

# **BSN Spartan Network** **Introduction**

**Red Date Technology**  
**BSN Foundation**





# BSN Spartan Network

The purpose of the BSN Spartan Network is to promote and build a global PUBLIC IT SYSTEMS infrastructure based on non-cryptocurrency public chain technologies which could serve all IT systems around the world.



## Spartan Data Center

Free to install  
Open Source  
Anonymous



## Blockchains

Non-Crypto Ethereum  
Non-Crypto Cosmos  
Non-Crypto Polygon Edge

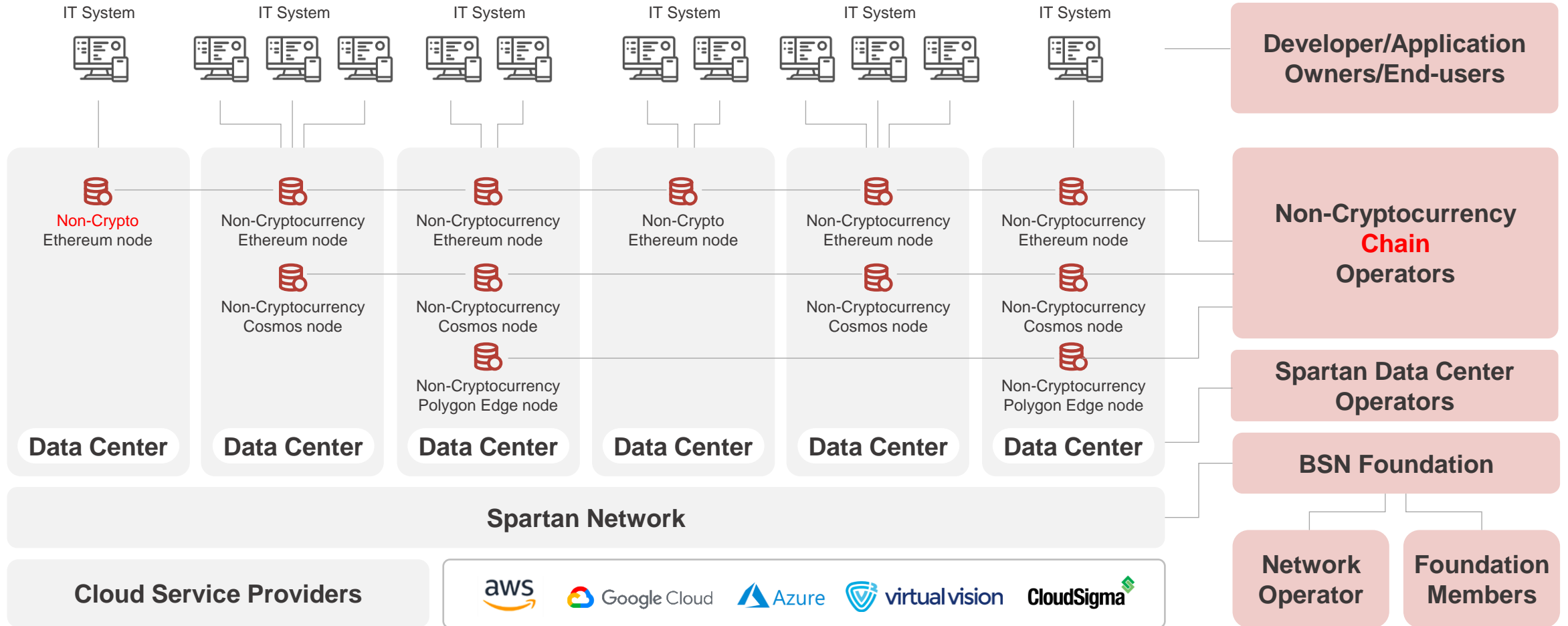


## Pay for NTT

Fiat USD  
USDC Stablecoin  
Native Stablecoin(TBD)



# BSN Spartan Network Ecosystem





# Non-Crypto Public Chains

We are not trying to get rid of cryptocurrencies on the Spartan Network but will move them from layer 1 to layer 2 on each non-crypto public chain. This is the only way for all mainstream IT systems in the world to enjoy the benefits of public chains as a PUBLIC IT SYSTEM.

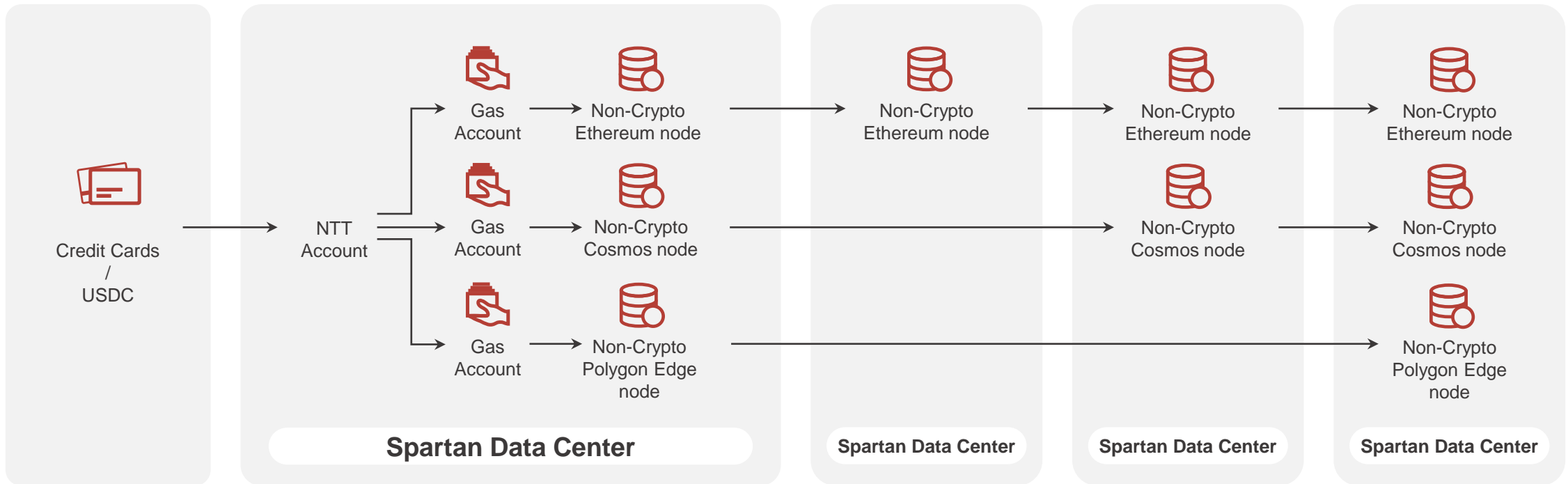
## Cost comparison: minting an ERC721 NFT

	<b>Crypto Ethereum</b>	<b>Non-Crypto Ethereum</b>
<b>Cost</b>	from \$10 - \$200 USD, depending on the prevailing gas cost on Ethereum	3 Cents USD
<b>Volatility</b>	Very High	Fixed
<b>Payment</b>	ETH	US Dollar



# Non-Tradable Token (NTT)

Non-Tradeable Token (NTT) is the utility token on the Spartan Network that can be purchased with fiat USD or USDC at a fixed 1:1 rate. NTT cannot be transferred between data center accounts and can only be used to pay for gas on all non-crypto public chains.





# Spartan Network Incentive (Loyalty NTT)

The Spartan Network can be seen as a shared and decentralized cloud service for PUBLIC IT SYSTEMS. All data center owners and users have specific business needs to use the network and pay for the services. The incentive here is to save cost, not make money.

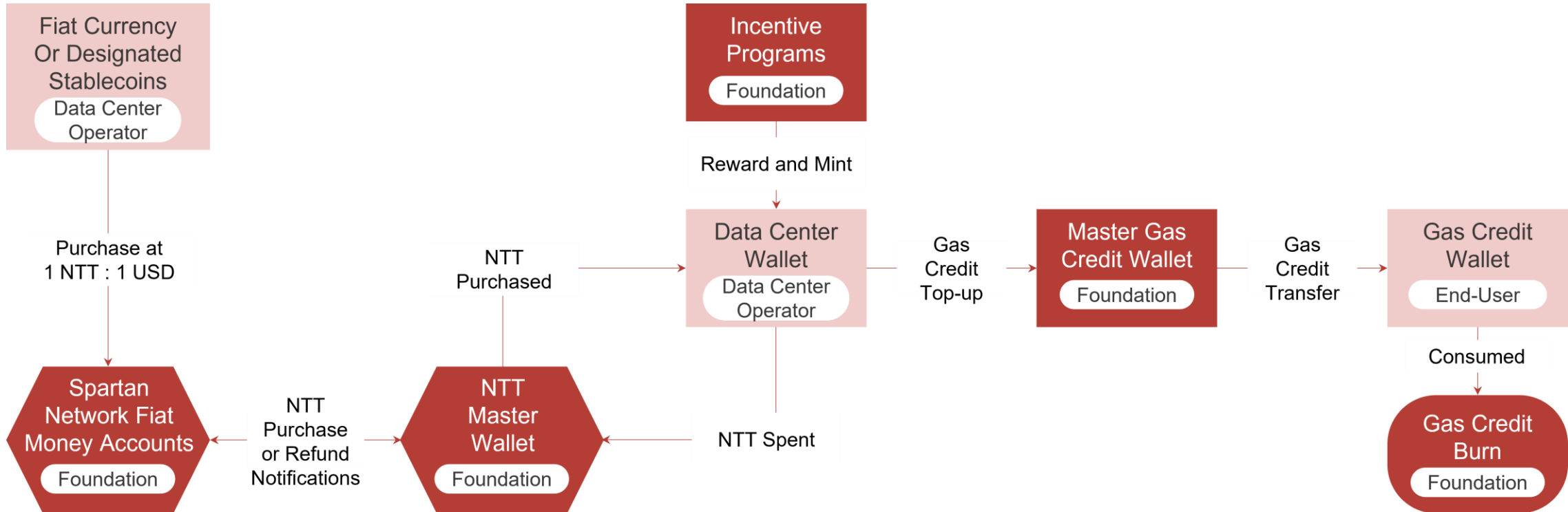
For each data center, a certain amount of free NTT will be issued within the data center on the first date of each month based on a percentage of the total gas consumption in the previous month.

Incentive Level	Gas Consumption (NTT) from previous month	Progressive Loyalty NTT Ratio (%)
Level 1	0-200	100%
Level 2	201-3,000	60%
Level 3	3,001-20,000	40%
Level 4	20,001-100,000	20%
Level 5	>100,000	10%

\*Loyalty NTT will be issued on the first day of next month



# Money Movement



Only fiat money and USDC incomes are bookable to Red Date as revenue. The gross margin is the portion to Red Date after the distributions to the Foundation, Foundation Members, Chain Operators, and revenue-share to distributors.



# The Most Asked Question from the Crypto Industry

**Who would use  
these non-crypto  
public chains?**

The answer to this question is the answer to the following question from us:

**Why don't **99.9999%** of  
all IT systems in the  
world ever use crypto-  
based public chains?**





# BSN-DDC Network Statistics

Launched at 25<sup>th</sup>, Jan 2022 and by end of August 2022, the BSN-DDC Network has achieved following:



Registered Platforms

**1,300+**



Daily Transactions

**1 million+**



Wallets

**20 million+**

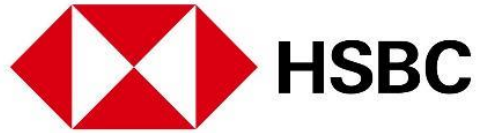


BSN Official DDCs

**3 million+**

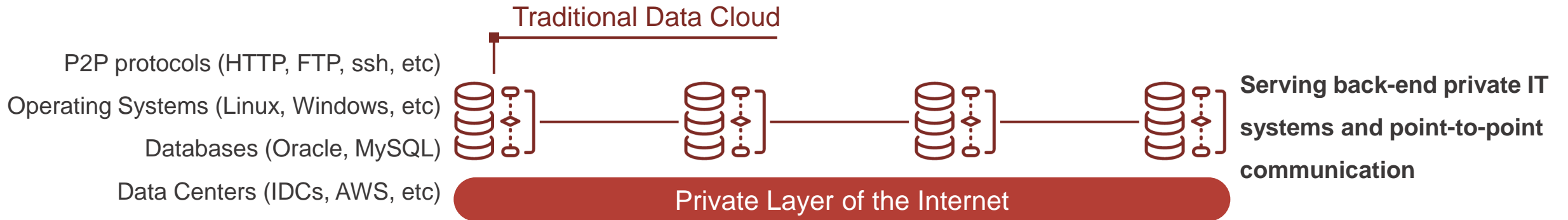
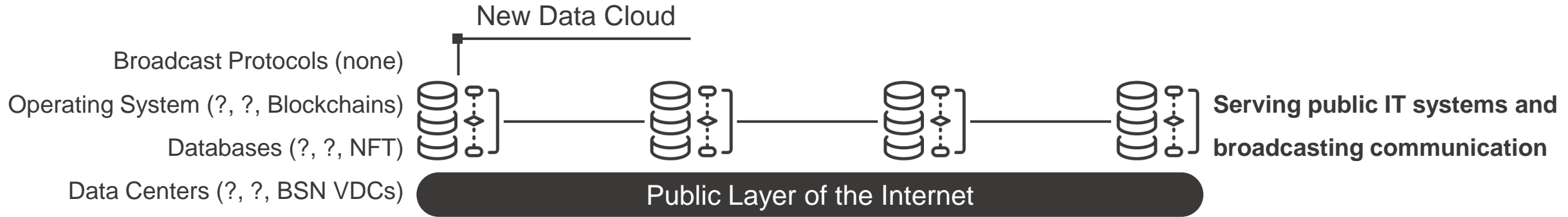


# Spartan Beta Launch Use Case Partners





# Internet Becoming Two Layers



— **Physical Hardware and Fiber Optics of Internet** —

# Mission Behind BSN



Promote the concept of the new public layer of the Internet and build the cloud environment software to be the foundation on which all future new operating systems, communication protocols, databases, development tools, and applications of PUBLIC IT SYSTEMS will be created



# Benefits and use cases of PUBLIC IT SYSTEMS



**Transparency**

**Public Lottery System**

**Public Government Data**



**Easy Connectivity**

**Metaverse Interoperability**

**SWIFT**  
(if not controlled by one entity)



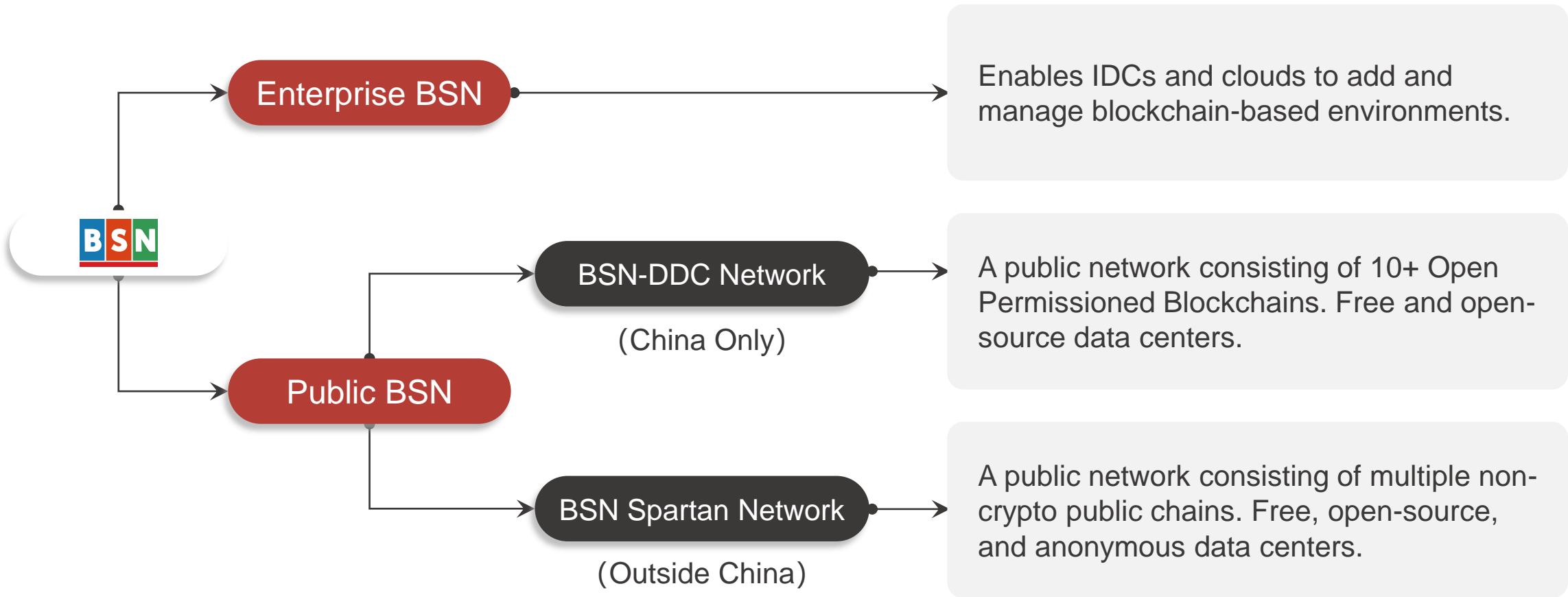
**Data Ownership**

**User Account and Privacy Data**

**NFTs, Certificates, and shared files**



# BSN Technology Stacks





# BSN Foundation in Singapore

## Committees

Name	Responsibility
Technical Committee	Lead the R&D on various projects regarding PUBLIC IT SYSTEMS, OS, databases, etc.
Business Committee	Manage income distributions for treasury and business activities on Spartan Network.
Governance Committee	Manage voting and administrative processes as secretary for the foundation.

There will be 5 members at the BSN Spartan Network launch. At right is the timeline for the number of members, who will each operate a Governance Data Center that hosts all the validator nodes of the non-crypt public chains.

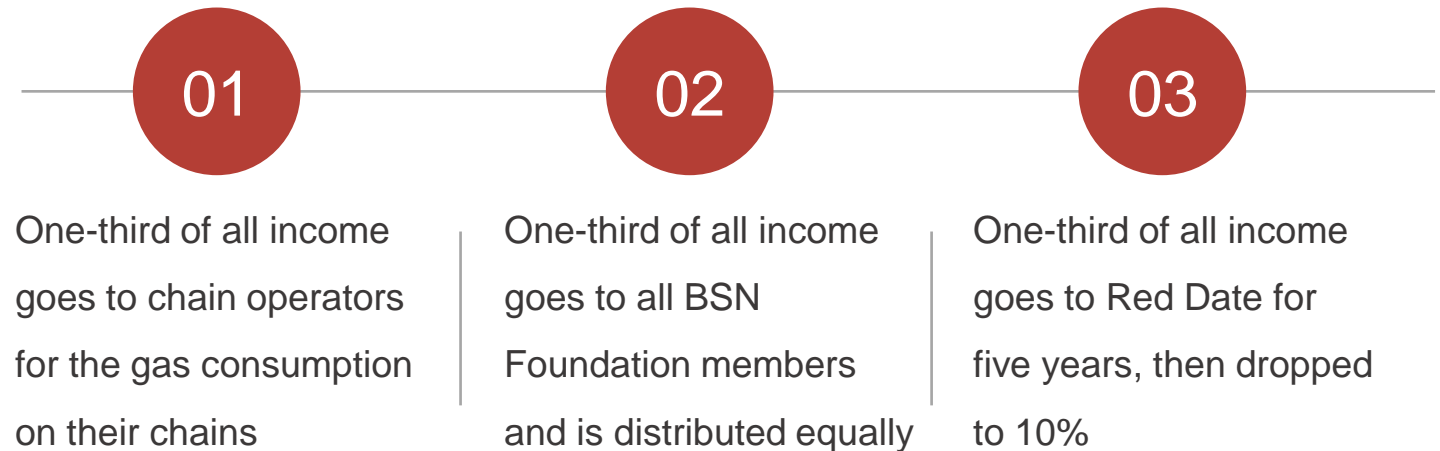
Date	Number of Members
August 31st, 2022	5
December 31st, 2022	10
June 30th, 2023	20
December 31st, 2023	40



# BSN Spartan Network Business Model

The sole income of the BSN Spartan Network is the revenue from the gas consumption on all non-crypto public chains. This comes in two forms: cash (used to purchase NTT) and NTT (used to purchase gas). Spent NTT from users go back to the NTT governance pool from where NTT can be sold back to users for cash.

All income will be divided into three portions:



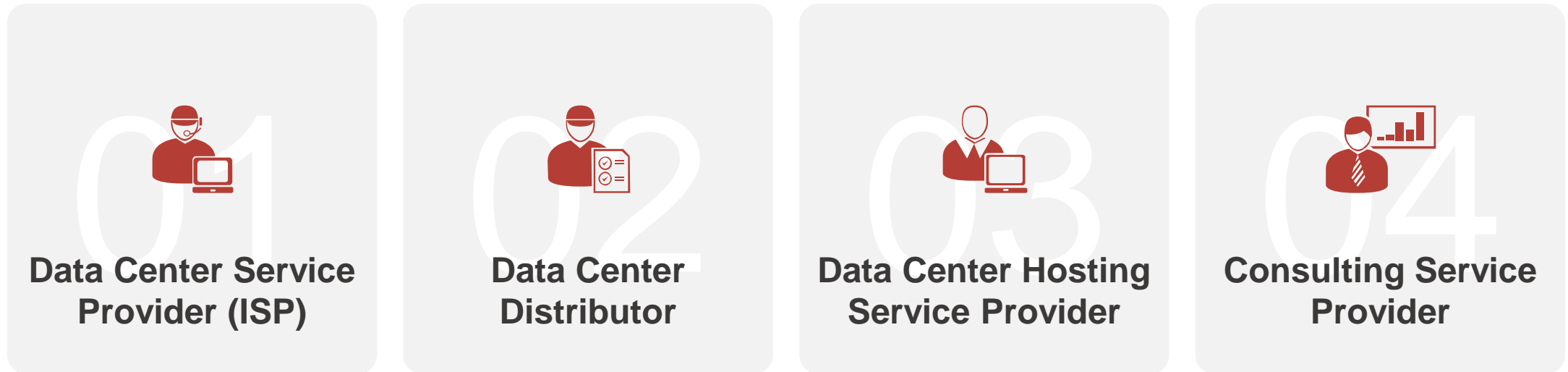
Cash income will be distributed monthly. NTT pool's distribution will depend on voting results (distributed, give back to users, or destroyed, etc. )





# BSN Spartan Distributor Program (1)

## Four Types of Distributors:



The distributor program aims to build Spartan network data centers around the world and enable data center operators to onboard and serve end-users. Data center operators are the Spartan Network's primary direct customers.



# BSN Spartan Distributor Program (2)

Programs	Description	Customer	Revenue Model	Incentive and Support
<b>Data Center Service Provider</b>	Host and operate VDC (virtual data center): provide access and sell Gas Credits to customers	Organizations or individuals who want to execute transactions on Spartan	<ul style="list-style-type: none"><li>• Monthly NTT rebate</li><li>• Any other markups (operator to determine)</li></ul>	<ul style="list-style-type: none"><li>• 6 months matching rebate of 50% of cloud resources paid in NTT (Max USD 2,000)</li><li>• Red Date provides VDC setup services and training</li><li>• Red Date provides basic version of end-user interface for wallet top-up and payment</li></ul>
<b>Data Center Distributor</b>	Sign up new VDC operators	Organizations or individuals who want to operate their own VDC	<ul style="list-style-type: none"><li>• Distribution Fee</li></ul>	<ul style="list-style-type: none"><li>• Distribution Fee of 50% share of Red Date's 1/3 revenue portion for new VDCs installed</li><li>• Red Date provides Spartan Network training to Distributor Program member (not end-user)</li></ul>
<b>Data Center Hosting Service Provider</b>	Set up and host customers' dedicated VDCs	Organizations or individuals who want to operate their own VDC	<ul style="list-style-type: none"><li>• Hosting Fee (host to determine)</li><li>• Distribution Fee</li></ul>	<ul style="list-style-type: none"><li>• Distribution Fee of 50% share of Red Date's 1/3 revenue portion for new VDCs installed</li><li>• Red Date provides technical support to integrate VDC into cloud services of their choice or native cloud</li></ul>
<b>Consulting Service Provider</b>	Consulting services based on the Public IT System concept	Organizations that want to use Public IT Systems with their own VDC	<ul style="list-style-type: none"><li>• Solution Consulting Fee (consultant to determine)</li><li>• Distribution Fee</li></ul>	<ul style="list-style-type: none"><li>• Distribution Fee of 50% share of Red Date's 1/3 revenue portion for new VDCs installed</li><li>• Red Date to provide Spartan Network training to consultant</li></ul>



# Red Date Distributor Support

1

A set of BSN Spartan distributor tools will be provided to all distributors for free (not open source), including basic end-user interfaces, payment gateways, an enhanced dashboard, analytic tools, end-user SDKs, and end-user API services. More functions will be added each quarter.

2

A dedicated support channel (Telegram/WeChat/WhatsApp) will be set up for each distributor for business and technical inquiries during office hours (HK time).

3

An NTT-based subsidy will be offered to cover half of the VDC hosting cost for the first six months. Half of Red Date's one-third of Spartan income will be shared with distributors for the term of the initial agreement.

4

For a distribution partner, Red Date can provide smart contract design and development assistance the first three enterprise end-users, up to a maximum of 40-person hours.

5

An open-source smart contract marketplace will be provided by Red Date (no automatic deployment) and updated on a monthly basis.

6

Monthly free training session.



# BSN Spartan Education Program

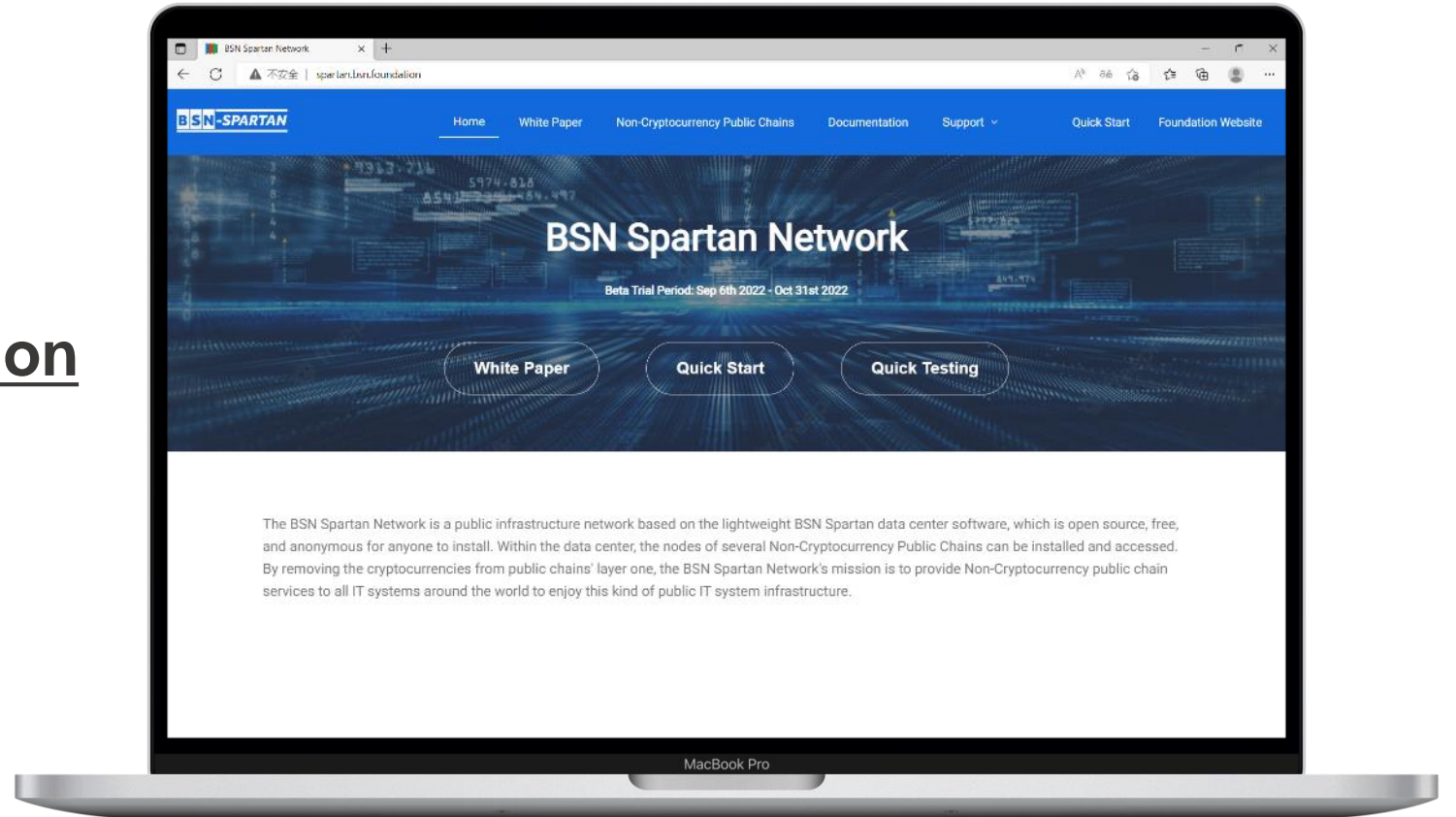
For universities and colleges around the world, we can offer the BSN Spartan Education Program

- 1 Specialized data center software will be established for the universities.
- 2 2000 free NTT will be minted on the first date of each month. The school will manage the gas credit top-ups to student wallets.
- 3 An MOU must be signed with the universities or related entities.
- 4 A quarterly audit of each data center in the program will be performed to prevent excessive commercial usage.



# BSN Spartan Site

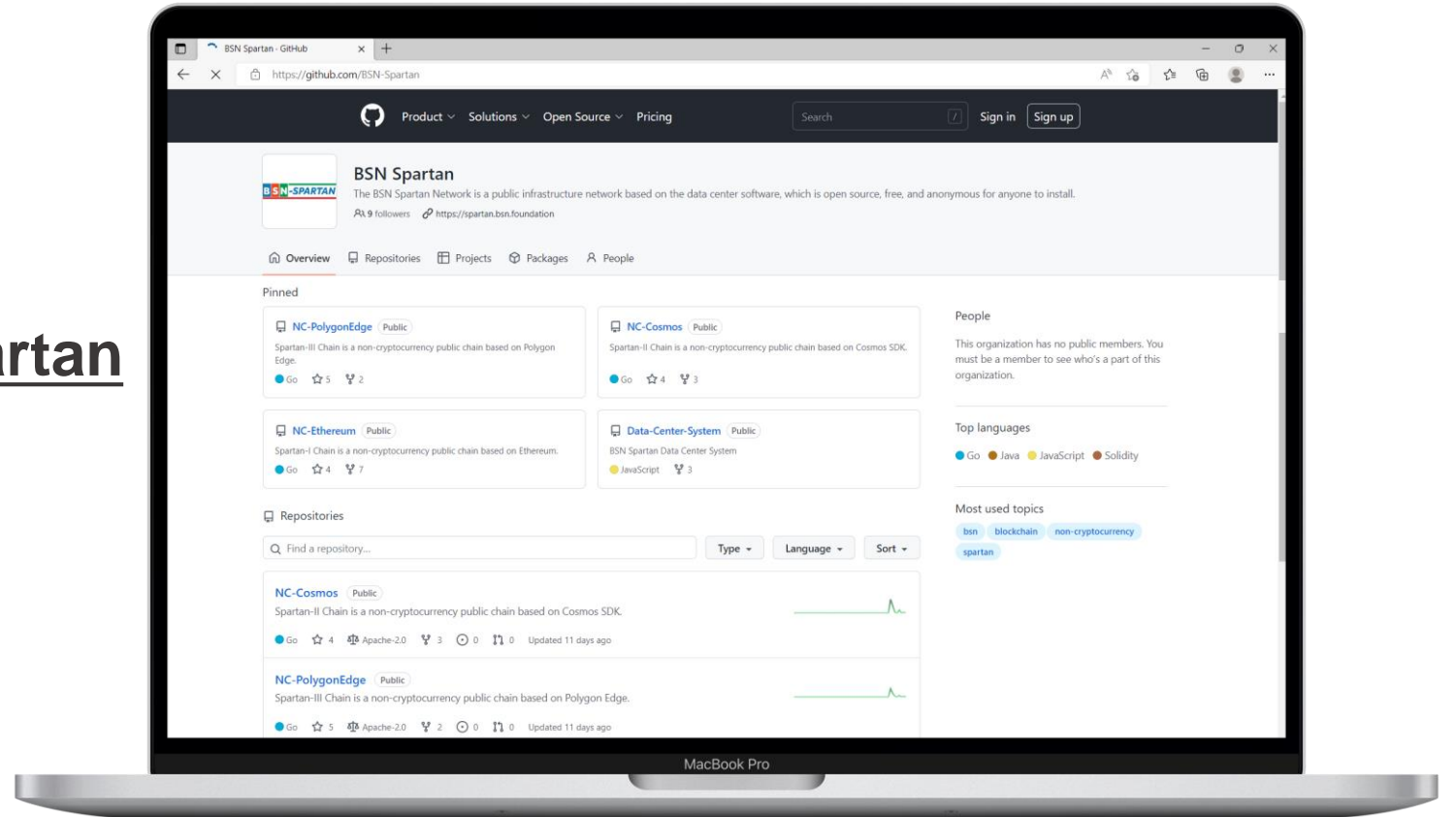
<https://spartan.bsn.foundation>





# GitHub Site

<https://github.com/BSN-Spartan>



**Thank You**



## Spartan Use Case-HSBC

One of the world's largest banking and financial services organisations. HSBC serves approximately 40 million customers through global businesses: Wealth and Personal Banking, Commercial Banking, and Global Banking & Markets. Covers 63 countries and territories in Europe, Asia, the Middle East and Africa, North America and Latin America.



### Payment For The Ecosystem Within BSN Spartan Network

BSN Spartan Network participants have their business workflow connected with the HSBC payment gateway, including supply chain, real estate, and other industries. Participants will submit payment instructions and notifications to HSBC for account payment through BSN Spartan Network.

### BENEFITS:

- Enhance Security
- Improve Efficiency
- Reduce Cost
- Advance Traceability
- Minimize Dispute





## Spartan Use Case-FUJIFILM Business Innovation Hong Kong






A trusted ICT partner specializing in document consultancy, providing professional solutions and services to help customers achieve successful digital transformation. Established in Hong Kong for over 50 years and has over 1000 employees.



### Securely Store And Tokenize The Digitally Signed Documents On The Blockchain.

Leverage BSN Spartan Network to enhance FUJIFILM documentation service. This service will store and tokenize FUJIFILM clients' digitally signed documents and perform validation based on the Spartan blockchain network.

### **BENEFITS:**

-  Enhance Security
-  Improve Efficiency
-  Reduce Cost
-  Advance Traceability
-  Minimize Dispute

## Spartan Use Case-Emperor Group

Emperor Group is a diversified group of companies founded by Albert Yeung in Hong Kong in 1942. Six companies within the Group are listed on the Main Board of The Stock Exchange of Hong Kong. This includes Property, Financial Services, Watch and Jewellery, Entertainment & Culture, Hospitality, Digital Media and Home Living.



### Tokenization of Gifts for Movie Goers

To establish a seamless movie gift redemption process on the movie ticketing system with NFT token using the Spartan Network. Customers can easily redeem tokens by scanning movie tickets

### BENEFITS:

- Conveniency for End Customers
- Enhance Traceability for Operation
- Increase Effectiveness
- Streamline Processing
- Enlarge Audience Outreach



## Spartan Use Case-Prenetics




Founded in 2014, Prenetics (NASDAQ: PRE), is a major global diagnostics and genetic testing company with the mission to bring health closer to millions of people globally and decentralize healthcare by making the three pillars - Prevention, Diagnostics and Personalized Care - comprehensive and accessible to anyone, at anytime, and anywhere. Prenetics operates across 9 locations, including the UK, Hong Kong, India, South Africa, and Southeast Asia.



### Secured and Anonymized Sharing of Health Data Between Patient, Doctor, and Lab

In this proof of concept, Prenetics is exploring Web3 to further strengthen their security and privacy. In particular: to protect their customers' anonymity, to strengthen customers' data non-repudiation, to further increase customers' control and ownership of their data in emerging technologies such as digital health passports, verifiable credentials and authorized EHR sharing

### BENEFITS:

-  Data Ownership
-  Enhanced Security
-  Improved Customer Experience



## Spartan Use Case-Lan Kwai Fong Group






Founded in 1983 by Allan Zeman, first outlet was California restaurant and bar nestled in a Hong Kong neighbourhood of flower stalls and traditional wet markets, transforming it into the nightlight district of legend. Four decades on, LKF Group properties extend from Mainland China to Thailand, and across categories – commercial, residential, hospitality, entertainment, and leisure.



### Connect the Members Offline Activities to the Online Membership System

Using BSN Spartan Network to automate the data exchange between the point of sales (POS) system transactions in LKF Group restaurant to LKF membership system.

### BENEFITS:

-  Increase Workflow Efficiency
-  Enhance Traceability for Operation
-  Streamline Processing
-  Minimize Dispute
-  Trustworthy Traceability



## Spartan Use Case-Maxim's Group






Founded in 1956, Maxim's Group is one of Asia's leading food and beverage companies, operating Chinese, Western, Japanese and Southeast Asian restaurants, quick service outlets, bakery shops and cafes, and an institutional catering service. Maxim's Group also produces a range of festive products, and is a licensee of Starbucks Coffee, Genki Sushi, IPPUDO, The Cheesecake Factory & Shake Shack in various territories. Altogether, the Group has over 1,800 outlets.



### Enhance Maxim's Queue System And Application with BSN Spartan Network

Leverage BSN Spartan Network to enhance Maxim's queue service. This service will store queue and reservation information on the blockchain, and the restaurant will deploy its smart contracts to interact with Spartan Network. And support VIP queuing.

### **BENEFITS:**

-  Enhance Security
-  Improve Efficiency
-  Reduce Cost
-  Advance Traceability
-  Minimize Dispute