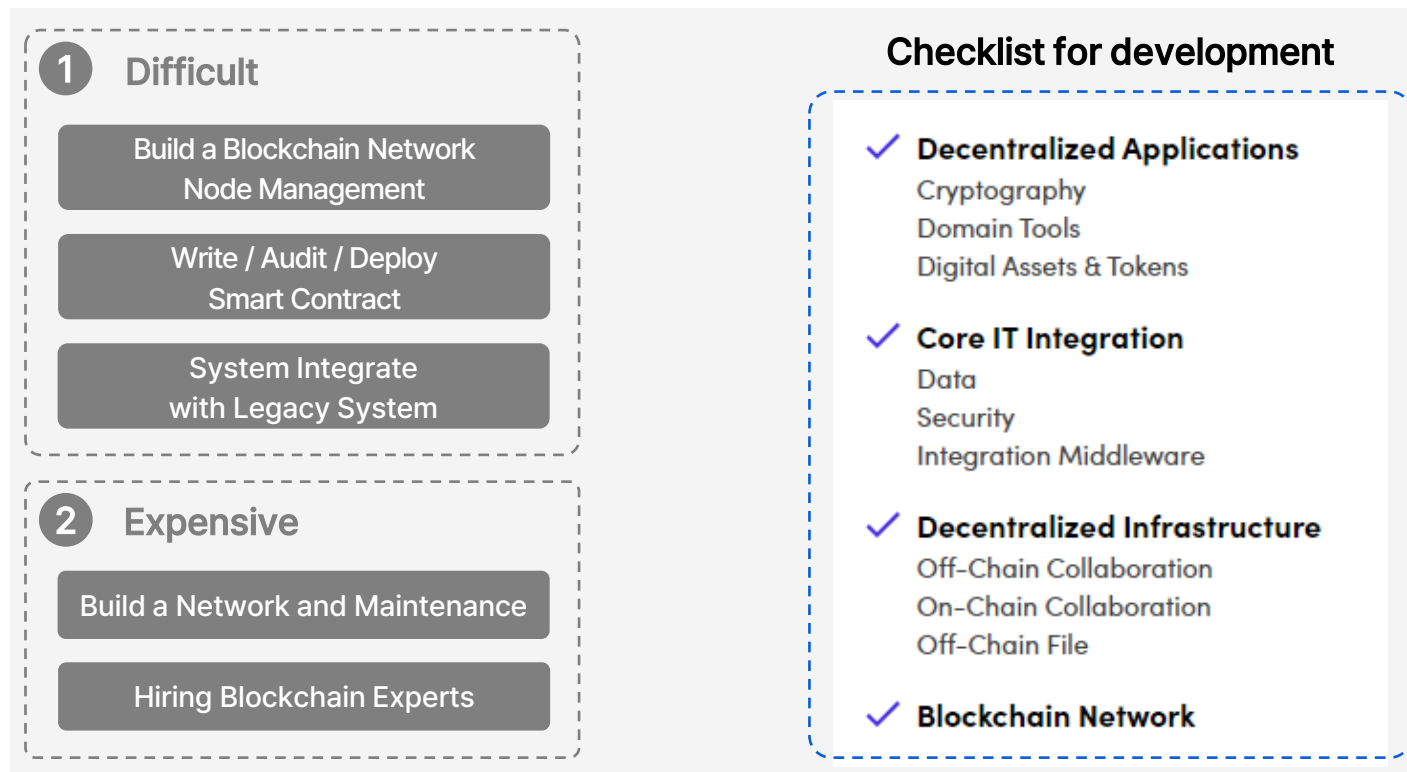
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Challenges for traditional companies in blockchain adoption

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- **Core components:**
  Blockchain Engine, Network Configuration, Mainnet, Node Management, Smart Contracts, Wallet, Block Explorer

- **Resource management:**
  Hiring blockchain developers and figuring out a way to integrate blockchain with legacy systems.

① Difficult

> Build a Blockchain Network
> Node Management

> Write / Audit / Deploy
> Smart Contract

> System Integrate
> with Legacy System

② Expensive

> Build a Network and Maintenance

> Hiring Blockchain Experts

Checklist for development

✓ **Decentralized Applications**
Cryptography
Domain Tools
Digital Assets & Tokens

✓ **Core IT Integration**
Data
Security
Integration Middleware

✓ **Decentralized Infrastructure**
Off-Chain Collaboration
On-Chain Collaboration
Off-Chain File

✓ **Blockchain Network**

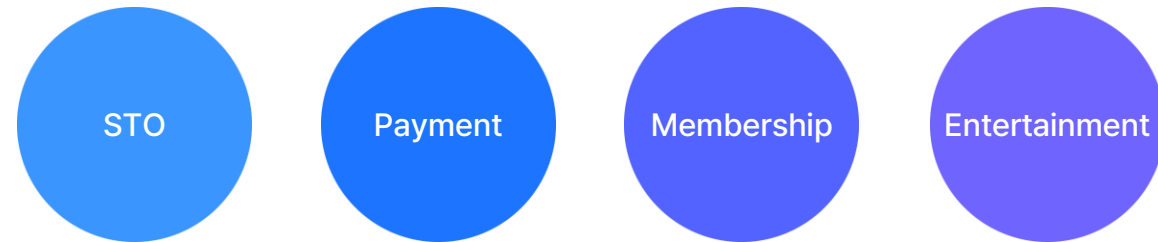# Enables blockchain adoption and delivers value to clients

EQBR

EQ Hub is an all-in-one package that provides **blockchain infrastructure, smart contracts and API libraries.**

EQ Hub aims to solidify its **BSP* position** by **delivering customized blockchain solutions across all industries.**
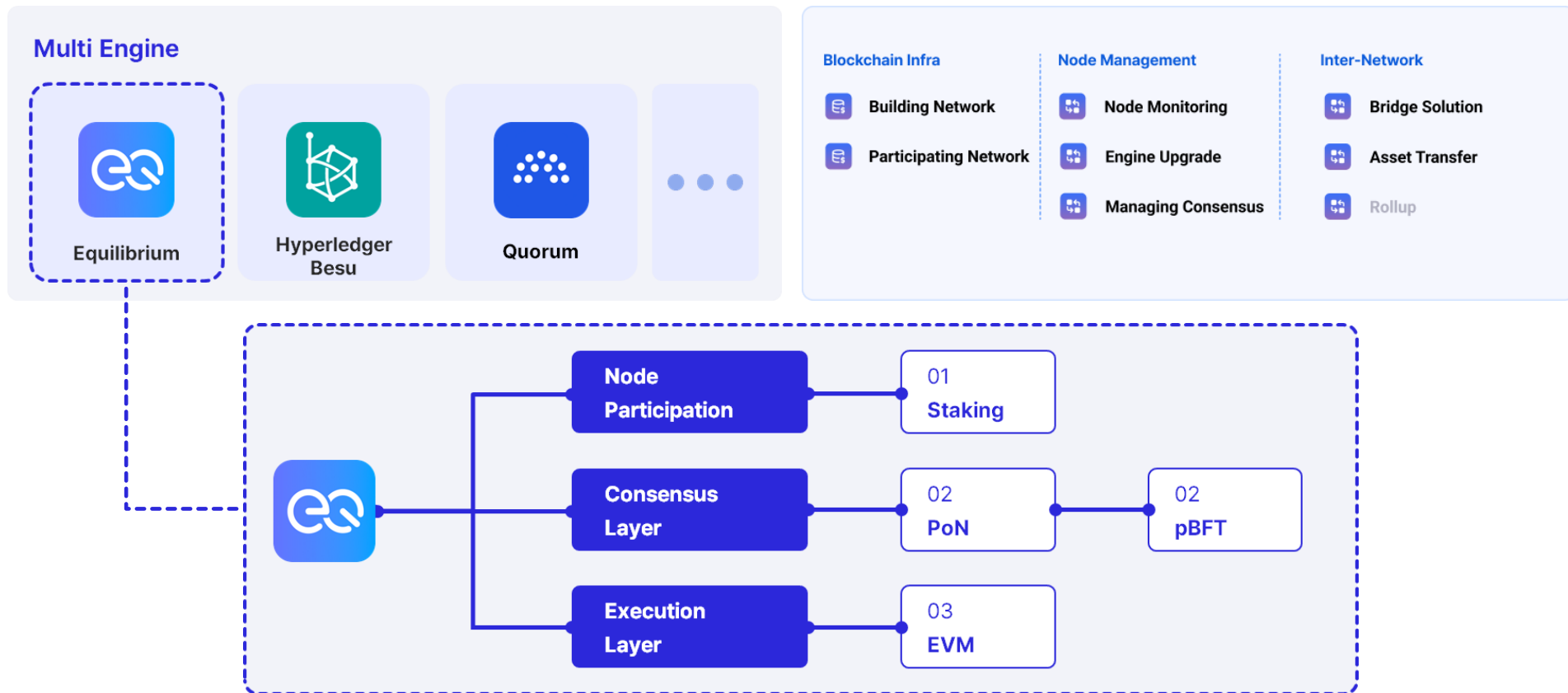**(*BSP : Blockchain Service Provider)**

EQ Hub

Interface and SDK and Tools
Smart Contract

Access Application

Wallet	Block Explorer

Node Management
Blockchain Engine

Examples of solution packages offered on EQ Hub

STO · Payment · Membership · Entertainment

- Providing packaged solutions with specialized smart contracts that can be used interchangeably across different domains

- Servicing Whisper, a wallet/messenger with 1.3 million downloads.

- Offering both Equilibrium, EQBR's proprietary blockchain engine, and global mainnets like Ethereum, Avalanche, Polygon, etc.

Building a blockchain infrastructure

EQBR

In building a mainnet, not only our own engine, 'Equilibrium', but also Besu and Quorum are supported.

Multi Engine

Equilibrium | Hyperledger Besu | Quorum | ...

Blockchain Infra
- Building Network
- Participating Network

Node Management
- Node Monitoring
- Engine Upgrade
- Managing Consensus

Inter-Network
- Bridge Solution
- Asset Transfer
- Rollup

Node Participation → 01 Staking

Consensus Layer → 02 PoN → 02 pBFT

Execution Layer → 03 EVM

Support public blockchain access

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In addition to Equilibrium-based networks, various public networks such as Ethereum and Avalanche are supported.

Multi Network

Ethereum Avalanche Polygon Solana Tron dYdX Aurora Klaytn Arbitrum Fuse

Supported Wallet

Whisper MSG Metamask
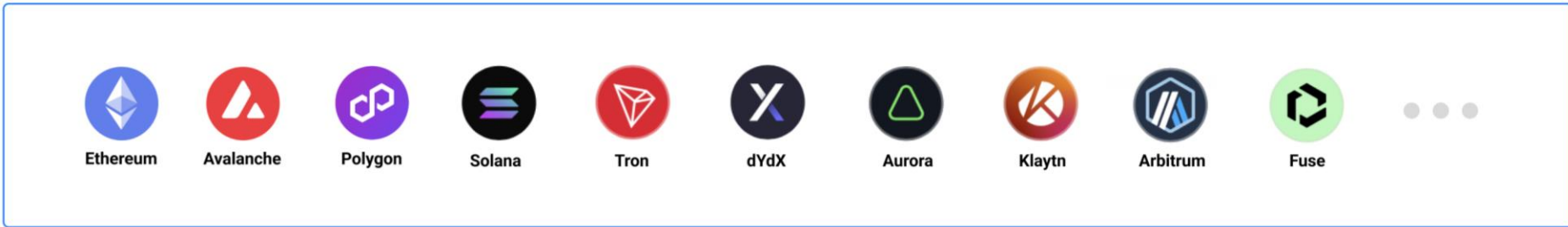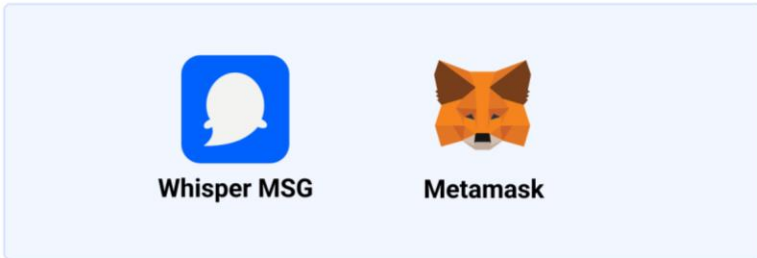
Supported Block Exploer

EQ FIELD

EQ Field

Dashboard API Key Web3 Provider API Docs Websocket SDK

Support blockchain service development

EQBR

Support for smart contracts that implement various assets and service features

Asset Smart Contract	Service Smart Contract		For NFT Market	For STO
ERC-20 (FT)	Payment	Vesting	Auction	Subscription
ERC-721 (NFT)	Gateway	DEX	Bidding	Deposit
ERC-1155 (NFT)	Offering	Splitter	Drop	User Virtualization
ERC-1400 (ST)	Airdrop	Market		Settlement
		Payment		
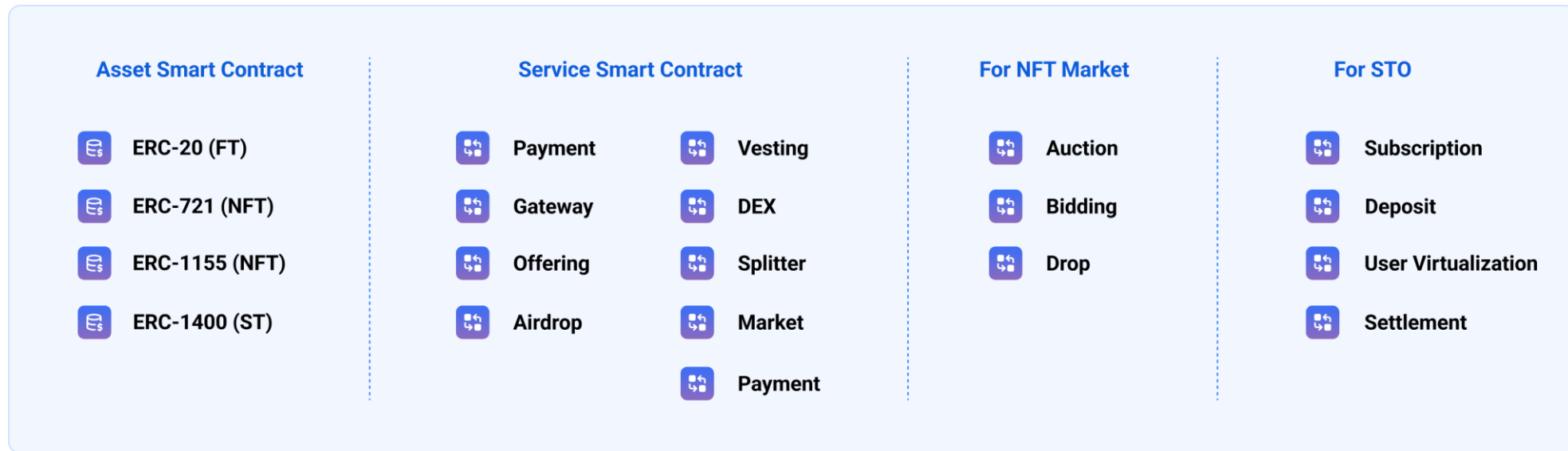
Separation of smart contract into Asset, Service, NFT, and STO

MPC	KMS	Chain Request	Vault	Webhook API	Debug Toolkit	SDK

Provides Web3 APIs and documentation
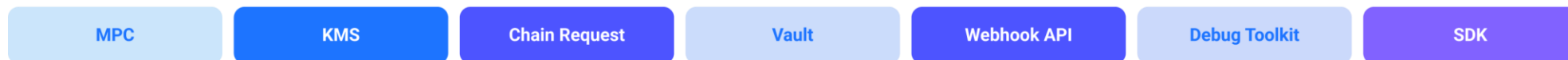
Provides various Web3 APIs required for DApp development and supports related documents and materials.

Provide data collection & visualization

Provides statistical indicators generated through EQ Hub services such as API and visualization data for BI (Business Intelligence).
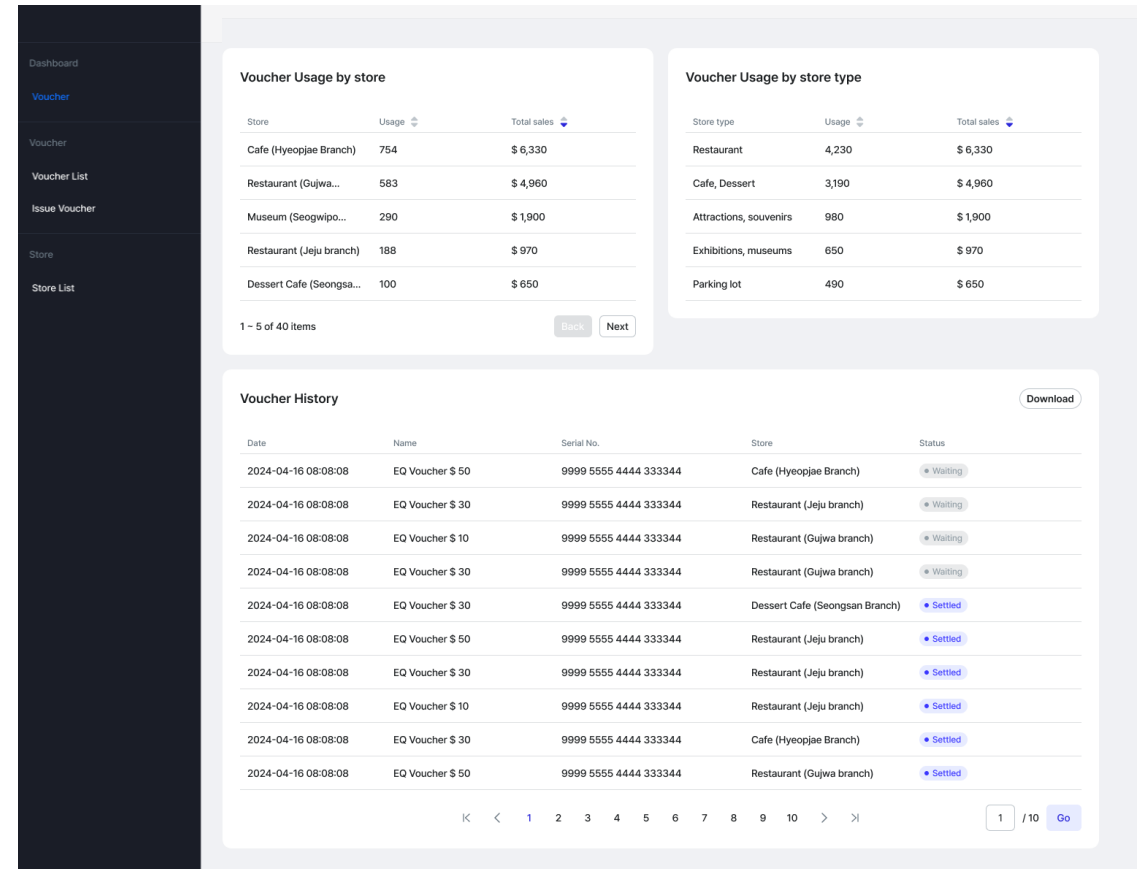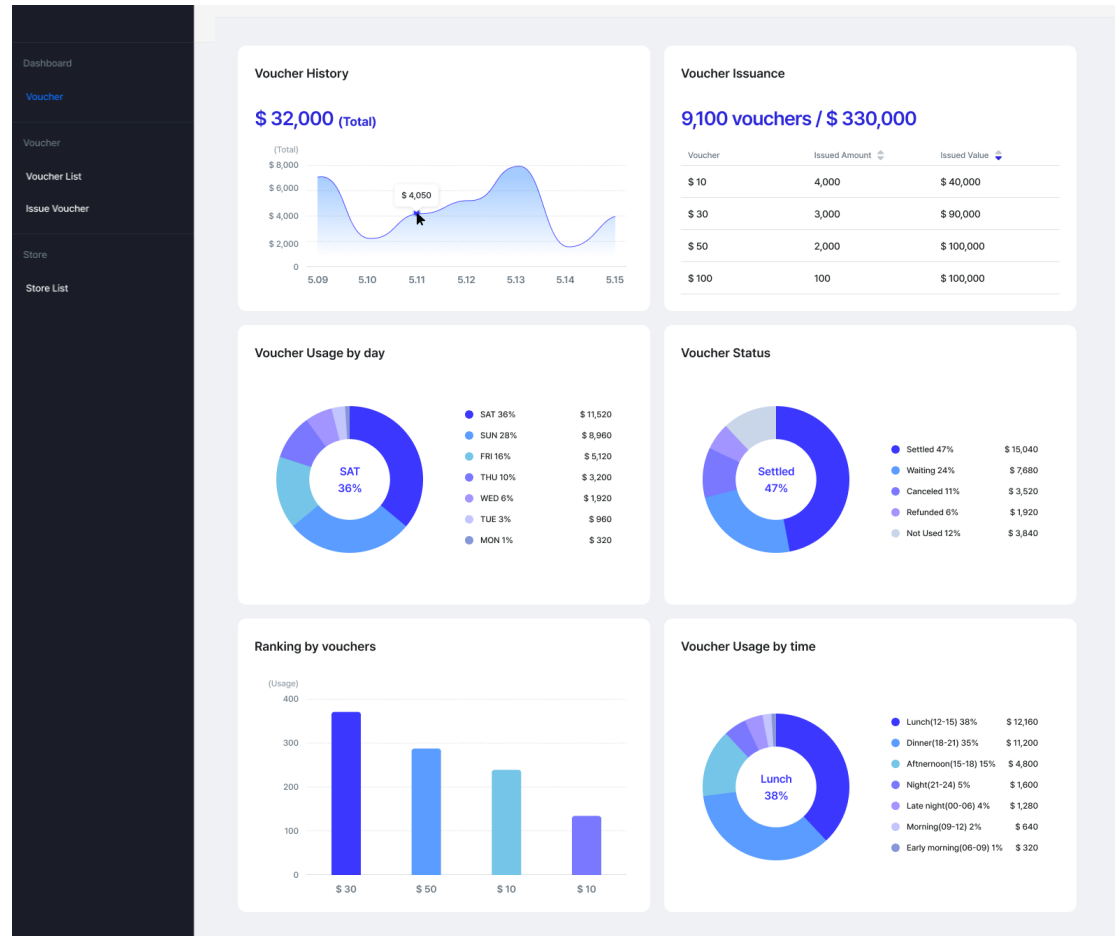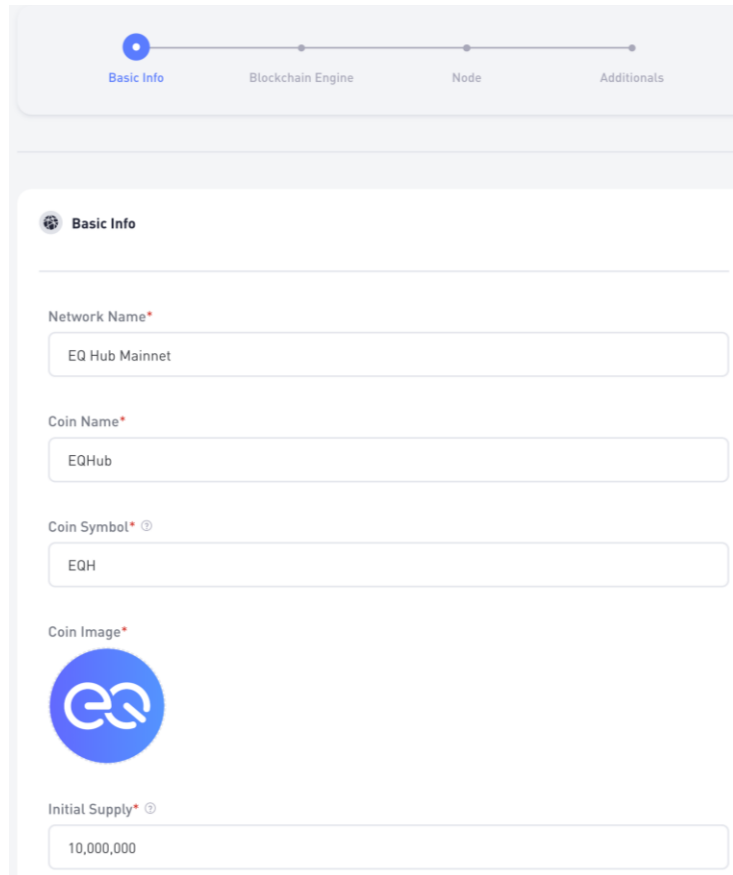
02 How to use EQ Hub

Easy and Quick from building blockchain infra to Web3 APIs

EQBR
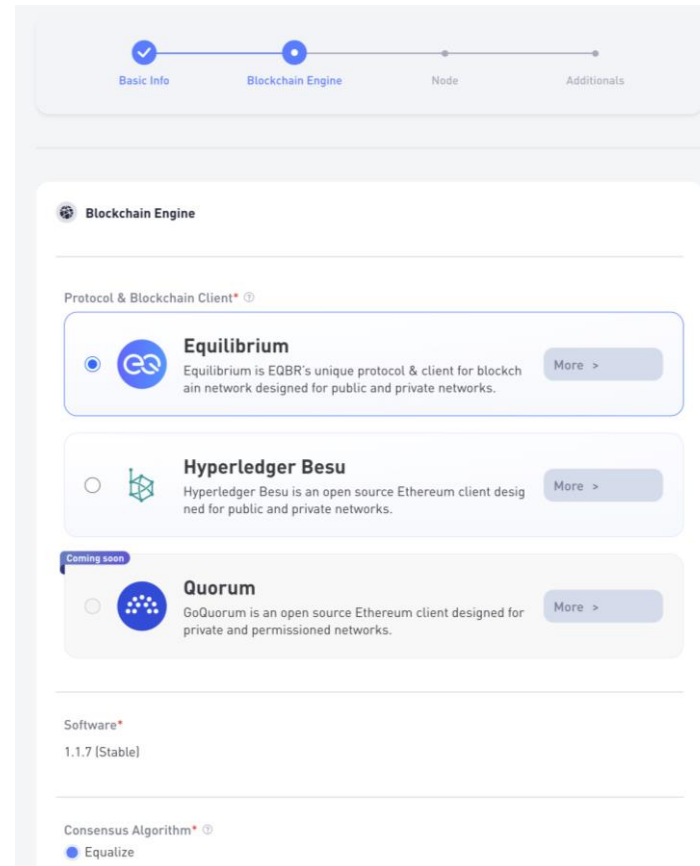
Enables the creation of a custom mainnet suitable for clients

1) Set up the network and coin name, configure the coin economy(initial issuance and additional issuance, etc.), and set up the blockchain engine software.

- When creating a blockchain mainnet, the basic information such as the name of the mainnet, coin name, coin image, and initial issuance amount is set.

- The engine settings of the blockchain mainnet are configured, including the consensus protocol and consensus algorithm.
  In addition to EQBR's proprietary engine, Equilibrium, Hyperledger Besu, among others, is also supported.

<EQ Hub Console> Create Network

Enables the creation of a custom mainnet suitable for clients

2) Set the number of nodes, settings for each node(key management, stake management), node operation settings(consensus reward, additional issuance), etc.

- Sets the number of nodes that will participate in the blockchain mainnet.

- For each node, the key used for consensus is configured, the stake percentage is determined, and node operation details such as network gas fee and additional issuance are set.

<EQ Hub Console> Create Network

Enables the creation of a custom mainnet suitable for clients

EQBR
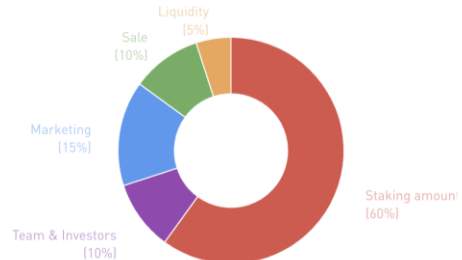
3) Set the initial distribution plan for the coins to be issued on the mainnet.

- Make a coin distribution plan for the portion of the initial coin issuance on the blockchain mainnet that is not allocated to nodes. Based on this setting, coins will be pre-issued during the mainnet setup.

- Blockchain network infrastructure will be built within 10 minutes after completing all setup processes

<EQ Hub Console> Create Network

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Monitor and manage the operating nodes in ENMC

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1) Check the list and information of operating nodes on the dashboard of the EQ Hub Console, and manage each node in ENMC (EQ Hub Node Management Console).

<EQ Hub Console> Dashboard

<ENMC> Dashboard

- Through the 'Network' tab on the dashboard of the EQ Hub Console, the list of currently operating nodes can be checked by network, details for each node can be viewed, and ENMC for each node can be accessed.

- On the dashboard of ENMC, managers can check the key information about the node's basic details and status.

Monitor and manage the operating nodes in ENMC

2) In ENMC, it is possible to check detailed operational information of the node, manage consensus status, check logs and system status.

<ENMC> Node

<ENMC> Chain

<ENMC> System

- In the 'Node' menu of ENMC, the node's software information and log details can be checked.

- In the 'Chain' menu of ENMC, the node's consensus status can be managed, and the staking amount can be managed.

- In the 'System' menu of ENMC, the system status of the node can be checked.

Provides access to public mainnets such as Ethereum, Avalanche

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Connecting to various public mainnets provided by EQ Hub allows the use of features such as deploying smart contracts and using APIs.
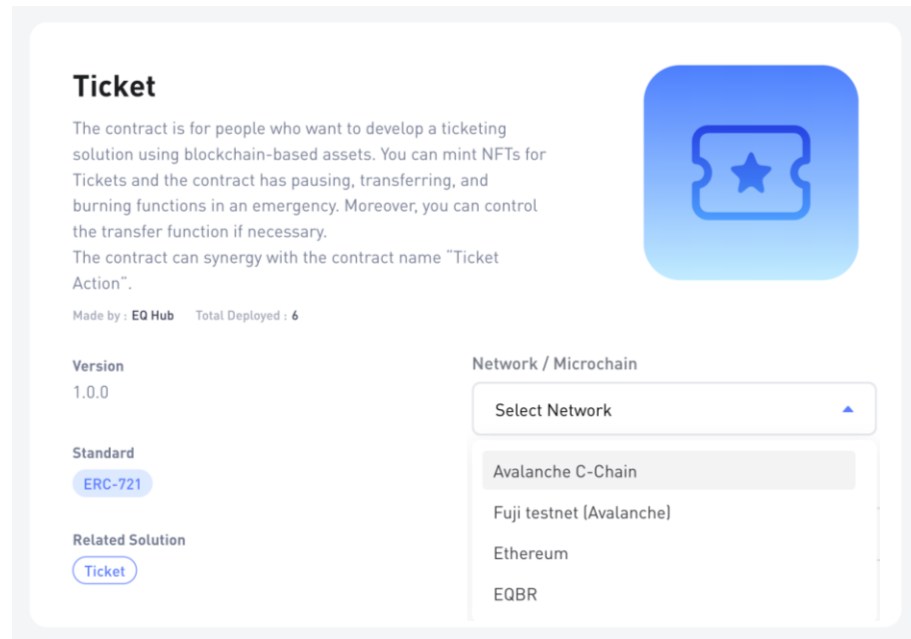
<EQ Hub Console> Contract Library
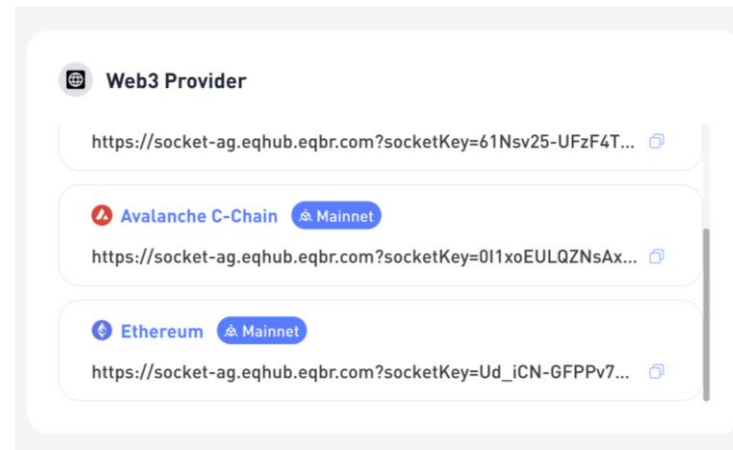
<EQ Hub Console> Dashboard

- When using EQ Hub services such as Contract Library, the desired public mainnet can be selected.

- On the dashboard screen, the list of public mainnets currently in use can be checked, and the list of public mainnets to be used can be changed.

Provides access to wallet for mainnet clients

Register the mainnet into the wallet service, allowing it to be used within Whisper wallet service.

<EQ Hub Console> Register Wallet
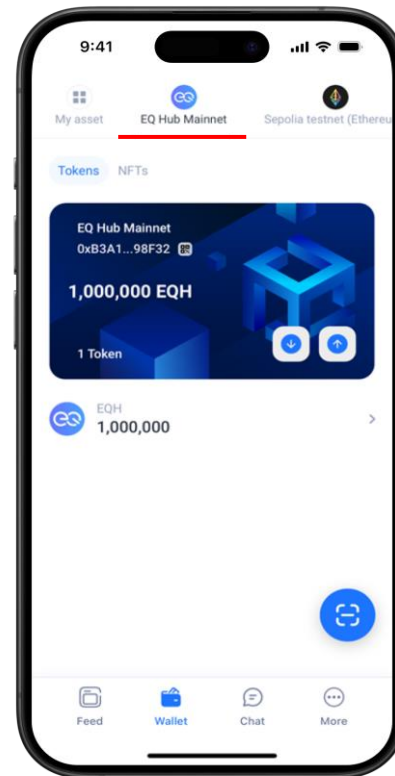
<Whisper> Wallet

- Clients who have built a mainnet can register their mainnet to wallet service and customize elements in wallet such as card image and text color.

- Mainnets that have completed wallet service registration can be accessed by Whisper service wallet users, allowing them to manage the assets on that mainnet.

Provides access to block explorer for mainnet clients

EQBR

1) Register the mainnet into the block explorer service, allowing it to be used within EQ Field.

<EQ Hub Console> Register Block Explorer

<EQ Field> Home

- Clients who have built a mainnet can register their mainnet to block explorer service.

- Mainnets that have completed block explorer service registration can be accessed by EQ Field users, allowing them to view all transaction information and account activity details on the mainnet.

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Provides access to block explorer for mainnet clients

2) Users can view real-time block creation and transaction creation details in EQ Field, as well as access detailed information about blocks, transactions and accounts.

<EQ Field> Home

<EQ Field> Transaction Detail

- On the EQ Field main page, users can view real-time block information and transaction details of the mainnet, as well as statistical data.

- Through the 'Transaction detail' screen, users can view detailed information about the transactions. Additionally, they can also check detailed information about accounts and smart contracts.

Provides smart contract templates for various businesses

1) In the Contract Library, various smart contract templates that suits specific needs are available.
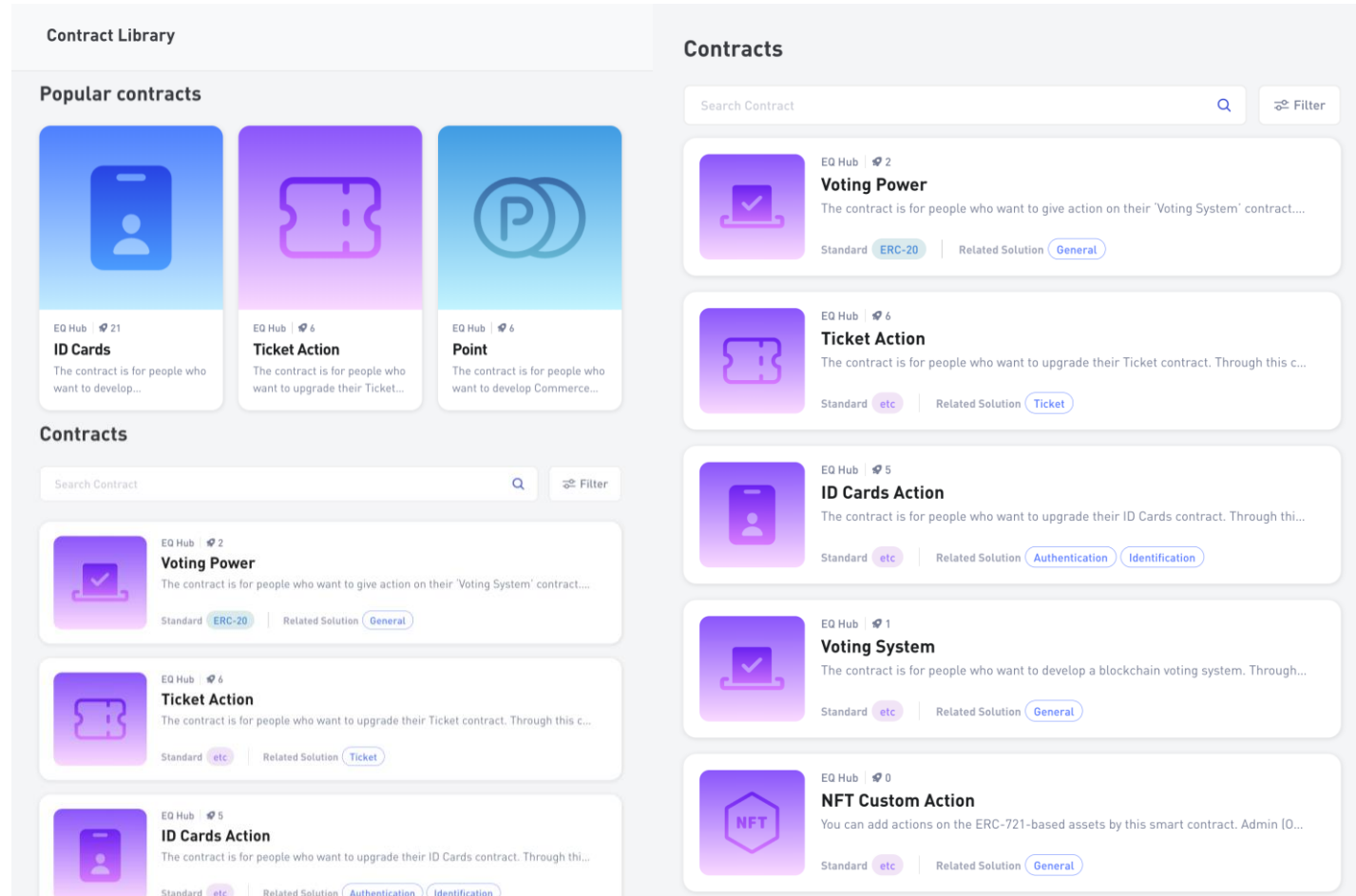
- In the Contract Library service, various purpose-based smart contract templates that best fits specific business objectives are provided.

- Additionally, it offers a recommendation feature that displays popular contracts and highlights potential solutions for use.

<EQ Hub Console> Contract Library

Provides smart contract templates for various businesses
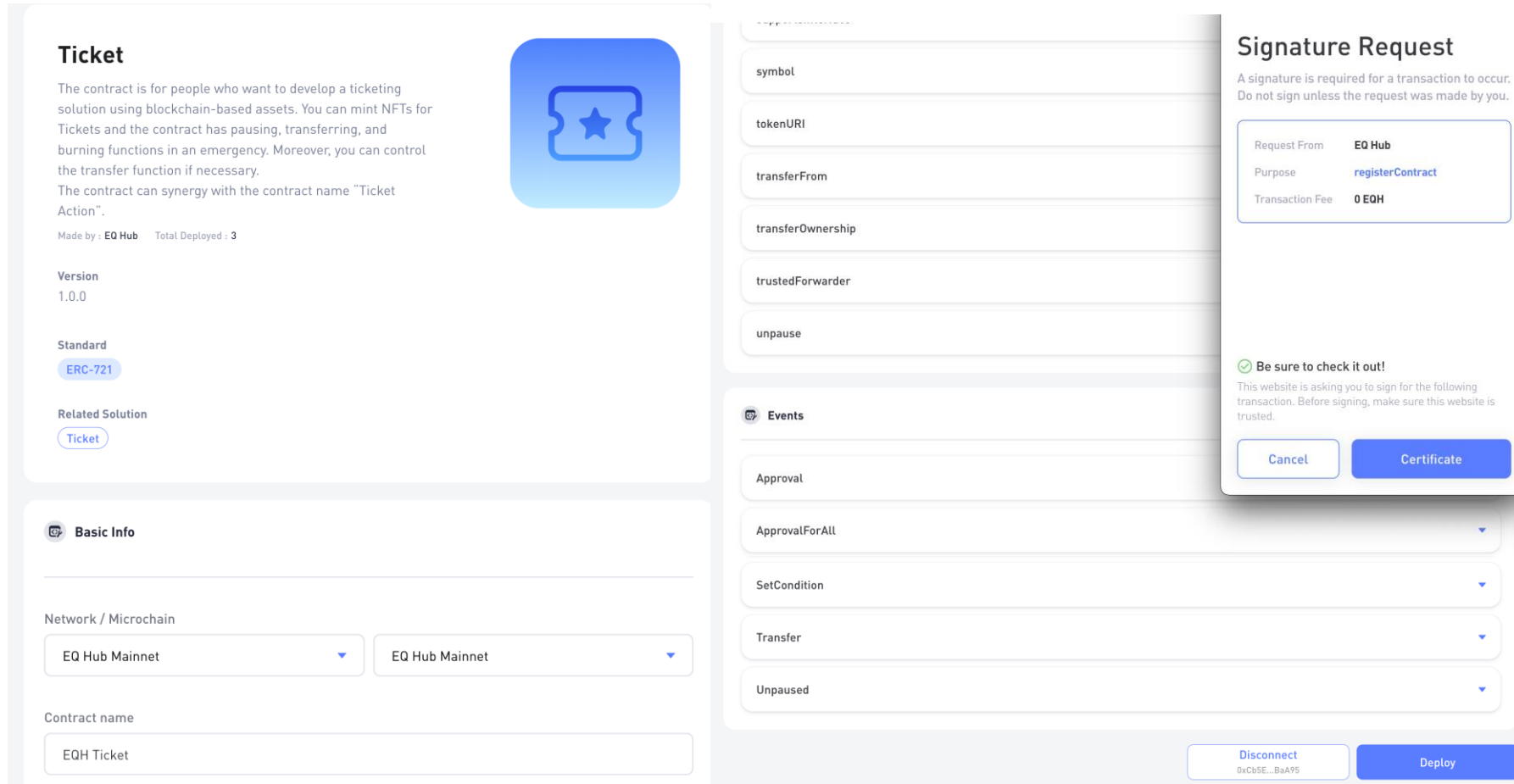
2) On the contract detail, the basic and detailed information of the contract template can be checked, and the deployment process can be initiated.
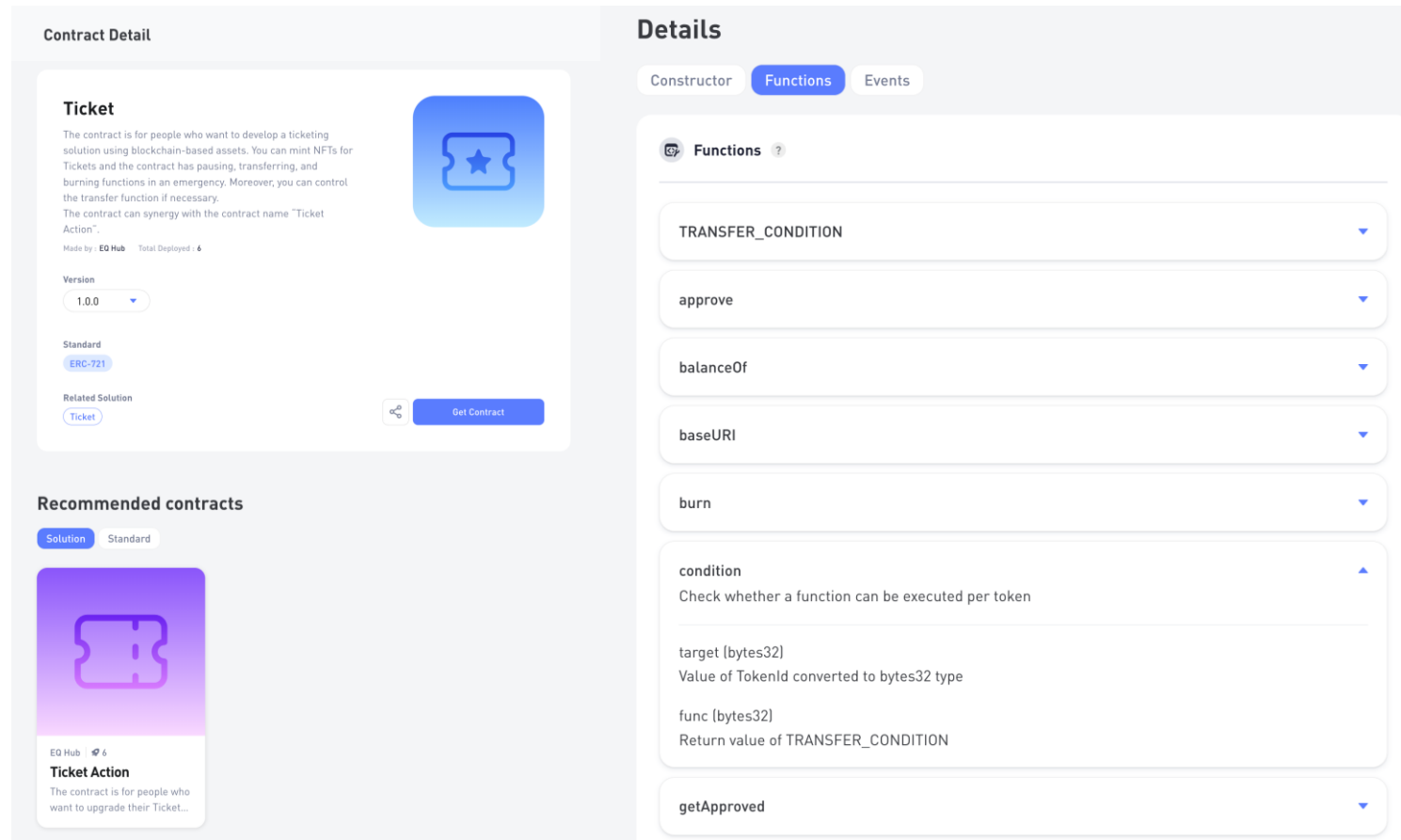
- On the Contract Detail, basic information about the contract template, such as its name, description, version information, deployment count, type, and available solutions, can be checked. Related contracts can also be seen, and the process of deploying the smart contract can be initiated.

- At the bottom of the screen, check the data required for deployment and view the functions that can be performed through the contract.

<EQ Hub Console> Contract Detail

Provides smart contract templates for various businesses

EQBR

3) Using the template, set up basic information with No-code and then deploy the smart contract.

- Select the mainnet for deploying the smart contract, enter the contract name and description, and proceed with all deployment steps with No-code approach.

- Once the smart contract information has been entered, EQ Hub Wallet can be connected and the contract can be deployed immediately.

<EQ Hub Console> Get Contract

Provides a No-Code tool to use deployed smart contracts

1) Send transactions defined in the deployed smart contract.

- On the Chain Request, the transaction functions embedded in the smart contracts deployed via EQ Hub can be used with No-code. At this time, connecting with EQ Hub Wallet allows for immediate transaction sending.

- The results of the triggered transaction can be immediately viewed at the bottom of the page.

<EQ Hub Console> - Chain Request

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Provides a No-Code tool to use deployed smart contracts

2) Check the result information after using smart contracts.
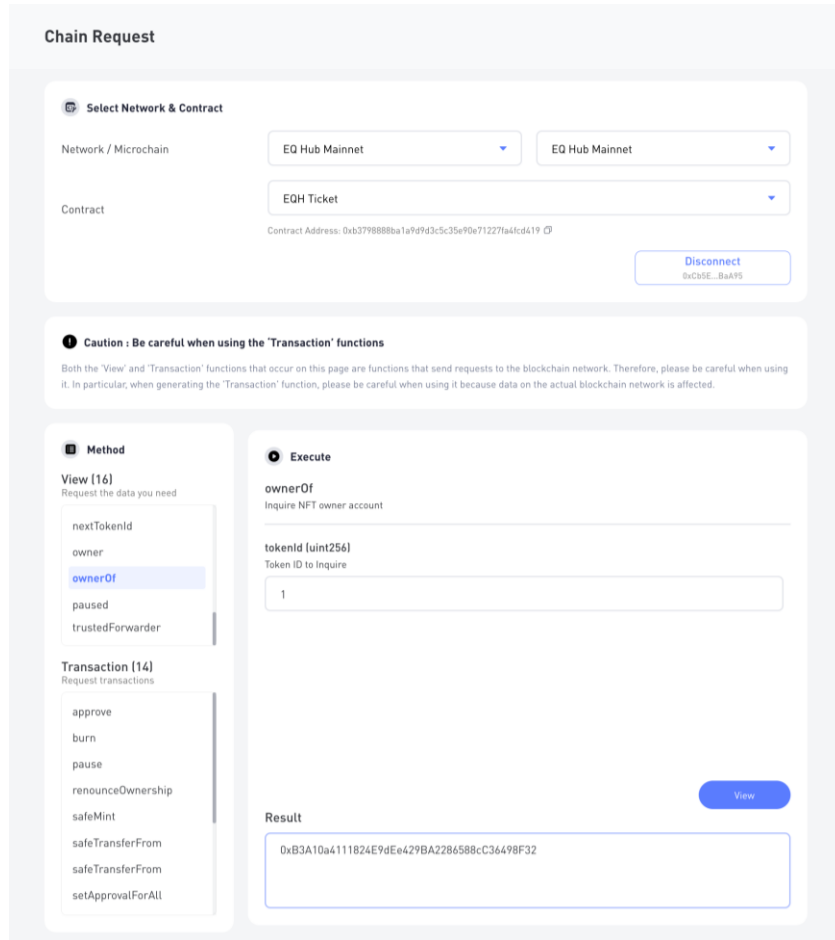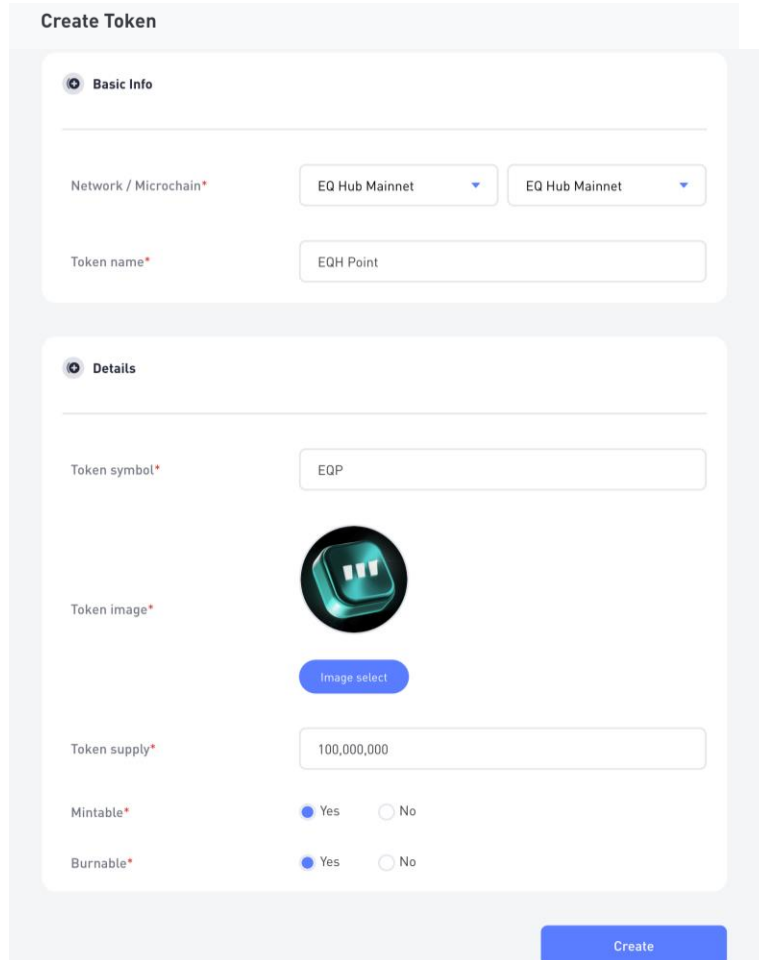
<EQ Hub Console> - Chain Request
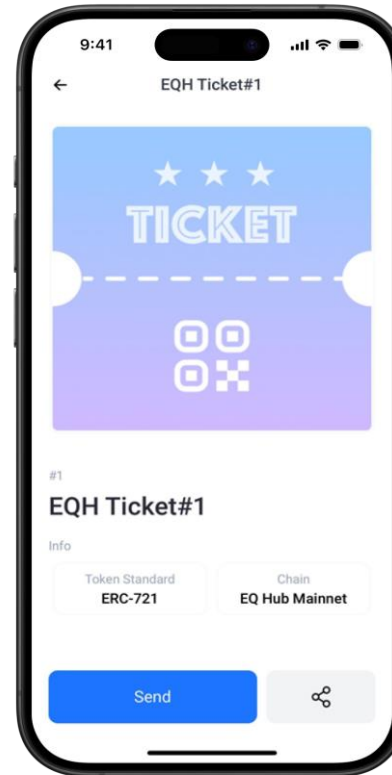
<Whisper> Wallet

- Results from previously triggered transactions can also be reviewed. The 'View' feature in Chain Request allows for checking information such as balance, ownership, and other details related to the transaction results.

- Furthermore, the results of transactions triggered through Chain Request can also be viewed in Dapps like the Whisper wallet service.

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Token

Deploy token smart contracts easily with No-code and connect token assets to wallet services.
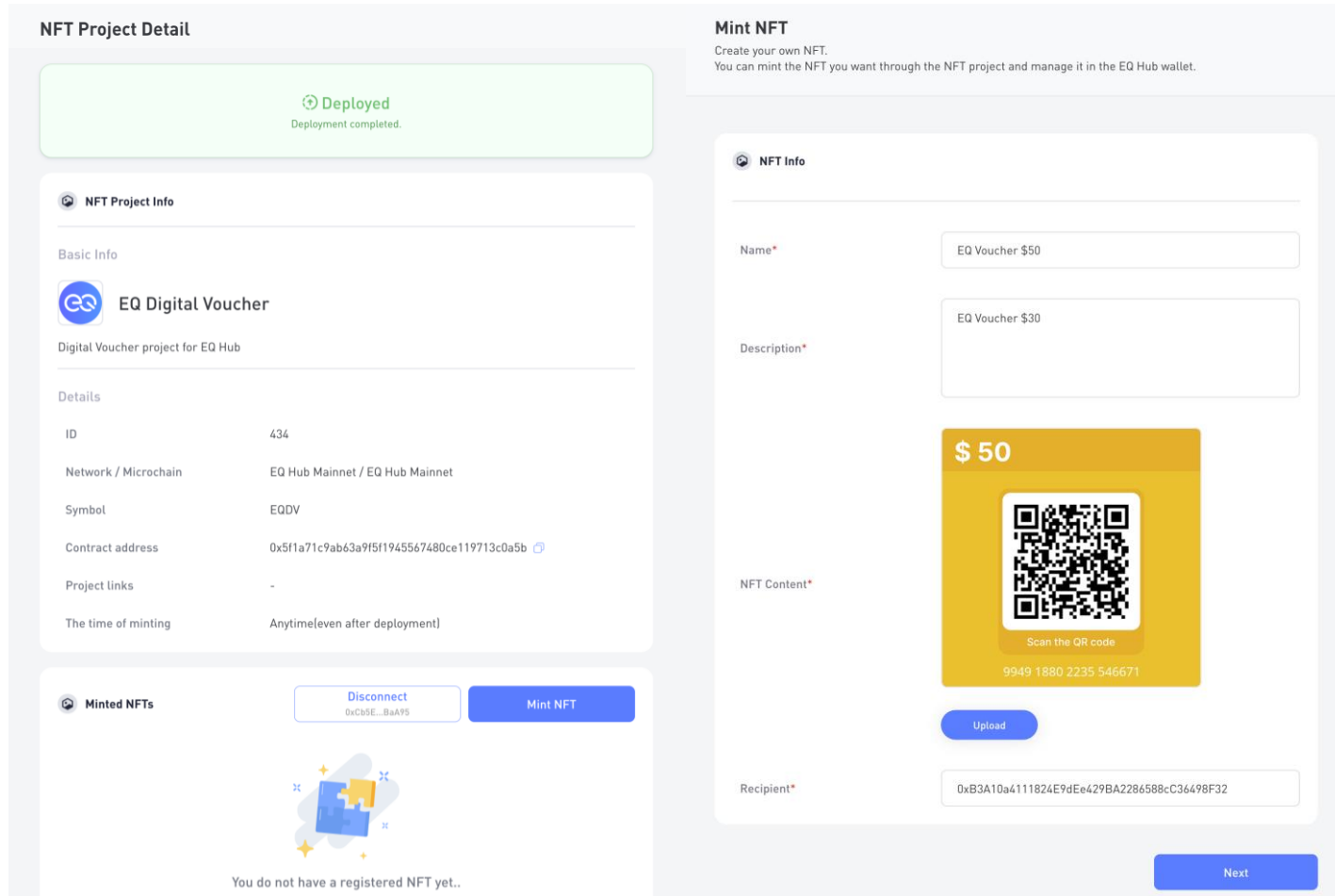
<EQ Hub Console> Create Token
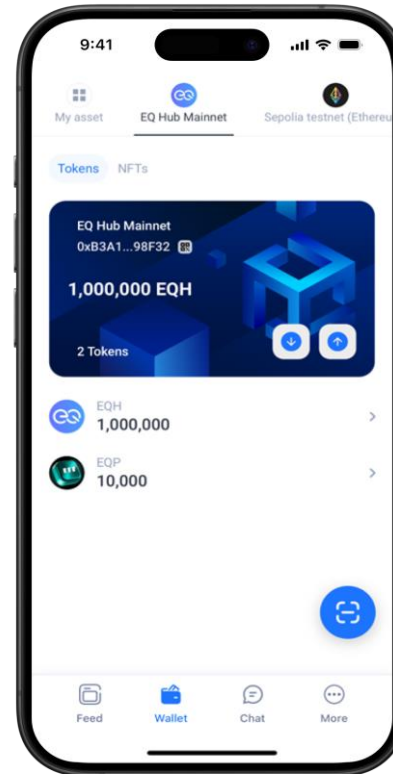
<Whisper> Wallet

- In the Token service of EQ Hub Console, select the mainnet for deploying the token smart contract, set the token name, image, and define the issuance amount and additional feature options (such as whether issuance and burning are possible). Then, connect EQ Hub Wallet to deploy the contract.

- Tokens deployed through the Token service can be immediately viewed and used in Whisper Wallet.

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NFT

1) Deploy smart contracts for NFT project easily with No-code, and mint NFTs

<EQ Hub Console> NFT Project Detail   <EQ Hub Console> Mint NFT

- In the NFT service of EQ Hub Console, select the mainnet for deploying the NFT project smart contract, set the NFT project name and representative image, and deploy the NFT smart contract.
  After deploying a smart contract, the NFT project setup is completed and NFTs can be minted

- On the Mint NFT page, enter the basic information for the NFT to be minted and the recipient account details, and send the NFT mint transaction with No-code.

NFT

2) Both the administrator of NFT project and the owner of each NFT can view the minted NFT.
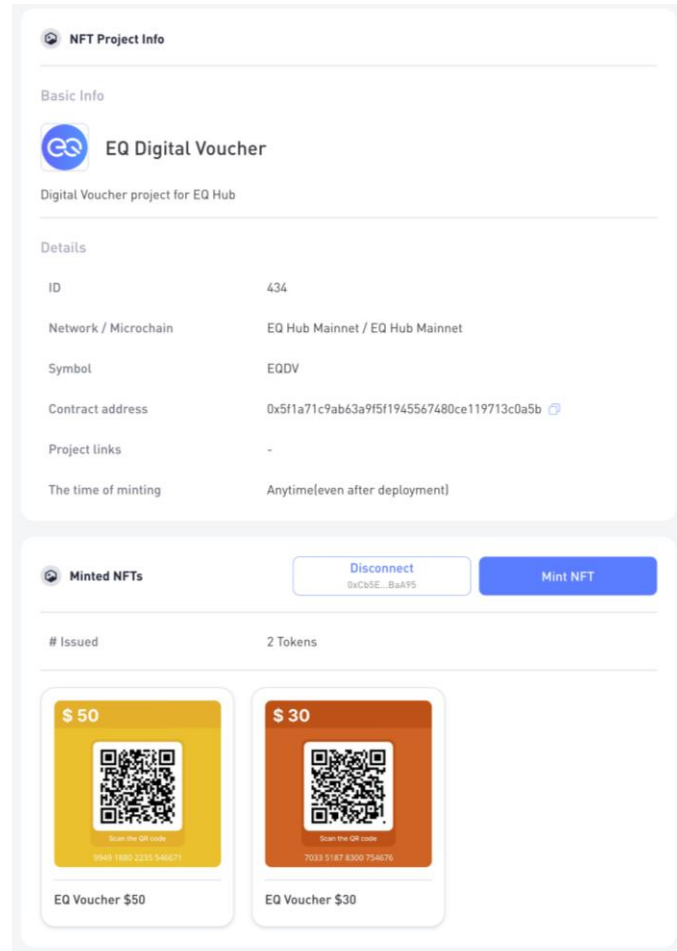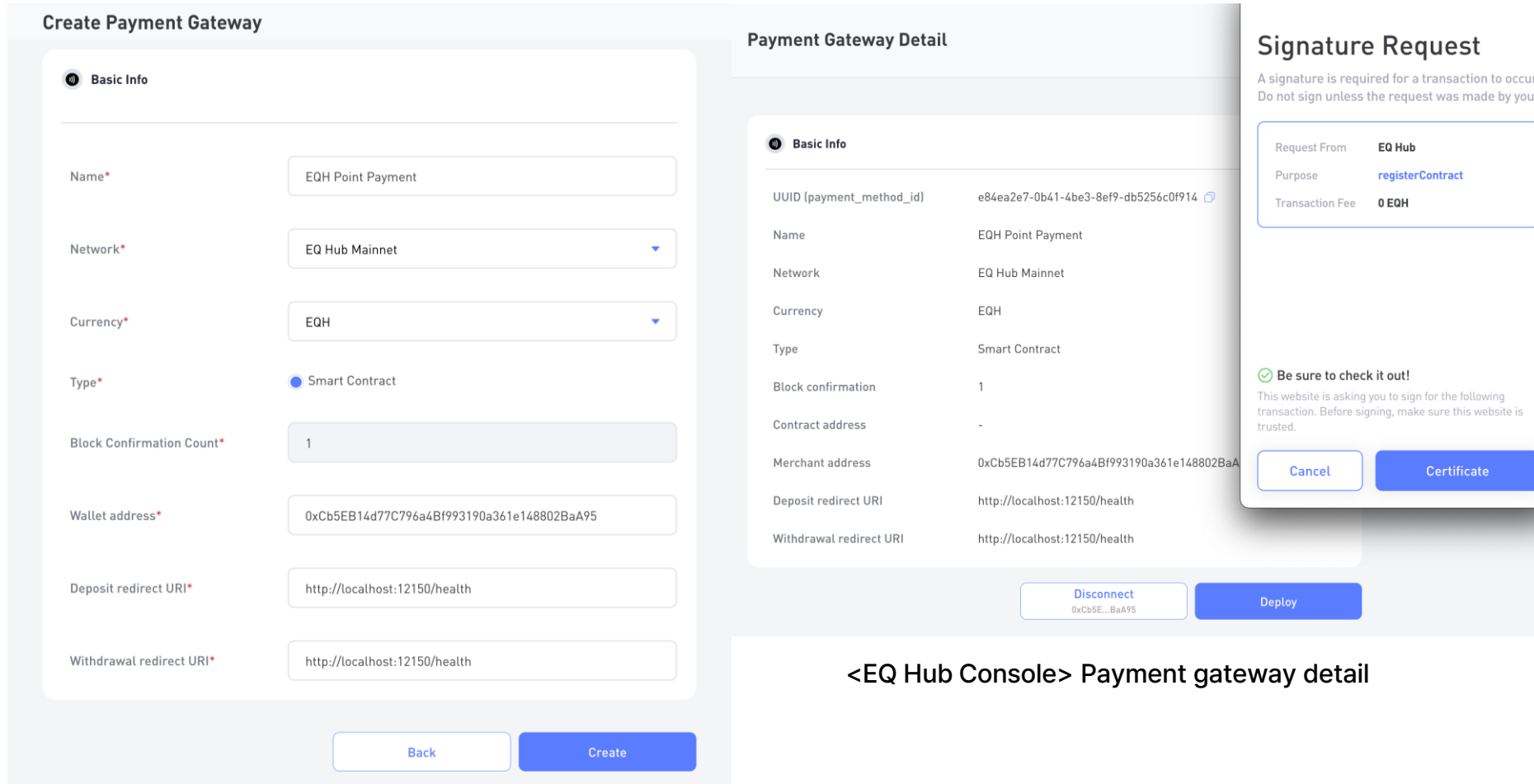
<EQ Hub Console> NFT Project Detail
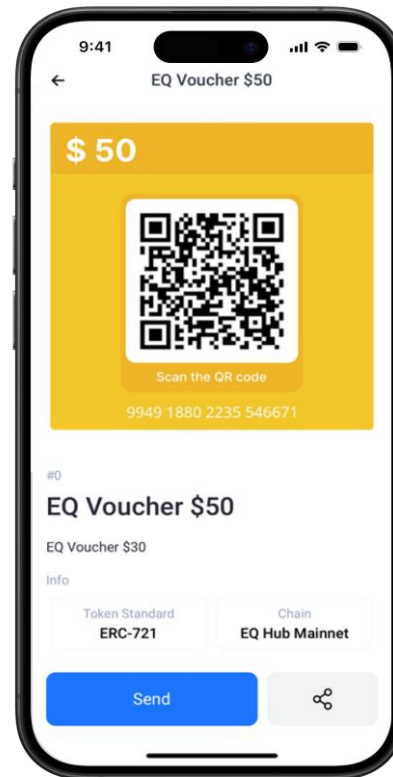
<Whisper> Wallet

- In the NFT service of EQ Hub Console, the list of currently minted NFTs for the NFT project can be viewed.

- Once minted, the NFT is automatically registered in the wallet, allowing the owner of the NFT to manage it in Whisper Wallet.

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Payment Gateway

1) Set up the basic information for the Web3 Payment smart contract and deploy it with No-code.

<EQ Hub Console> Create payment gateway

<EQ Hub Console> Payment gateway detail

- Configure the mainnet and currency information for Web3 Payment, and enter the wallet account for settlement and API integration details with No-code to set up the smart contract information.

- Connect EQ Hub Wallet and deploy the smart contract for payment.

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Payment Gateway

2) Information about the completed Payment setup can be reviewed, and deposit lists can be managed.

- Once the smart contract deployment is complete, detailed information about the payment gateway can be viewed.

- In the Deposit tab, lists of deposits made through payments can be reviewed, and detailed information for each record can be accessed.

<EQ Hub Console> Payment gateway detail

03 Use Cases

Web3 Payment

Security Token Offering

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Integration with legacy system

EQ Hub Web3 Pay supports integration with enterprise legacy systems, allowing users to seamlessly use EQ Hub Pay as a payment method.

<NComputing> Shop & Product Detail

<NComputing> - Purchase

Integration with legacy system

EQBR

Users can easily pay with Web3 Pay using the wallet service, and enterprise administrators can manage payment history through system integration.

<Whisper> EQ Hub Pay

<NComputing> Purchase Result

<NComputing> Order History

For new platform (Ticketing)

EQBR

With Web3 Payment, platforms such as ticketing platform can attract more users, including crypto holders.
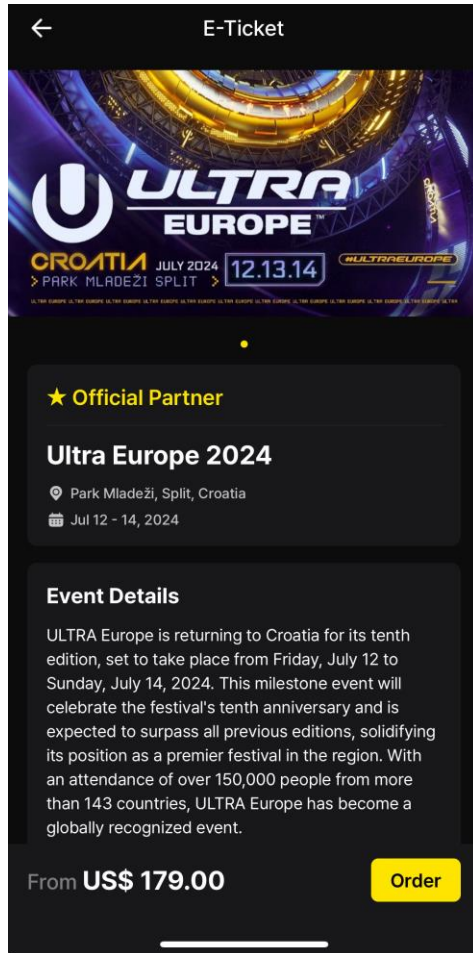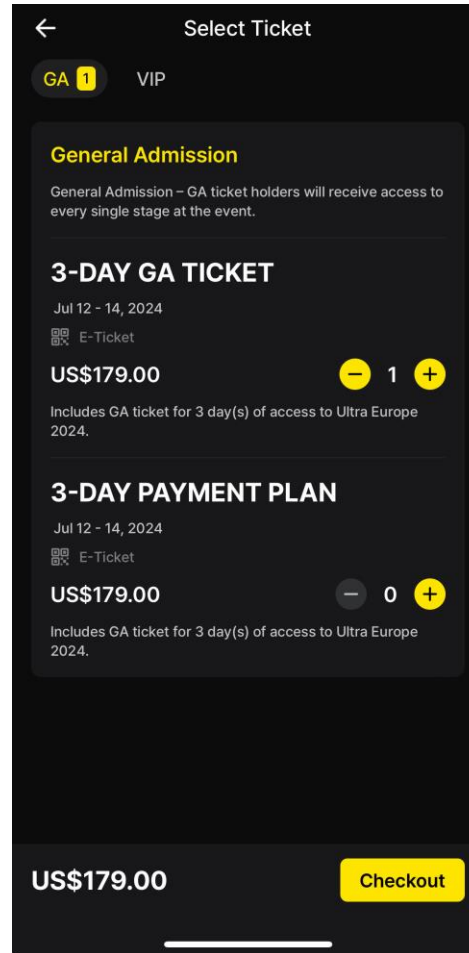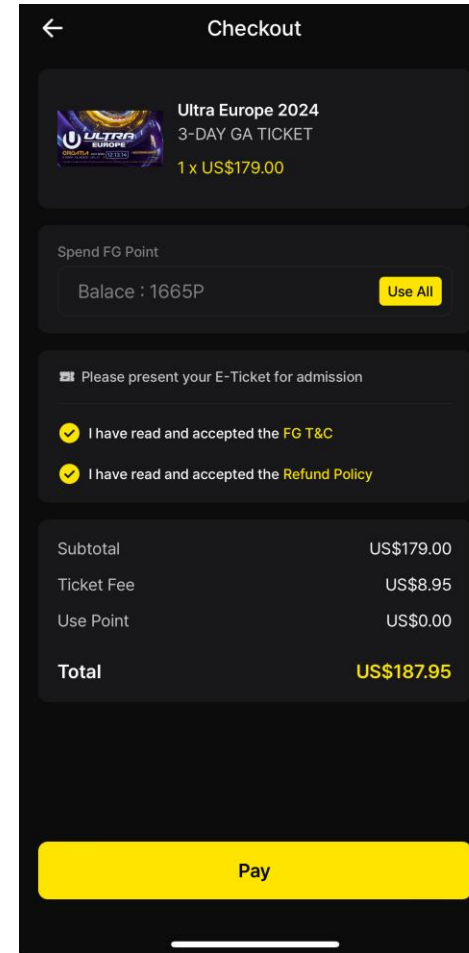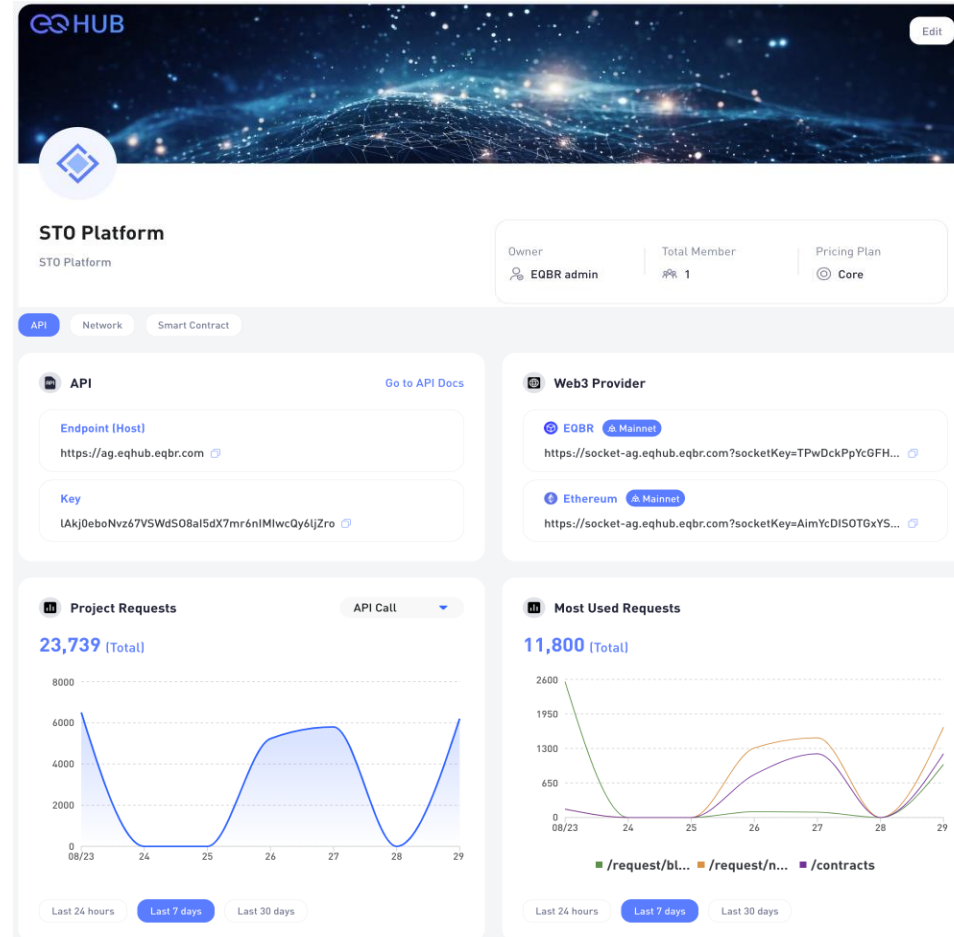

<Festground> Shop

<Festground> Shop

<Festground> Checkout

<Festground> Wallet

For new platform (Membership)

With Web3 Payment, platforms such as membership platform can attract more users, including crypto holders.
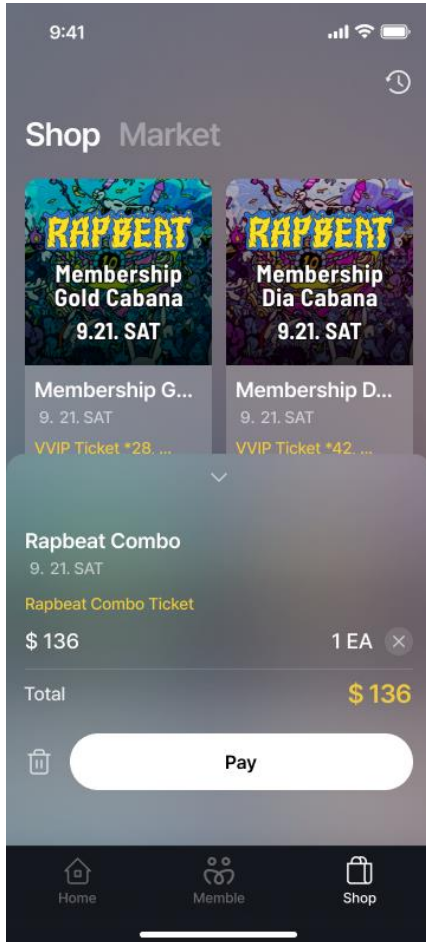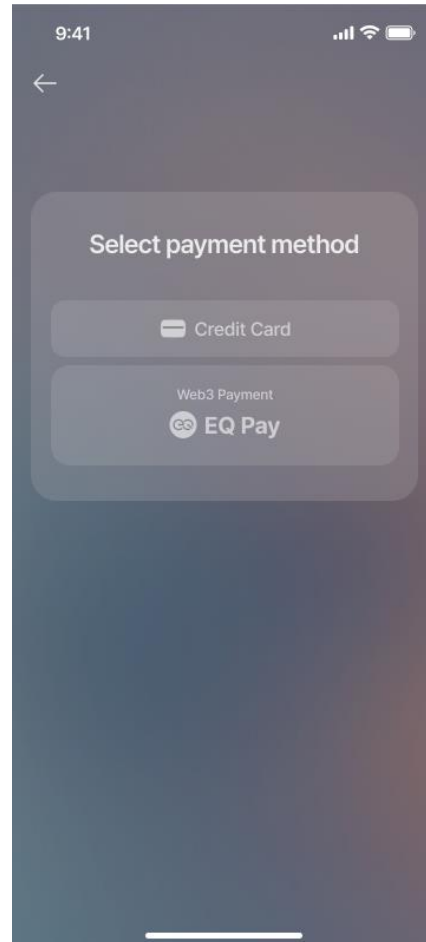
<Memble> Shop

<Memble> Shop
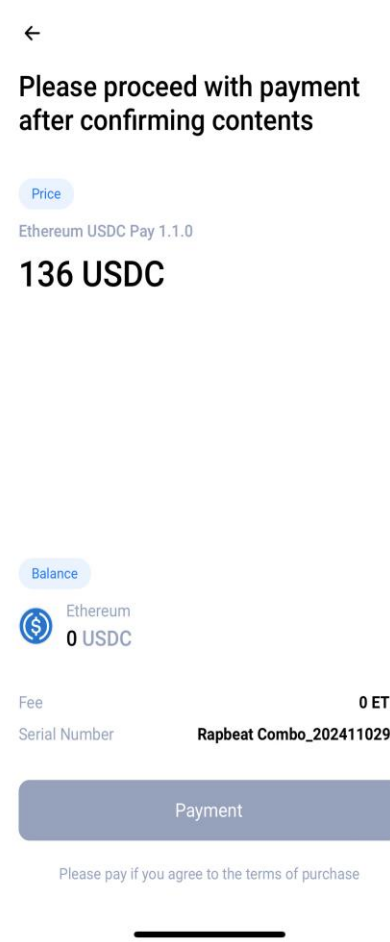
<Whisper> EQ Hub Pay

<Memble> Order Detail
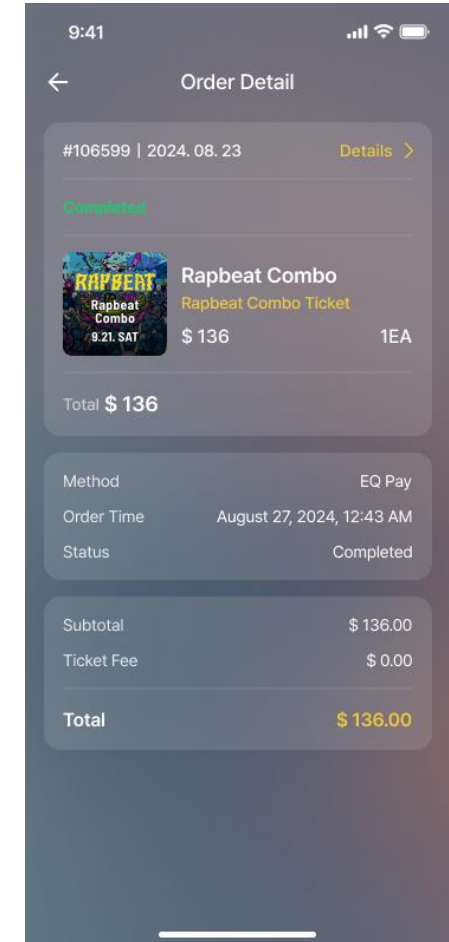
STO solution – API / Dashboard

Through EQ Hub, the STO solution APIs are provided, and managers can check the usage of the API in real time.

<EQ Hub> Dashboard

STO solution – Platform

1) STO platform users can check their assets and deposit or withdraw their tokens.
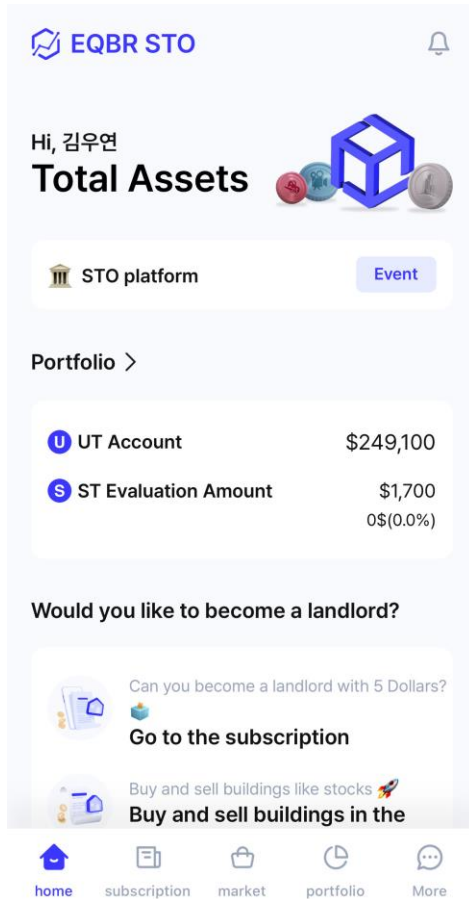
<STO> Home
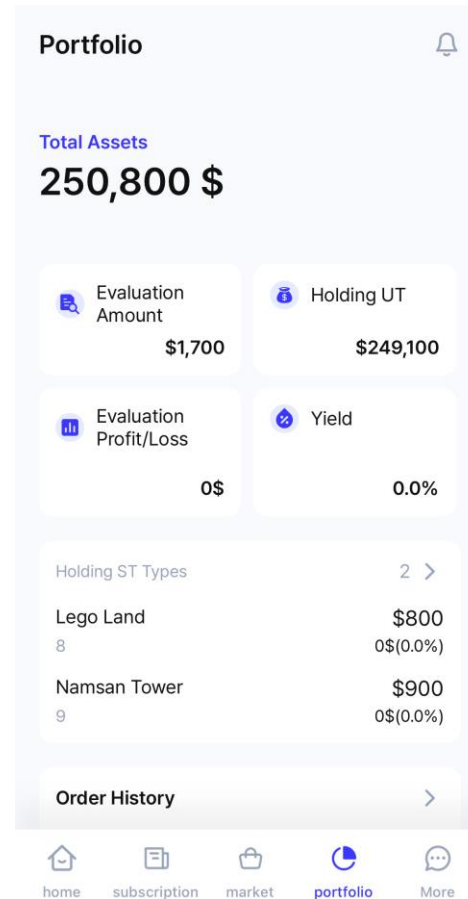
<STO> Portfolio

<STO> My Account

STO solution – Platform
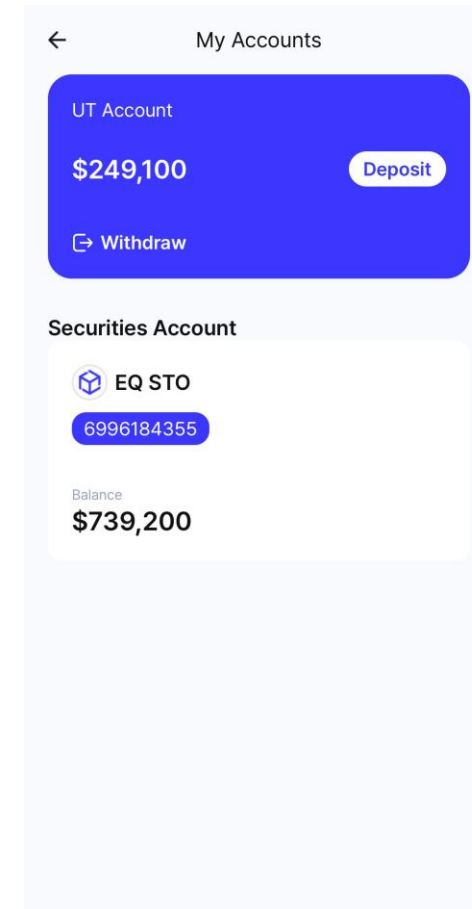
2) In the 'Subscription' menu, users can subscribe for new STs, and in the 'Market' menu, users can trade STs with each other.
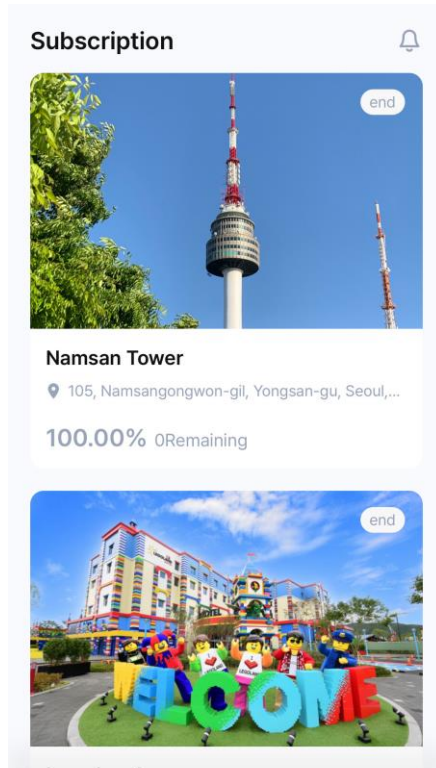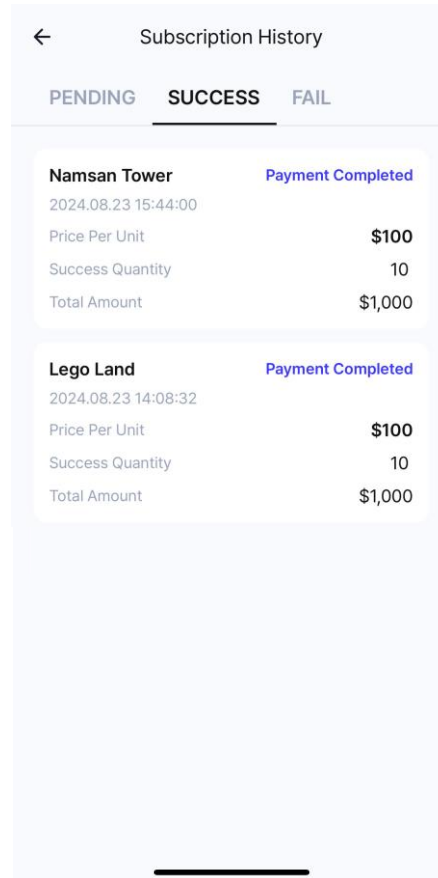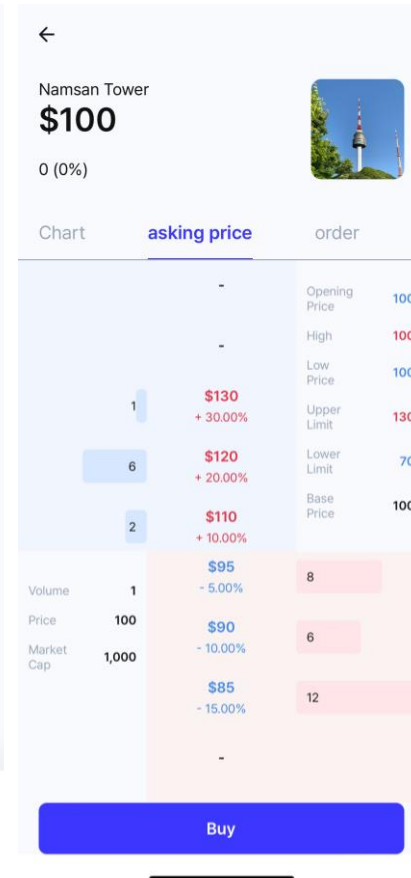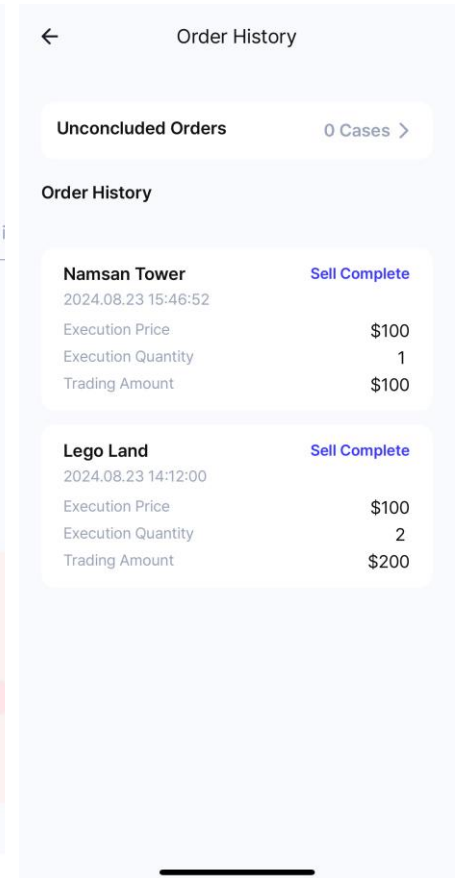

<STO> Subscription   <STO> Subscription History   <STO> Market   <STO> Market Detail   <STO> Order History
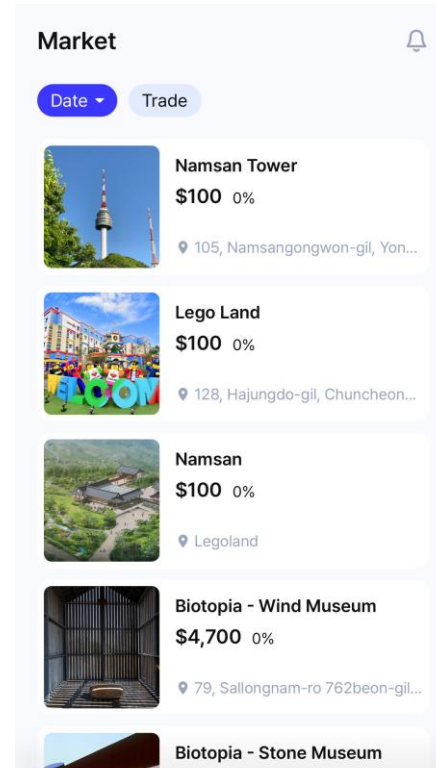
STO solution – Admin web

1) STO platform administrators can monitor the platform in real-time on the dashboard.

<STO Admin> Dashboard

STO solution – Admin web

2) In the 'Security Token' menu, new security tokens can be issued and the issued security tokens can be managed.

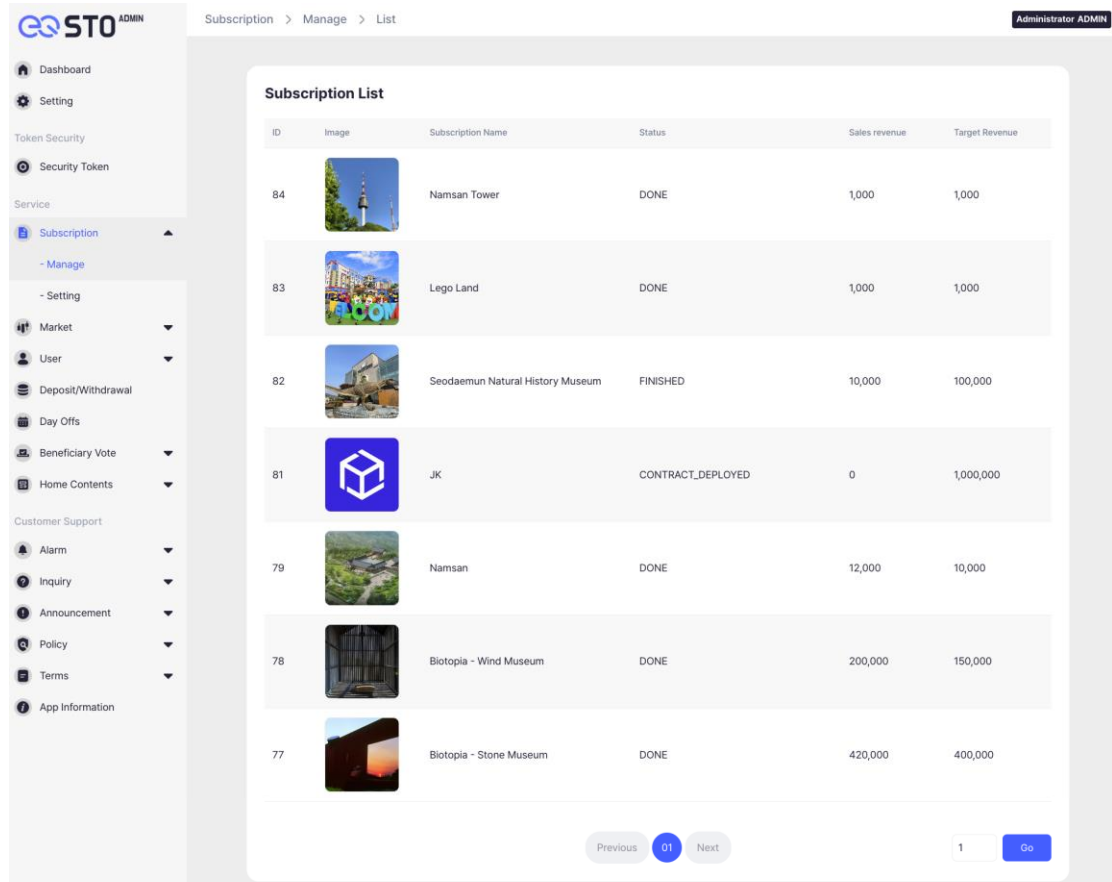<STO Admin> Security Token Detail

<STO Admin> Security Token

STO solution – Admin web
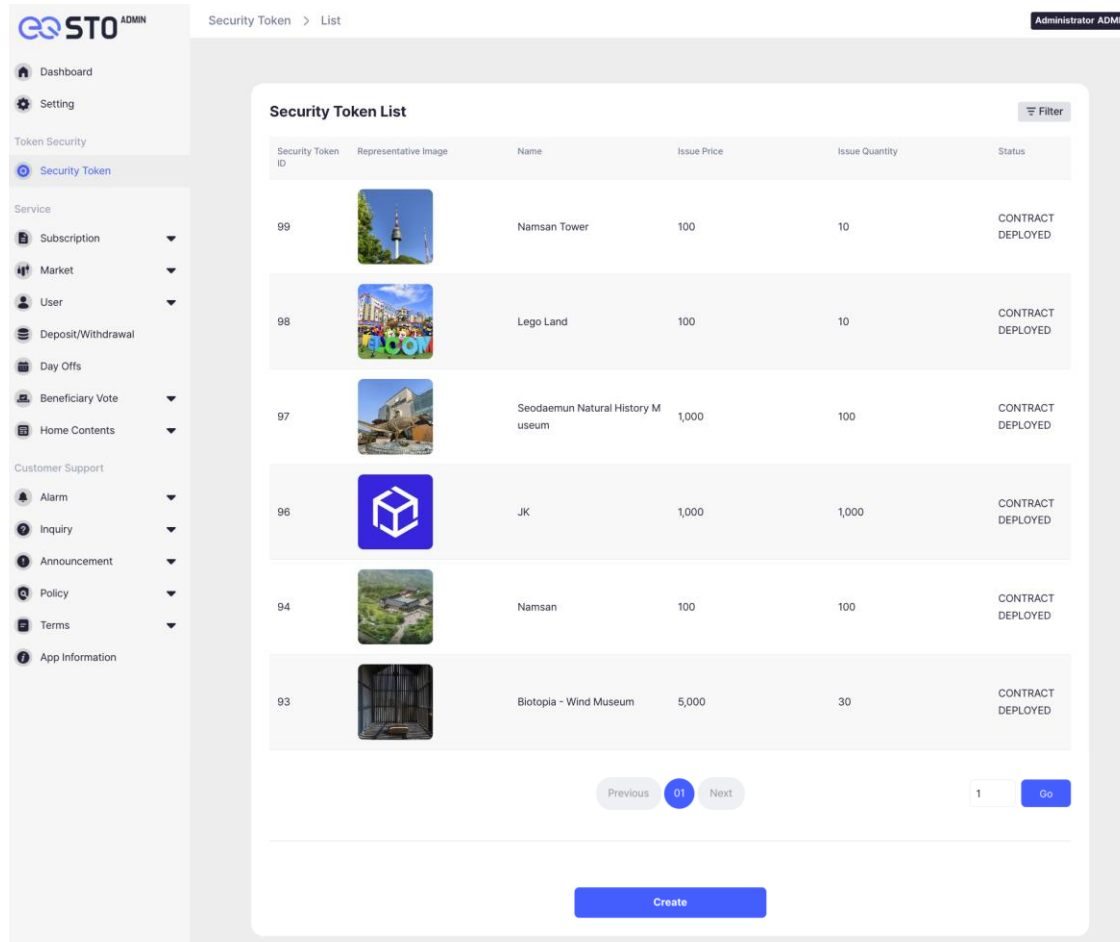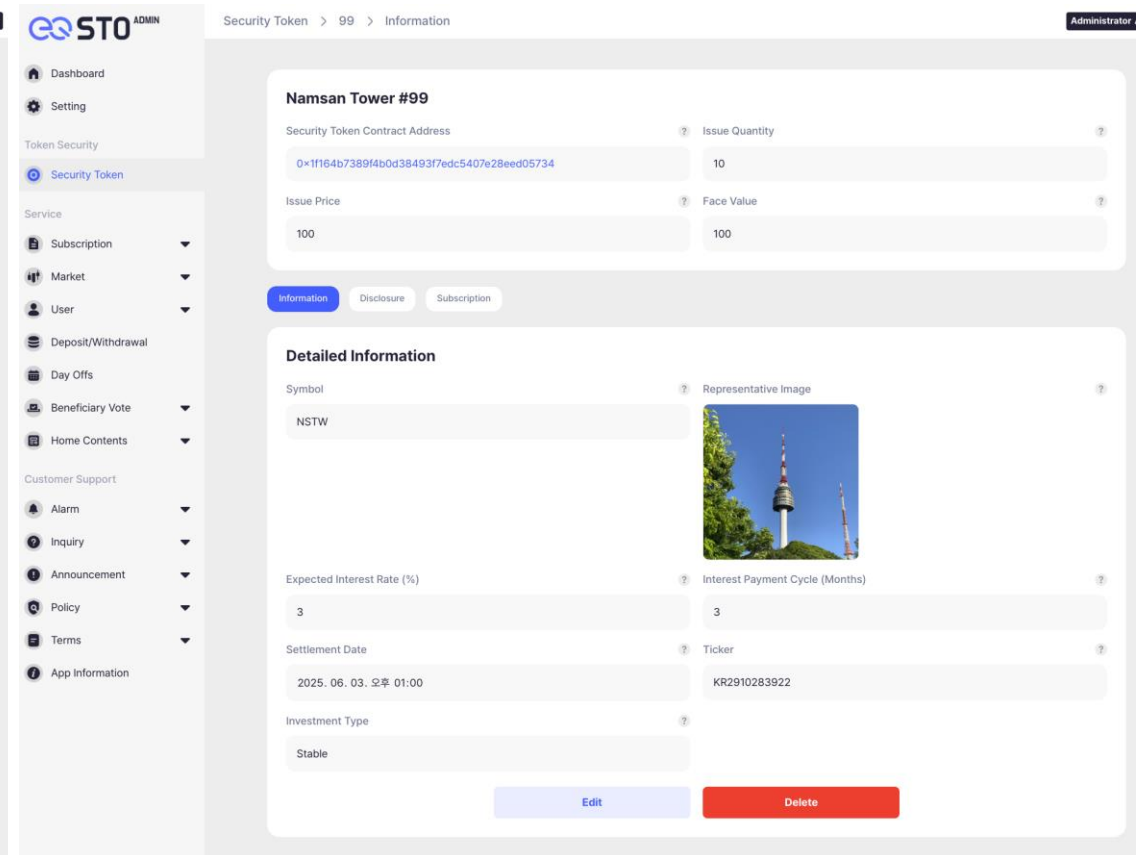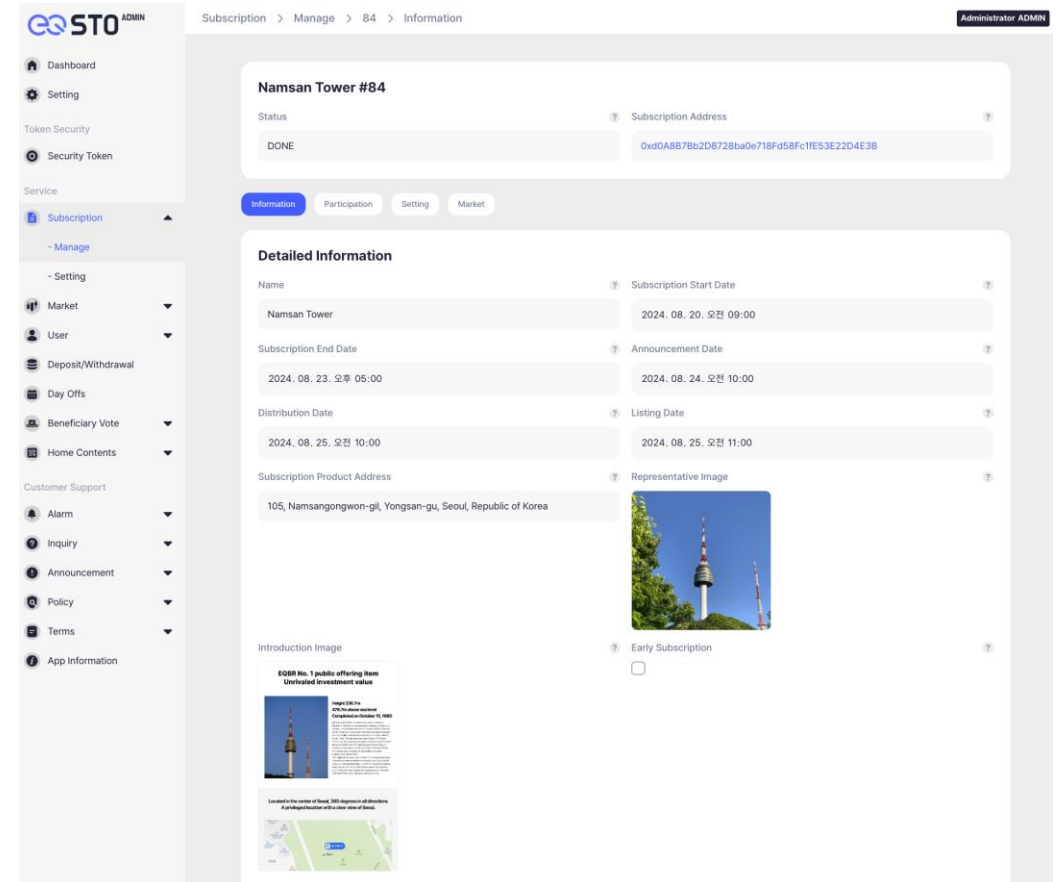
3) In the 'Subscription' menu, the registration and management of subscription applications for issued security tokens can be handled.

<STO Admin> Subscription

<STO Admin> Subscription Detail

STO solution – Admin web

4) In the 'Market' menu, subscription-ended security tokens can be listed and managed on the market.

<STO Admin> Market

<STO Admin> Market Detail

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Thank You