

# WHITE PAPER

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## INTRODUCTION

**WHITEPAPER DEXNET** — information document about the DEXNET company, its token of the same name and innovative development - DEX Node device — a hardware and software complex that combines: a microserver, storage, router, access key to the decentralized Internet.

**WHITEPAPER** contains technical data, a complete description and justification of tokenomics with tables, formulas, calculations; company development plan for the near future. The production and distribution of DEX Node devices is carried out by DEXNET INFORMATION TECHNOLOGY CO (patronage is carried out by Sheikh Majid Rashid Al Mualla): Register № 993835 Address: 1008 Conrad Business Tower, Sheikh Zayed Road – Dubai, UAE corp@dexnet.one

**LITEPAPER DEXNET** - shortened and lightweight version of WHITEPAPER DEXNET, the publication of which is expected in the near future.

## INTRODUCTION

Company DEXNET committed technological breakthrough in the areas:

1. decentralization, storing, transmitting and processing data without dedicated servers;
2. creating a decentralized Internet using a combination of public and proprietary communication channels;
3. creating a platform for developers of decentralized services.

Innovative DEX Node combines not only an autonomous network node, a household Wi-Fi router and file storage, but also allows each of its owners to receive daily rewards in DEXNET tokens for supporting and ensuring the smooth operation of the DEXNET network.

Our main competitive advantage is that in this field of invention we — the first in the world and several years ahead of our possible competitors!

## THE PARADOX OF MODERNITY

The world is moving towards decentralization. The paradox of modernity is that until now decentralized services and their derivative products: blockchain, torrent, DEX exchanges, etc. use public centralized internet!

This circumstance at a basic level, deprives such developments of their original meaning -long-awaited decentralization.

After 5 years of development and testing, trial and error, we found a way to solve this problem and the problems outlined below.

## PROBLEMS INTERNET

The Internet is an environment for connecting personal computers, smartphones, servers and IoT devices (physical objects connected to the Internet and exchanging data, (English Internet of Things, IoT) into a global information and communication network for storing and transmitting information. The public Internet exists thanks to the combination of data centers and providers, which represent a centralized platform that has physical and legal vulnerability. Supporters of the decentralized network highlight 3 main problems of the modern Internet

1. openness and accessibility;
2. censorship and privacy;
3. archiving information.

**ABOUT OPENNESS AND ACCESSIBILITY** Internet centralization creates a certain framework for people, deprives or restricts their freedom. For example, if you use Apple's iCloud to store photos, you won't be able to give access to it to a Microsoft OneDrive account user. These storages do not "contact" each other.

By placing private information in cloud storage, you cannot guarantee that no one except you will gain access to your information.

By placing information in a centralized cloud, you agree that you are transferring it to the corporation that owns the cloud.

**ABOUT CENSORSHIP AND PRIVACY** Centralized web services make it easy for companies to track your internet usage. Owners of social networks often make money by selling users' personal data, their interests, and the circumstances of their lives. Fitness trackers and health monitoring apps store a large amount of personal and even intimate information about users. We create accounts on social networks and freely provide them with our personal information by agreeing to the terms of use.

**ABOUT ARCHIVING INFORMATION** The modern network is ephemeral: information changes, websites are born and cease to exist. Very little data is retained and archived. Vinton Cerf— American computer scientist, often called the "Father of the Internet" called this time the "Dark Digital Ages." When historians of future generations study this period, there will no longer be a huge amount of material on the Internet -records will not be saved.

A good example of such a loss is that of Yahoo. She first created the GeoCities website,then I deleted it.Millions of user pages with their stories are irretrievably lost. Technologies are being developed to create a decentralized network, which you may already be familiar with. One of the key technologies supporting a decentralized network is a peer-to-peer network - P2P. BitTorrent was created using this technology.

In P2P networks, information is distributed among thousands or millions of computers instead of being stored on a single server. Since the contents of the files of websites distributed and decentralized, it is more difficult to shut down a site or delete a file,unless you own it.

This means that information uploaded to decentralized networks can be stored, creating archives of old information. Technologies such as cryptographic security and blockchain provide a level of security that makes activity on these networks difficult to track, making them highly reliable. Together, these technologies can protect the privacy of Internet users.

# HISTORY OF CREATION DEXNET

## ABOUT COMMANDST

The development team led by Alexey Kedo began working together in 2017. Now the team has more than 20 IT specialists from Canada, Turkey, Spain, Ukraine, Germany, England, and Australia.

The staff includes specialists with levels ranging from Middle + to Senior and Lead, all with specialized higher education or related education. In addition to developers, the team includes business and system analysts, interface designers, developers, devops, and testers.

## ABOUT THE IDEA

Initially, in 2017, the team was tasked with developing a cloud storage system consisting of thousands of custom microservers operating without a central coordinating server. Such decentralization could provide the highest level of security, making physical and legal influence on data centers impossible.

The technology of encryption and segmentation of the encrypted container allows you to make the Internet confidential: access to private information will be available only to the owner who uploaded this information to the cloud.

However, with a classic server architecture, network nodes (nodes) can only be controlled by a central server. And this reduces decentralization to nothing. For a long time this problem remained unsolved.

## ABOUT THE IMPLEMENTATION OF AN IDEA

In 2022, everything changed with the advent of the ability to connect nodes to a closed satellite system Swarm from SpaceX. Now, thanks to satellites, data about open ports and assigned IP addresses is transmitted between nodes in a fraction of a second, bypassing the public Internet.

Connection DEXNET to satellites made it possible not only to exchange data between nodes, but also to transfer encryption keys and other service information, even if the node is not connected to the Internet.

SpaceX created an alternative satellite communication channel with widespread coverage. Thus, it became possible to create something that one could only dream of - a decentralized Internet.

## DEX NODE

**DEX Node** — this is a physical device: a node, a node, a microserver with a large SSD, which has 4 alternative communication channels.

By uniting with each other using the P2P principle, nodes form a distributed, decentralized environment on the basis of which DEX services are deployed. Each node uses a high-performance multi-threaded processor, 2Tb SSD memory, GSM, Swarm and its own independent wireless channel module— DEX WAN.

### **DEX Node has 4 alternative communication channel:**

1. Own high frequency terrestrial channel This is an autonomous communication channel at a frequency of 915 MHz, thanks to which DEX Node's devices detect each other within a radius of up to 5.5 km. By connecting with each other like a honeycomb, DEX Node's form a stable, secure communication channel and overlap each other with a terrestrial radio signal.
2. Low Earth orbit satellite channel This channel is provided by direct connection of DEX Node's devices via a compact 25 cm antenna to the nearest low-orbit satellite of the system Swarm (from SpaceX) for two-way data exchange. Satellites SpaceX form a stable connection with DEX Node's, covering the planet 100%.
3. GSM Based on DEXNET technology decentralized mobile operator DEX Mobil has been deployed. Each DEX Node is equipped with a GSM module and a direct connection to the DEXNET network.
4. Public Internet In parallel, DEX Node's use the traditional Internet to transmit large-volume encrypted data packets.

### **TECHNICAL SPECIFICATIONS DEX NODE**

- CPU: 4-core Rockchip RK3566
- RAM: 4 GB · SSD: 2 TB
- Ethernet: RJ45, Wi-F
- GSM: with e-sim DEX Mobile
- Satellite system: SWARM from SpaceX (optional)
- Dex Wan: own high-frequency terrestrial channel 915 MHz, 5.5 km

**Attention! The manufacturer reserves the right to change the technical parameters of devices without prior notice.**

**DEX Rate (DR)** — coefficient computing power of DEX Node. Used when calculating remuneration to the node holder. The base DR is 1.

**DEX Rate (DR)** depends on:

1. continuous operation time in online networks (uptime);
2. the bandwidth of the node owner's Internet channel;
3. quality of communication signal with a satellite or base station;
4. SSD disk capacity. The volume of DEXNET tokens obtained during the operation of the DEX Node is multiplied by this coefficient. The total amount of DEXNET tokens is credited to the node holder's wallet.

#### **MINIMUM REQUIREMENTS FOR THE BANDWIDTH OF A NODE'S INTERNET CONNECTION**

Up: 0,10 MbpsD

w: 0.30Mbps

#### **OPTIMAL REQUIREMENTS FOR THE BANDWIDTH OF A NODE'S INTERNET CONNECTION**

Up: 5 Mbps and above

Dw: 15 Mbps and above

DEX Rate parameter range: from 0.00001 to 1.

#### **SIZE OF REWARD**

**For ensuring the smooth operation of DEX Node devices, node owners receive a reward in DEXNET tokens.**

The size of the reward varies and depends on the number of devices simultaneously working in the network and the issued token blocks according to tokenomics. The total number of active devices is taken into account.



## ADVANTAGES OF DEXNET

**DEXNET** — is a peer-to-peer decentralized P2P (peer-to-peer) network with its own independent communication channels DEX Node's.

Unlike the classical Internet architecture, DEXNET provides access to decentralized services such as cloud or mobile communications without dedicated servers.

**DEXNET** solves most centralization problems by complementing the traditional Internet with a network of physical devices - DEX Node's, equipped with independent communication channels and, in the future, their own blockchain.

1. All private information belongs only to its owner. At the moment when the user decides to upload his private files to DEX Cloud, the files are encrypted into a container, which is split into fragments. Each fragment is copied and the copies are distributed to the nodes. At the same time, the system monitors that a certain number of copies of fragments are always available for assembly and downloading of the container with the file. If any of the nodes is turned off or communication with it is lost, the system automatically copies available copies of container fragments to free, more stable nodes.
2. All data transmitted to the public Internet is encrypted with a key that is transmitted to the recipient bypassing the public Internet via low-orbit satellites. For example, a message transmitted in DEX Messenger is encrypted into a container, the decryption key for which is sent to the subscriber via a satellite network, bypassing the traditional Internet.
3. A decentralized data center by default has no disadvantages, unlike a traditional data center: a) there is no single point of location of the data center, which means that the data center is physically protected; b) there is no legal vulnerability, because centralized data centers belong to legal entities with all the ensuing consequences;
4. distribution of energy load and cooling. Data centers consume megawatts of electricity and require an impressive number of personnel to maintain both the servers themselves and the power and cooling communications.

## DEXNET MISSION

**DEXNET's mission is to make using the Internet safe and private.** This is achieved not only by decentralization, but also by data transmission algorithms via alternative communication channels.

**Every person in the world has an inalienable right to privacy of correspondence, negotiations and storage of information, not because he has something to hide, but because other people, having his private information, can use it against this person.**

When placing any information in the cloud, or transferring it at their own discretion, everyone has the right to privacy.

**DEXNET** creates an alternative to the centralized Internet.

## DEXNET ECOSYSTEM

The DEXNET ecosystem is a closed loop based on the principles of mutual support and ensuring the existence of a platform for various services. For example, the holder of a DEX Node, by providing it with access to the public Internet and electricity, ensures the operation and existence of the entire DEXNET technology. For this, the owner of the node gets access to services deployed in a decentralized network, for example DEX Cloud.

**To ensure proper operation of DEX Node, you need**

1. sufficient public Internet bandwidth (from 15/5 Mbps);
2. round-the-clock access to the Internet;
3. direct visibility of the sky with the SWARM antenna (optional).

**The DEXNET token is exchanged for access to services deployed on the DEXNET network.** Excess tokens can be exchanged on the exchange.

### DEXNET DECENTRALIZED SERVICES

- DEX Cloud - cloud storage
- DEX Mobile — mobile operator;
- DEX Global Trading Platform — stock broker (in the future)

- DEX Wallet — crypto-wallet (with the possible release of a Master Card in the future)
- DEX Games — gaming blockchain platform (in the future).

All elements of the DEXNET ecosystem use the native DEXNET token as a means of payment. **When paying with DEXNET tokens, the user receives the most favorable conditions and tariffs.**

## BUSINESS-MODEL DEXNET

**Dexnet Information Technology CO** — company is a developer and manufacturer of hardware, software and devices of its own brand DEXNET.

### **SALE OF DEX NODE DEVICES**

DEX Node devices are sold through distributors companies and directly.

When paying for the device, it is automatically generated device activation promo code. It must be used to activate the device on the site dexnet.one and **indicate delivery addresses.**

**Owners of DEX Node's devices that ensure the functioning of the network receive a reward for this in DEXNET tokens.**

Payment for services deployed on a decentralized platform is made in USDT and DEXNET tokens.

**When paying with DEXNET tokens, an additional discount is provided for all tariff plans.**

## TOKENOMICS DEXNET

**Each owner of an active DEX Node device receives a reward in DEXNET tokens for ensuring the functioning of the DEXNET network.**

Payment for services deployed on a decentralized platform is made in USDT and DEXNET tokens. **When paying with DEXNET tokens, an additional discount is provided for all tariff plans.**

Exchange ticker of the token: DEXNET  
Network: BEP-20

**Smart contract:**

[https://bscscan.com/  
address/0x39dF92f325938c610f4e4a04F7b756145eBe8804#code](https://bscscan.com/address/0x39dF92f325938c610f4e4a04F7b756145eBe8804#code)

The issue is limited and amounts to: 3,000,000,000 tokens.

### TERMS AND DEFINITIONS

**DEX Rate (DR)** — coefficient of accounting for the computing power of DEX Node, on the basis of which the reward for DEX Node owners is calculated. DR calculated individually for each device.

**Total DEX Rate** (eng. DEX Rate Total, DRT) - daily allowance index DEX Rate of all active devices.

**Daily Block Course** (eng. Daily Block Course, DBC) — calculated base reward at DEX Rate=1, table. No. 3.

**Pool of Awards** (eng. Reward Pool, RP) — a regularly replenished pool of tokens, formed by repurchasing tokens from the market.

**RP (Reward Pool) is being consumed to accrue rewards to active devices.** The budget for the repurchase of tokens is formed from proceeds from sales of products and commissions of the DEXNET ecosystem. Distribution of this pool (constant distribution of tokens) activates on block 25.

**AwardActive Device** (eng. Active Device Reward, ADR) — tokens credited daily on address, assigned to the device.

**Savings Pool** (eng. Cumulative Pool, SP) — a pool of tokens remaining after the 30th day in the block. Each block is active for no more than 30 days. Tokens remaining in any block after the 30th day are transferred to the Accumulation Pool (SP).

**Market Making Pool** (English Market Making Pool, MMP) — a pool of tokens allocated for listing on exchanges.

**Matching Pool** (eng. Matching Pool, MP) — a pool of tokens for marketing strategies of distribution companies.

**Promo Pool** (eng. Promo Pool, PP) — a pool of tokens for promotions, airdrops, etc.

Table No.1: **DISTRIBUTION OF TOKENS BETWEEN POOLS**

NAME	PRIVATE SALE	MMP	RP (for staking)	MP+PP	TEAM	TOTAL
Token distribution, %	6,67%	13,33%	66,67%	6,67%	6,67%	100,00%
Number of tokens	200 000 000	400 000 000	2 000 000 000	200 000 000	200 000 000	3 000 000 000
Token price, \$	0,01	market	market	market	market	market
Round raise, \$	2 000 000	market	market	market	market	2 000 000
Valuation, \$	30 000 000					
Unlock on TGE	0	10 000 000	0	0	0	\$ 100 000
Cliff, months	36	—	—	1	36	
Unlocking period, months	12	—	—	12	12	

## RULES OF DISTRIBUTIONS AND ACCRUALS

**Blocks are distributed in the following order:**

1. **Blocks 1– 48** distributed according to the daily block rate, table. No. 2.
2. **Block 49** distributed among all active devices using a coefficient DRT (total DEX Rate), tab. No. 4.

Daily accrual AwardsActive Device (eng. Active Device Reward, ADR) calculated by the formula:

**ADR = DBC x DR** (Daily Block Rate x DEX Rate).

Tokens are accrued to the owner of an active DEX Node at the daily rate of the current block, indicatorDBC, table No. 2.

Table No.2: **TOKENS IN BLOCKS, REWARDS FOR DEX NODE**

BLOCK NO	TOTAL TOKENS IN THE BLOCK	ACCRUAL FOR NODE PER MONTH (at DEX Rate=1), TOTAL TOKENS	ACCRUAL FOR NODE PER DAY (at DEX Rate=1) DBC, TOKENS
1	30 000 000	30 000	1 000,00000000
2	20 000 000	15000	500,00000000
3	10 000 000	7 000	233,33333333
4	10 000 000	3 500	116,66666667
5	10 000 000	2 000	66,66666667
6	10 000 000	1 500	50,00000000
7	10 000 000	1 000	33,33333333
8	10 000 000	800	26,66666667
9	10 000 000	600	20,00000000
10	10 000 000	400	13,33333333
11	10 000 000	300	10,00000000
12	10 000 000	200	6,66666667
13	10 000 000	150	5,00000000
14	10 000 000	100	3,33333333
15	10 000 000	90	3,00000000
16	10 000 000	70	2,33333333
17	10 000 000	50	1,66666667
18	10 000 000	40	1,33333333
19	10 000 000	30	1,00000000
20	10 000 000	20	0,66666667
21	10 000 000	15	0,50000000
22	10 000 000	15	0,50000000
23	10 000 000	10	0,50000000
24	20 000 000	9	0,33333333
25	20 000 000	8	0,30000000
26	20 000 000	7	0,26666667
27	20 000 000	6	0,23333333
28	20 000 000	5	0.20000000
29	20 000 000	4	0,16666667
30	20 000 000	3	0,13333333

Tokens are accrued to the owner of an active DEX Node at the daily rate of the current block, indicator DBC, table No. 2.

Table No.2: **TOKENS IN BLOCKS, REWARDS FOR DEX NODE**

BLOCK NO	TOTAL TOKENS IN THE BLOCK	ACCRUAL FOR NODE PER MONTH (at DEX Rate=1), TOTAL TOKENS	ACCRUAL FOR NODE PER DAY (at DEX Rate=1) DBC, TOKENS
31	20 000 000	2	0,10000000
32	20 000 000	2	0,06666667
33	20 000 000	2	0,06666667
34	20 000 000	2	0,06666667
35	20 000 000	2	0,06666667
36	20 000 000	1	0,06666667
37	20 000 000	1	0,03333333
38	20 000 000	1	0,03333333
39	20 000 000	1	0,03333333
40	20 000 000	1	0,03333333
41	20 000 000	1	0,03333333
42	20 000 000	1	0,03333333
43	20 000 000	1	0,03333333
44	20 000 000	1	0,03333333
45	20 000 000	1	0,03333333
46	20 000 000	1	0,03333333
47	20 000 000	1	0,03333333
48	20 000 000	1	0,03333333

**EXAMPLE No. 1: CALCULATION OF DAILY ACCRUALS FOR ONE DEX NODE**

**Hopefully:** Active unit 1; DR = 0,9.

**Task:** Calculate the daily accrual for the work of one active DEX Node.

**Move decisions:**

1. DBC (Daily Block Course) = 1000 tokens (Table No. 2).
2. DR (DEX Rate) We take the active node from the DEXNET mobile application or on the website dexnet.one.
3. The daily accrual is calculated using the formula DBC and DR, it will be:  $1000 \times 0.9 = 900$  (tokens).

**Answer:** Daily accrual for the work of one active DEX Node will be 900 tokens.

**Note:** If the amount of tokens in a block ends on day 23, then on day 24 the next block is activated and DBC 24 days will be 500. Then daily accrual DBC and DR will be  $500 \times 0.9 = 450$  (tokens).

## RULES FOR TRANSITION TO THE NEXT BLOCK

1. Each block is active for no more than 30 days. All tokens remaining after 30 days are transferred from the current block to **Savings Pool** (Cumulative Pool, SP).
2. «**Block+CP**» — total remaining tokens in **current block** and in Savings Pool (CP).
3. If the daily accrual for all active devices exceeds the balance of tokens in "Block+CP", the transition to the next block occurs ahead of schedule, before the expiration of 30 days.

*The number of tokens that are taken from CP (Cumulative Pool) in a day we calculate using the formula:  $CP = DBC \times DRT$ .*

Savings Pool (SP) remains active and is replenished up to block 48 inclusive **about**.  
**Next, all accumulated tokens move to block 49.**

## EXAMPLE #2: GO TO THE NEXT BLOCK

(Imbalance of tokens in Block+CP» less than the required daily allowance for all active devices)

**Hopefully:**

In block 4 on day 29 there were 30,000 tokens left;

**VCP** (Savings Pool) 70,000 tokens after passing 1 blocks–3;

**DR** (DEX Rate) = 1;

**DRT** (Total DEX Rate) = 3,000; course 4th block per day, table. No. 2 = 116.66666666 (3500/30).

**Task:**

Calculate daily accrual tokens for each active device on day 29 in block 4 with DR=1.

**Move decisions:**

1. We calculate the number of tokens to be credited to all active devices per day (DBC x DRT): 116.66666667 (tokens, DBC (Daily Block Course, table No. 2)) x 3 000 (DRT) = 349,999.99998 (tokens).
2. B "Block+CP" total: 30,000 (tokens on the 29th day) + 70,000 (tokens after passing 1 blocks–3) = 100,000 (tokens). And we need 349,999.99998 (tokens) to credit all active devices, which is more than 100,000 (tokens).
3. We calculate what % this is of the required number of tokens to be credited to all active devices: 100,000 (tokens): 349,999.99998 (tokens for daily accrual) x 100% = 28.57 (% of the required accrual amount).
4. We charge: 100,000 (tokens): 3000 (DRT) = 33.33333333 (tokens per day for a device with DR=1) And move on to the next block.



5. Other tokens  $100\% - 28.57\% = 71.43\%$  we calculate according to DBC (Daily Block Course, table No. 2) next block 5.  $66.66666667$  (tokens from table No. 2 (block rate 5 per day))  $\times 71.43\% = 47.61999999$  (tokens for a device with DEX Rate=1).
6. The total accrual for the 29th day in block 4 for the device (with DEX Rate=1) will be:  $33.33333333$  (tokens, reward for block 4) +  $47.61999999$  (tokens, reward for block 5) =  $80.95333332$  tokens per day.

**Answer:**

The accrual for 29 days in block 4 for each active device with DEX Rate=1 will be  $80.95333332$  tokens.

**NOTE**

If with the same data DR will be equal to 0.5, then, accordingly, the following will be charged:  $80.95333332$  (tokens credited with DR=1)  $\times 0.5 = 40.476666655$  (tokens).

**ATTENTION! Starting from the 49th block, the reward for 1 day is distributed among all active devices.**

Table No.3: **DISTRIBUTION OF TOKENS 49 BLOCK**

BLOCK NO	TOKENS IN THE BLOCK	DAYS	TOKENS FOR DISTRIBUTION PER DAILY
49	240 00 00 + CP	360	$(240\ 000\ 000 + CP) : 360$

When the 49th block is activated, tokens from CP are added to block 49.

We calculate the reward for the next 360 days and record it.

The daily accrual for all devices is calculated using the formula:  $(240,000,000 + CP) : 360$ .

After fixing the daily accrual for the next 360 days, this number of tokens will be distributed proportionally DRT (TotalDEX Rate) among all active devices.

AwardActive Device (ADR) = fixed reward:  $DRT \times DR$

Table No. 4: **EXAMPLE CALCULATION OF DAILY REMUNERATION FOR 9 DEVICES**

No. DEVICES	DEX RATE ACTUAL	ADR (PrizeActive Device)
1	0,10	9,842519685
2	0,98	96,45669291
3	0,40	39,37007874
4	0,20	19,68503937
5	0,50	49,21259843
6	0,40	39,37007874
7	0,60	59,05511811
8	0,90	88,58267717
9	1,00	98,42519685
<b>Total</b>	<b>5,08</b>	<b>500,00000000</b>
ADR (PrizeActive Device) At DR=1		98,42519685
Fixed daily reward for all 9 devices		500,00000000 (98,42519685 p5,08)

### FORMATION OF A POOL OF AWARDS

**Pool of Awards**(eng. Reward Pool, RP) — a regularly replenished pool of tokens, formed by repurchasing tokens from the market.

**RP** (Reward Pool) is being consumed to accrue rewards to active devices. The budget for the repurchase of tokens is formed from proceeds from sales of products and commissions of the DEXNET ecosystem. Distribution of this pool (constant distribution of tokens) activates on block 25.

Table No. 5: **PROCEDURE FOR DISTRIBUTION OF THE POOL OF REWARDS(RP)**

<b>DAYS OF ACCRUALS FROM BEGINNING BLOCK 25 ACTIVATIONS</b>	<b>NORM OF DISTRIBUTION FOR EACH OF 120 DAYS</b>
1 - 120	30%
121 - 240	50%
241 - 360	75%
<b>From 361 days onwards every 30 days</b>	<b>100%</b>

**REWARD POOL DISTRIBUTION LOGIC (RP) BY DAYS**

**For 1– 120 days** (as of now activation of the 25th block) take from RP (Reward Pool) 30% tokens for 120 days according to tokenomics, table. No. 5. Reward per day =  $RP \text{ (Reward Pool)} \times 30\% : 120 \text{ (days)}$ . We fix this amount for 120 days. Reward = reward per day:  $DRT \text{ (Total DEX Rate)} \times DR \text{ (DEX Rate)}$

**Pool of Awards(RP)** continues to be replenished throughout all these 120 days, as well as all subsequent days.

**For 121– 240 days** (as of now activation of the 25th block) take from RP (Reward Pool) 50% of tokens for the next 120 days according to tokenomics, table. No. 5. Reward per day =  $RP \text{ (Reward Pool)} \times 50\% : 120 \text{ (days)}$ . We fix this amount for the next 120 days. Reward = reward per day:  $DRT \text{ (Total DEX Rate)} \times DR \text{ (DEX Rate)}$ .

**For 241– 360 days** (as of now activation of the 25th block) take from RP (Reward Pool) 75% of tokens for the next 120 days according to tokenomics, table. No. 5. Reward per day =  $RP \text{ (Reward Pool)} \times 75\% : 120 \text{ (days)}$ . We fix this amount for the next 120 days. Reward = reward per day:  $DRT \text{ (Total DEX Rate)} \times DR \text{ (DEX Rate)}$ .

**IMPORTANT! For 361 days** (from the moment of activation of block 25) **100% of the tokens located in the RP** (Reward Pool).

**For 361 days** (from the moment of activation 25th block) take from RP (Reward Pool) 100% for the next 30 days according to tokenomics, table No. 5. Reward per day =  $RP \text{ (Reward Pool)} : 30 \text{ days}$ . We fix this amount for the next 30 days. Reward = reward per day:  $DRT \text{ (Total DEX Rate)} \times DR \text{ (DEX Rate)}$ .

**Then we continue in the same way every 30 days.**

# STAKING DEXNET TOKENS

**Staking** (English staking; stake — "destiny", "bet") - This is the process of supporting the operation of the blockchain by storing cryptocurrency in a cryptocurrency wallet or on a special platform for receiving rewards.

**There are 2 types of staking of DEXNET tokens:**

1. **Staking-1** is a rewards program for owners of active DEX Nodes, ready to send your DEXNET tokens for a selected period to receive additional remuneration. · Works with DEXNET tokens, obtained through the work of DEX Node. · Active and accrued within the 500,000,000 tokens allocated for it. · It can only be opened if there are tokens in the Staking-1 pool.
2. **Staking-2** is a rewards program for all participants, ready to send their DEXNET tokens for a selected period to receive additional rewards. · Works with DEXNET tokens, purchased on the free market. · Active and accrued within the 500,000,000 tokens allocated for it. · It can only be opened if there are tokens in the Staking-2 pool.

STAKING DURATION	STAKING REWARDS-1 FOR HOLDERS ACTIVE DEVICES	STAKING REWARDS-2 FOR ALL HOLDERS DEXNET TOKENS	ACCRUAL OF REMUNERATIONS BY STAKING
3 month	12% per annum	10% per annum	At the end of the term
6 month	24% per annum	20% per annum	At the end of the term
12 month	36% per annum	30% per annum	Every 3 month
24 month	48% per annum	40% per annum	Every 3 month
36 month	60% per annum	50% per annum	Every 3 month

**Attention!**

**At any time, the term of any Staking can be changed either up or down. The amount of reward for Staking is calculated according to the data in table.**

**No.6 as follows:** number of tokens sent to Staking x % of reward: 12 months x Staking period.

**ADR (PrizeActive Device) accrued daily and immediately divided in a 50/50 ratio: 50% of tokens are available to the owner of the node for any purpose, and the user sends 50% of the tokens at any Staking for the selected period. The default staking duration is 3 months.**

**Important!** When for ADR (AwardsActive Device) tokens are running out, and in Tokens remain for the Staking-1 pool, Their remainder is transferred to Staking Pool-2.

When the tokens in the Staking Pool-1 run out, ADR (PrizeActive Device) is credited immediately and 100% of the tokens are available to the owner of the node for any purpose.

## \*IPFS 2.0 HARDWARE IMPLEMENTATION OF THE PROTOCOL

IPFS technology is used as a basic protocol for data transfer between DEX Node's in its hardware implementation, eliminating its shortcomings.

IPFS is a P2P protocol that unites connected devices into a network with a common file system (InterPlanetary File System). It was introduced in 2015 by engineer Juan Bennett . Today the protocol is supported by Protocol Labs and open source community.

The IPFS task — correct the shortcomings of the client-server model that underlies the modern Internet. The protocol implies that the data does not depend on the primary source servers and is stored separately. This model is reminiscent of torrents. The role of the address for accessing files, documents and other information is played by a cryptographic hash, attached to object contents and.

IPFS support appeared in Opera browser for Android. Simultaneously with browsers implement various sites, for example, Neocities web hosting for indie developers. Soon to IPFS joined one of the largest Western cloud providers. Since IPFS is based on the idea of decentralization, it could not do without blockchain projects. In 2017, the authors of the protocol launched a data storage platform Filecoin.

There is an opinion in the IT community that the protocol is developing slowly and remains unfinished. 7 years after its launch, its versions still start from scratch and rarely receive major updates.

Working with the basic protocol without hardware upgrades also causes difficulties. Hacker News notes that attempts using IPFS for different projects each time is accompanied by slow loading, problems with IPNS (a specialized naming system) and the inability to associate domains with hashes.

At the same time, due to its decentralization, IPFS doesn't fit well for working with confidential data. To be fair, it is worth noting that projects are already being developed that make it possible to build local storage based on IPFS, for example, Stupid. However, its applicability has also been questioned. Around this open framework turned around hot discussion on Hacker News.

Hardware modernization of the protocol and the creation of the DEXNET platform will allow us to reach a completely new level, solving the issue of the complexity of representing addresses and the speed of data exchange.

IPFS is based on hash addressing. The value returned by the hash function is used as the address. The result is a URL that is difficult to write and read. Core protocol developers note, that the search and implementation of effective mechanisms related to converting IPFS addresses into understandable designs for people will help the spread of the technology.

DEXNET solves the performance problem through a hardware upgrade of the protocol. Basic protocol Maybe work quickly, but through caching proxies. A common situation when starting to download a file have to wait up to 45 seconds. Placing the protocol on an adapted hardware platform with the integration of alternative independent communication channels for the exchange of service information (SWARM, as a closed satellite local network, and DEX Wan, as its own direct communication channel) complemented the protocol, eliminating the listed shortcomings, thereby creating a precedent for the technology WEB 4.0.

## DEXNET INTEGRATION STEPS

1. Permanent activation of devices using the public Internet. Transfer of keys and other confidential information between devices occurs via a low-orbit satellite channel Swarm or GSM.
2. Formation of local clusters. Devices are connected to each other within a cluster using own terrestrial high-frequency channel. Communication between clusters occurs by Swarm or GSM satellite communication.
3. Formation of continental clusters. Local clusters connect with each other within the continent via their own terrestrial high-frequency channel. Communication between continents to exchange encryption keys occurs through Swarm satellite communications.

## DEXNET SERVICES

### DEX Cloud

The technology of cloud data storage in a decentralized network of DEX Node devices is easy and simple, similar to hosting a file in any known cloud.

The only difference is that your file is not stored on a server in the data center, but is encrypted into a container and divided into fragments. Each fragment is copied and placed on different DEX Node's.

At the same time, the system automatically monitors online access to each copy of the container fragment and, in case of loss of connection with one of the copies, immediately duplicates it with simultaneous downloading from all available devices using the Torrent principle and at once placed it on another free device.

Thus, provides round-the-clock access to container fragments for instant assembly and decryption of the file back.

### DEX Mobile

- The world's first decentralized international mobile operator.
- DEX Mobile uses the existing network of GSM mobile communication stations to exchange an encrypted data packet, the key to which is transmitted to the subscriber via the Swarm Space X network of low-orbit satellites or via DEX Wan's own direct channel.
- Subscribers need to connect their mobile device with eSim Dex Mobile installed to the DEXNET network at least once.
- At this moment, the mobile device will exchange decryption keys with the subscriber via the DEXNET network, bypassing operator towers and the public Internet.

## SMART CONTRACT OF DEXNET TOKEN

Smart contracts on the Binance Smart Chain (BSC)

//Address <https://bscscan.com/address/0x39dF92f325938c610f4e4a04F7b756145eBe8804#code>

The DEXNET token smart contract is the standard BEP-20 token contract on the Binance Smart Chain (BSC).

The smart contract of the DEXNET token implements the following features:

- placing the contract on pause;
- contract upgrade;
- contract management by the administrator(s) rather than the owner;
- enabling protection against sandwich attacks when trading on DEX;
- secure loading of liquidity on DEX;
- comfortable connection to a DEX market maker

## CURRENT STATE OF DEXNET

- An architecture for DEX Node interaction in a closed network has been developed.
- Prototypes of the DEX Node device have been developed.
- DEX Cloud architecture developed.
- Basic software has been created to support the DEXNET 1.0 network.
- Client software has been created to work in the DEXNET 1.0 network.
- Basic testing of the DEX Cloud distributed disk storage service has been carried out.
- A pilot launch of DEX Cloud was carried out with testing of data transmission in the SWARM/GSM network.
- Head office opened in DUBAI



# ROAD MAP

## I quarter 2023

- Accepting first orders of DEX Node.
- Preparing the deployment of the decentralized global network DEXNET.

## IV quarter 2023

- Listing of the DEXNET token on exchanges.
- Activation of a smart contract and listing of a token on cryptocurrency exchanges.
- Opening of token trading.
- Connecting the first DEX Node's to the network.
- Activation of DEX Node's devices on the network.
- Beginning of the deployment of the decentralized network DEXNET.
- Listing of the token on exchanges.

## I quarter 2024

- Opening of sales of DEX Mobile.
- Start of sales of eSIM cards from the first decentralized international mobile operator.

## II quarter 2024

- Closed testing of the DEX Cloud service.
- Beta testing of decentralized disk storage for private and commercial use.

## IV quarter 2024

- Blockchain deployment on the DEXNET network.
- Beta testing of the DEXNET blockchain on a decentralized hardware platform on DEX Node's devices.

## I quarter 2025

- Creation of a decentralized crypto bank.
- Launch of a decentralized cryptocurrency bank on the DEXNET blockchain with VISA cards.

## DISCLAIMER

These terms apply to any purchase, sale or offer of tokensDEXNET (“TokensDEXNET») - productsDexNode (physical device, microserver with SSD drive and alternative communication channels) providedDexnet Information Technology CO, a company incorporated and existing under the laws of the UAE, with its registered office at 1008 Conrad Business Tower, Sheikh Zayed Road - Dubai, UAE ("We", "DEXNET") as described on our website.<https://dexnet.one/>.

These terms and conditions shall be governed by and construed in accordance with the laws of the United Arab Emirates and shall be binding and enforceable on every person who engages in the purchase, sale or offer of DEXNET tokens. Please read these terms and conditions carefully to ensure that you fully understand the rights, responsibilities, and risks associated with these terms and conditions. By participating in the purchase, sale or offering of tokensDEXNET, you confirm your full understanding and acceptance of these Terms. If you do not understand or agree to these terms, you should not participate in the purchase, sale or offer of DEXNET tokens. Continuing to buy tokensDEXNET, sell or offer tokensDEXNET, you expressly agree to and acknowledge these terms and conditions.

## DENIAL OF RESPONSIBILITY

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW AND UNLESS OTHERWISE PROVIDED BY US:

1. TOKEN TECHNOLOGY DEXNET PROVIDED ON AN “AS IS” AND “AS AVAILABLE” BASIS. WE DO NOT PROVIDE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT OF THIRD PARTY RIGHTS WITH RESPECT TO TOKENS DEXNET;
2. as any other technologies cannot guarantee that they are reliable, unmistakable, meet your requirements, do not contain viruses or other harmful components, so we do not declare and do not guarantee that tokens are not to be tokens DEXNET OR THEIR DELIVERY MECHANISM IS RELIABLE, ERROR-FREE, MEETS YOUR REQUIREMENTS, AND IS FREE OF VIRUSES OR OTHER HARMFUL COMPONENTS OR THAT TOKENSDEXNET DO NOT CONTAIN DEFECTS AND THEY WILL BE CORRECTED;

You are required to comply with all applicable laws and regulations whenever you engage in the acquisition, offering or trading of tokens DEXNET. In addition, you are responsible for obtaining all necessary consents, authorizations or authorizations in accordance with the laws and regulations in force in any jurisdiction relevant to your activities in connection with the purchase, offer or sale of DEXNET Tokens.

Please remember that you are responsible for compliance with legal requirements and we do not accept any liability for compliance in this regard. It is important to note that we make no representations or warranties regarding the legality of your token purchases. DEXNET with respect to applicable laws or similar regulations in any jurisdiction.

## CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This document contains certain forward-looking statements. Forward-looking statements are statements that are not historical in nature. You can identify these statements by the use of forward-looking terminology such as "believe", "estimates", "outlook", "plans", "projects", "expect", "is expected", "intends", "may", "will", "may", "should" or other similar terms. In addition, forward-looking statements may relate to strategies, plans, business prospects, objectives, future events or intentions. These forward-looking statements can be found throughout many sections of this document and include, but are not limited to, statements about our intentions, beliefs or current expectations regarding the business model DEXNET, development costs, liquidity, growth prospects, strategies and expectations for the development of the cryptocurrency market and blockchain technology.

By their nature, forward-looking statements involve risks and uncertainties because they relate to future events and circumstances. We strongly recommend that you review this document, especially the Risk Factors section, carefully to obtain a complete understanding of the risks associated with the purchase of products or services. DEXNET. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee actual results. Many of the factors discussed in this document, some of which are beyond our control, are critical to determining future success DEXNET and whether it will launch according to our current expectations. As a result, actual results may differ materially from what might be expected based on the forward-looking statements. Because of these and other uncertainties, you should not interpret the inclusion of forward-looking statements in this document as a commitment DEXNET (or any other organization created for the development DEXNET) that its plans and objectives will be achieved and you should not place undue reliance on these forward-looking statements. We will update forward-looking statements only as required by law.

## IMPORTANT NOTICES

This white paper is intended to provide specific information related to the purchase of token-related products or services DEXNET, and should be used solely in connection with tokens. Please be aware that this document is provided to you on the assumption that you have the legal right to possess or have access to it under the laws of your jurisdiction. You are prohibited from delivering this document to any person in any jurisdiction where it would be unlawful to do so.

This document does not constitute any form of offering and does not expressly constitute an initial public offering or any other offering of shares or interests. Ownership of any token associated with DEXNET, does not give ownership rights, shares or capital in DEXNET, and also does not entitle you to receive dividends. Potential buyers should rely on their personal assessment of the business model when making decisions DEXNET and tokens issued DEXNET, taking into account both their benefits and risks. Prospective purchasers should not interpret the contents of this document as legal, business, tax, accounting, investment, financial or other advice. We encourage each potential purchaser to consult its own advisors regarding the legal, business, tax, regulatory, accounting, financial and other implications.

CLIENT ACTIONS RELATED TO TOKENS DEXNET, CREATE RISKS AND MAY RESULT IN LOSS OR DECREASED VALUE OF PRODUCTS OR SERVICES. NOTHING IN THIS DOCUMENT CONSTITUTES AN OFFER OF SECURITIES FOR SALE IN ANY JURISDICTION.

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We reserve the right to prepare additional documents and materials (however named) in order to obtain registration or to rely on any available exemption from registration requirements under the United States Securities Act or the securities laws of any other jurisdiction. for the purpose of offering and selling tokens DEXNET in the US or other jurisdictions during the token sale DEXNET (as provided herein). TOKENS DEXNET AND/OR ANY SAFT (OR SIMILAR) AGREEMENTS ENTERED INTO CONNECTION THEREWITH WILL BE SUBJECT TO TRANSFER AND RESALE RESTRICTIONS UNDER APPLICABLE U.S. SECURITIES LAWS AND/OR OTHER RELEVANT LAWS AMI IN THE EVENT OF THEIR TRANSFER OR RESALE.

## RISK FACTORS

Purchasing services or products DEXNET and/or tokens DEXNET entail significant risk. We strongly recommend that you carefully review all information in this document, including the following risk factors, as well as the terms of the SAFT Agreement or any other document related to the sale of tokens DEXNET before deciding to purchase devices DEXNET and/or perform actions related to tokens DEXNET. The actual occurrence of any of the following events could have a material adverse effect on the development, business, prospects and results of operations DEXNET, which may adversely affect your ability to receive rewards from your acquisitions. Many of these factors are contingencies that may or may not occur, and we cannot estimate the likelihood of such contingencies occurring. Although the risks discussed below are not exhaustive and represent only those that we consider to be significant, they may not be the only risks and uncertainties that may be faced by DEXNET. Additional risks not currently known, expected or believed to be immaterial may also have a material adverse effect on the company's development, business, prospects and results of operations. DEXNET, and you may lose a significant portion or all of the price paid to purchase the products DEXNET and/or tokens DEXNET. Thus, the purchase of services or products DEXNET and/or performing actions related to tokens DEXNET must be carried out exclusively by individuals who may bear such risks. Before participating, please consider the potential risks carefully and, if necessary, consult with legal, accounting and tax professionals to assess the risk involved. The token economy is relatively new, and tokens may potentially be subject to regulations, including restrictions on ownership or use. There is no guarantee that the purchased tokens DEXNET will increase in value, provide a profit, or achieve sufficient distribution and liquidity to be exchanged for other assets.

**Binance Smart Chain (BSC)**, on which tokens are based DEXNET, is an experimental technology and it is not possible to anticipate all potential future risks. We are not responsible for possible losses. Please be careful with all crypto assets and refrain from spending funds that you cannot afford to lose.

WE DO NOT MAKE ANY PROMISES REGARDING POTENTIAL EARNINGS OR REFUNDS. YOU COULD POTENTIALLY LOSE THE ENTIRE PRICE YOU PAID FOR PRODUCTS OR SERVICES IF THE MARKET PRICE OF THE TOKENS DEXNET WILL FALL TO ZERO.

**Risk of losing access to tokens DEXNET** due to loss of private key(s): tokens DEXNET - these are BEP-20 tokens Binance Smart Chain (BSC). Accessing and using these tokens requires a wallet that complies with these standards, such as TrusrWalleet or Metamask. You are responsible for protecting your tokens and preventing losses due to lost keys or malicious access.

WE ARE NOT RESPONSIBLE FOR LOSS OF TOKENS OR OTHER LOSSES YOU SUFFER AS A RESULT OF LOSS OF KEYS OR AN ATTACK ON YOUR WALLET.

**Risks associated with Binance Smart Chain (BSC)**. Since tokens DEXNET is based on blockchain Binance Smart Chain (BSC), any malfunction, glitch or failure in the BSC blockchain can significantly impact the platform DEXNET and its tokens. Additionally, technological advances such as quantum computing may pose risks to the platform DEXNET, rendering the cryptographic consensus mechanism underlying the blockchain ineffective Binance Smart Chain (BSC).

**Licensing risks.** Platform operation and stability DEXNET is subject to the continuation of necessary licenses in the jurisdictions in which it operates and compliance with the terms of such licenses. Although we intend to apply for the necessary licenses, there is a risk that the licenses required to operate DEXNET, may not be issued in a timely manner or at all, or may be issued under onerous conditions. In addition, even if a license is issued, there is no guarantee that it will not subsequently be revoked or that it will be successfully renewed. Failure to obtain, maintain or renew required licenses could have a material adverse effect on the company's business, prospects and results of operations DEXNET.

**Risks associated with cryptocurrency volatility:** In general, the rate at which any cryptocurrency can be exchanged for other currencies is extremely volatile.

**Risk of uninsured losses:** Unlike bank accounts or accounts at some other financial institutions, tokens DEXNET are not insured unless you specifically purchase private insurance to cover them. Therefore, if they are lost or the value of the tokens is lost, we do not have a government sponsored insurance company or private insurance company to offer you compensation.

**Risks associated with uncertain regulations and enforcement actions:** The regulatory status of BEP-20 tokens and distributed ledger technology is unclear or unresolved in many jurisdictions. It is difficult to predict how or whether regulators will be able to apply existing regulations to such technology and its applications. Likewise, it is difficult to predict how or whether legislators or regulators will be able to make changes to laws and regulations affecting distributed ledger technology and its applications. Regulatory actions may negatively impact the platform DEXNET in various ways, including, for example, by determining that the purchase, sale, delivery or use of tokens DEXNET constitutes an illegal activity or that registration or licensing is required for some or all parties involved in the purchase, sale, delivery or use of tokens DEXNET. DEXNET may cease to operate in a jurisdiction if regulatory actions or changes in laws make operating in such jurisdiction illegal or commercially impractical.

**Risks related to taxation:** Tax characteristics of tokens DEXNET unclear. You should seek your own tax advice in connection with your purchase of Tokens DEXNET and use of the Products DEXNET.

**Risk of platform competition.** It is possible that alternative platforms will be created using the same/similar source code as the platform DEXNET. Platform DEXNET may compete with these alternative platforms, which may negatively impact platform adoption DEXNET.

**Risk of insufficient interest in platform products DEXNET:** it is possible that the platform DEXNET will not be used by a large number of individuals, companies and other organizations or public interest will be limited. This lack of use or interest may negatively impact the development of the platform DEXNET.

**Risks associated with refusal to repurchase tokens DEXNET:** Token owners DEXNET will not have the right to force the platform DEXNET to redeem tokens. Although token holders DEXNET may resell tokens to other parties (subject to any applicable transfer restrictions), in the event that a secondary market for these tokens does not develop for a long time or does not develop at all, token buyers DEXNET must be prepared to bear risks over a long period of time or risks of not meeting buyer expectations.

PLEASE REMEMBER THAT THESE RISKS ARE IMPORTANT FACTORS TO BE CONSIDERED BEFORE PURCHASING TOKENS OR DEVICESDEXNET, AND SHOULD BE ACCEPTED ONLY BY THOSE WHO ARE WILLING TO CONSIDER SUCH RISKS.

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