# UniDAG

Technology of Freedom

UniDAG is a project developed and supported by individuals, different communities, commercial companies and government agencies. It's based on a symbiosis of the principles of freedom, openness, officiality and new technological developments. The main goal of the project is progress, qualitatively improving people's lives in many directions.
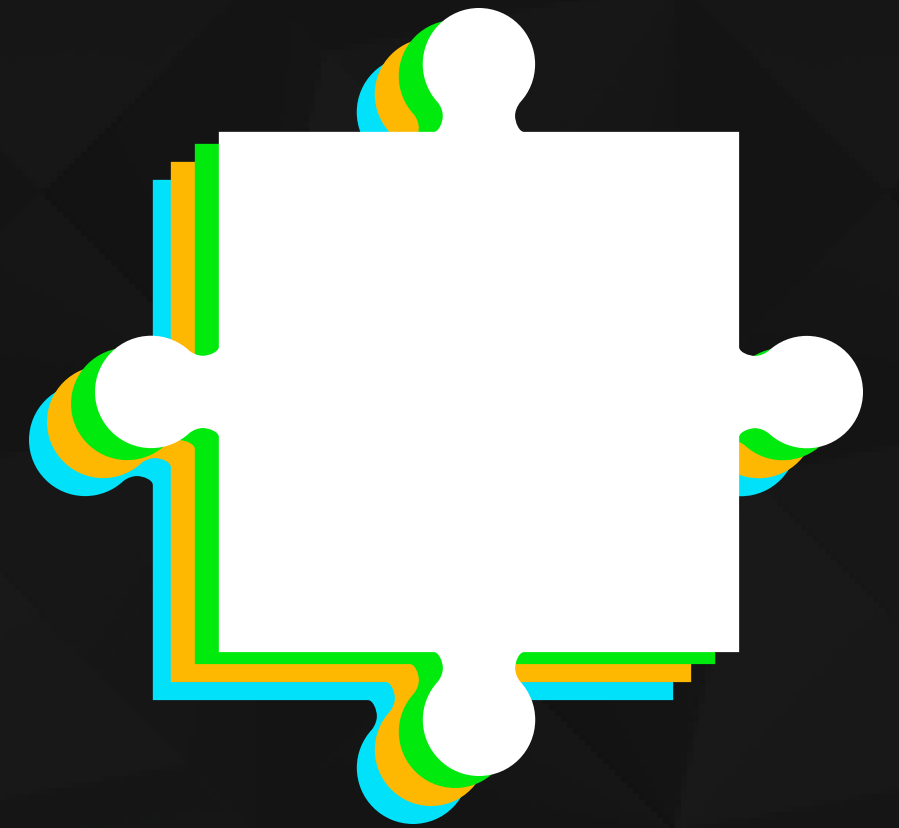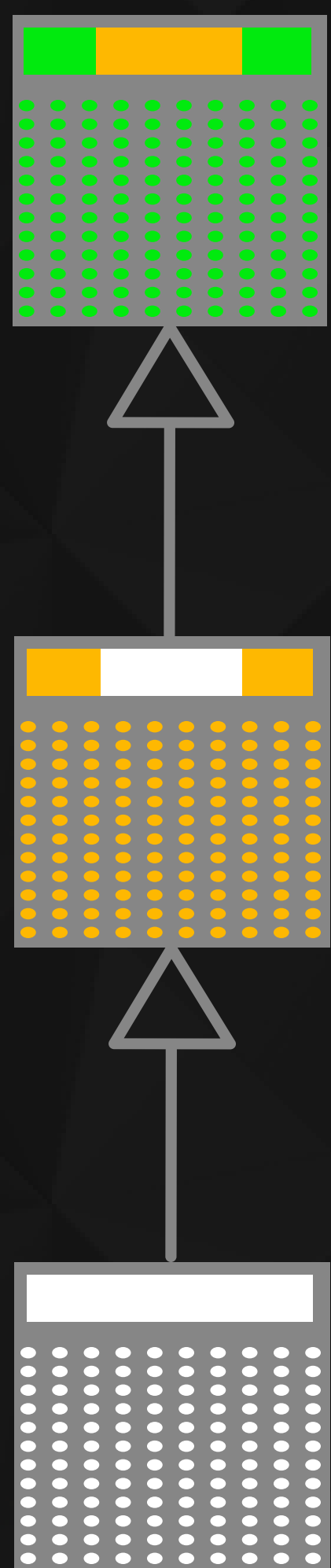
DAGchain

DAGchain is a continuous sequential chain of blocks with data, built according to the rules of a directed acyclic graph.
 The main function of Dagchain is to preserve and protect the data unchanged.
 Dagchain is built using a set of frameworks and libraries that can be used both separately and in various combinations with each other.
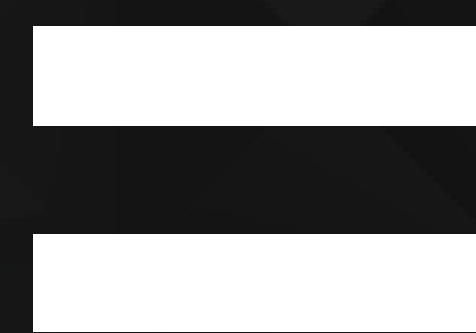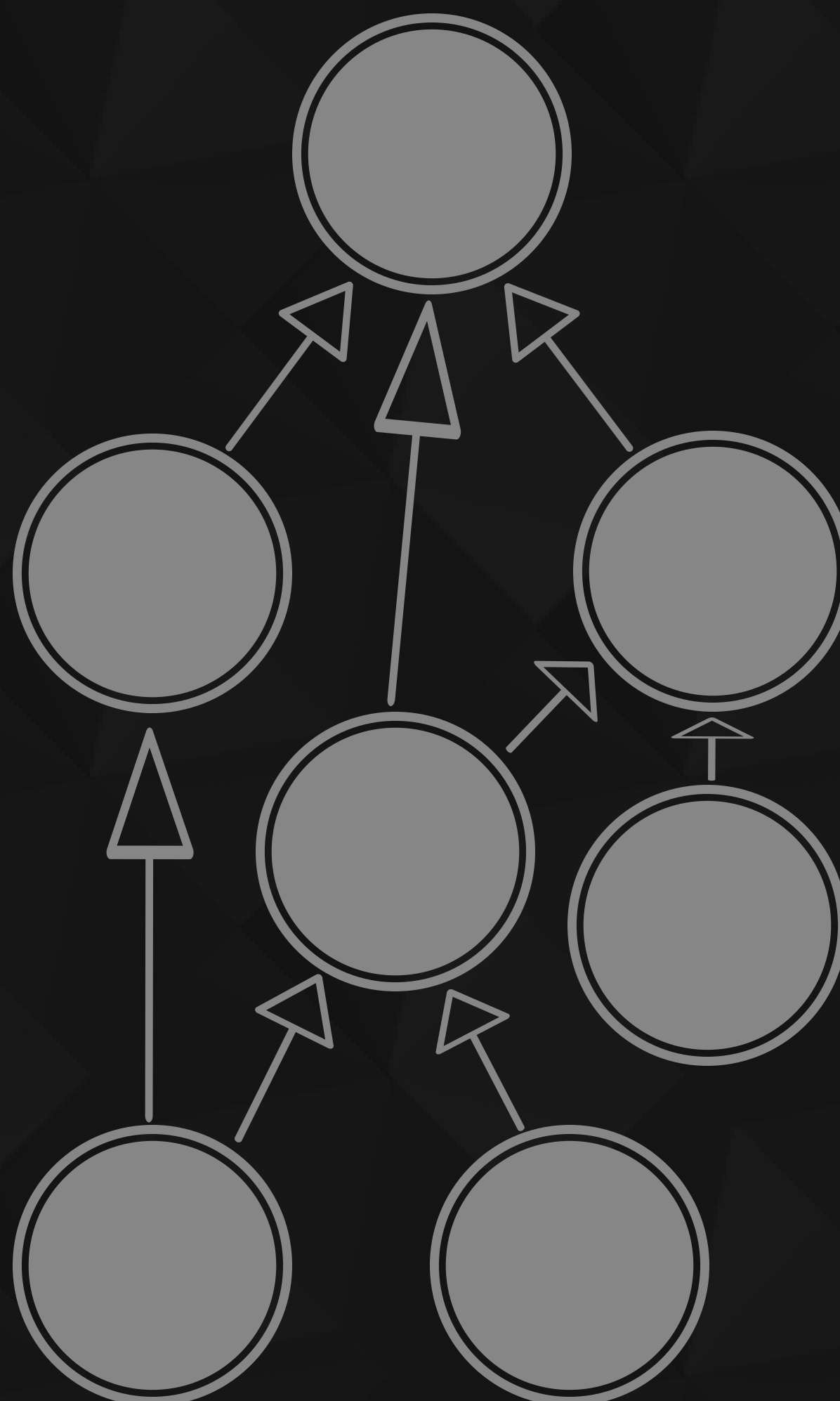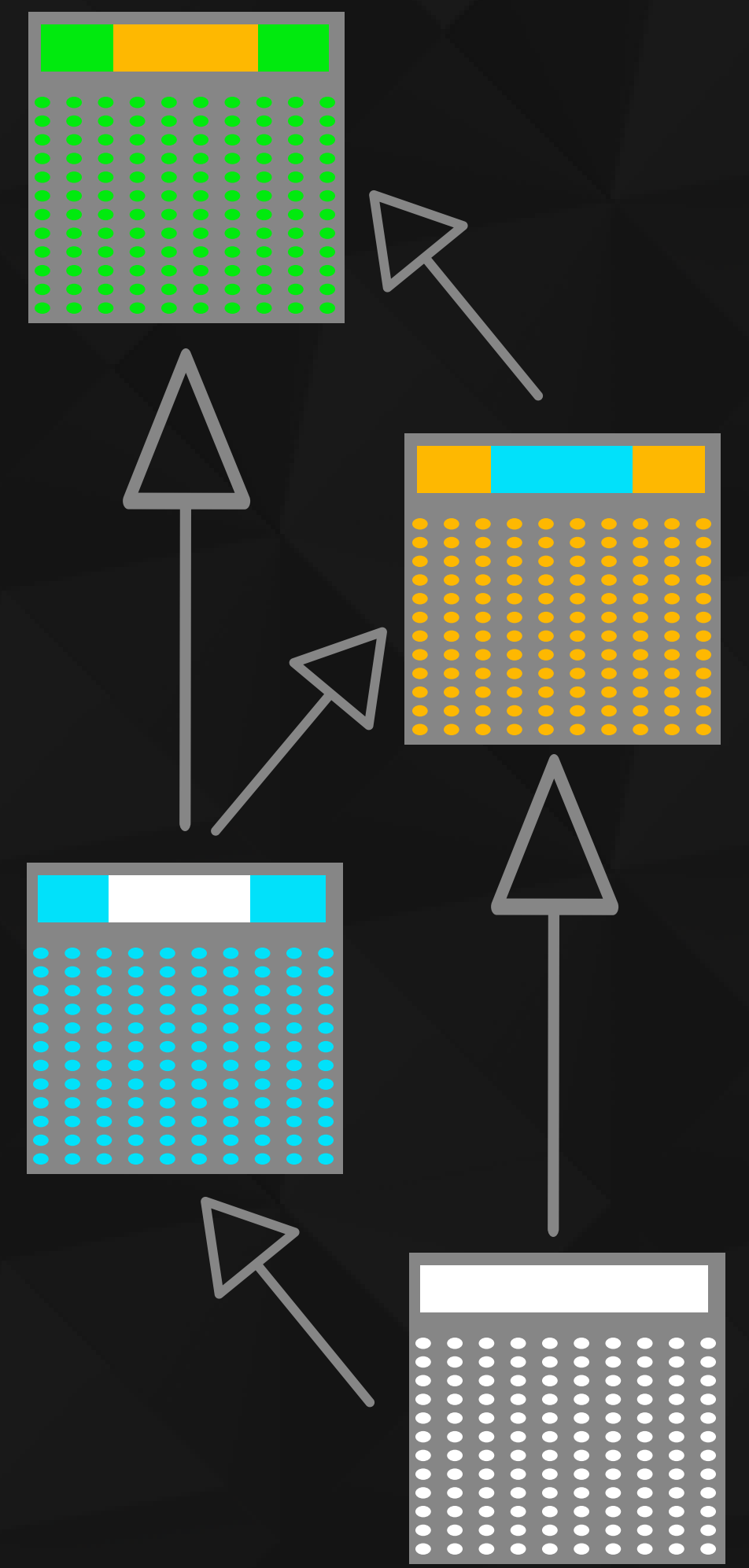
Blockchain

DAG
Directed acyclic graph

Dagchain

+ =

Blockchain	DAG	Dagchain
✓ Unchangeability	✗ Unchangeability	✓ Unchangeability
✗ Speed	✓ Speed	✓ Speed
✗ Unlimited use	✓ Unlimited use	✓ Unlimited use

Features of the UniDAG dagchain

1 Ribs (Connections)
When building a dagchain, only the same number of connections are used.

2 Versatility
Independence from the hashing algorithm significantly expands the scope of application.

3 Closed blocks
The use of a unique technology of open and closed blocks increases the level of security.

Backup framework

The backup framework is a set of software and libraries for creating a structured, hard-to-change linear database, based on the dagchain and cryptographic hashing algorithms.
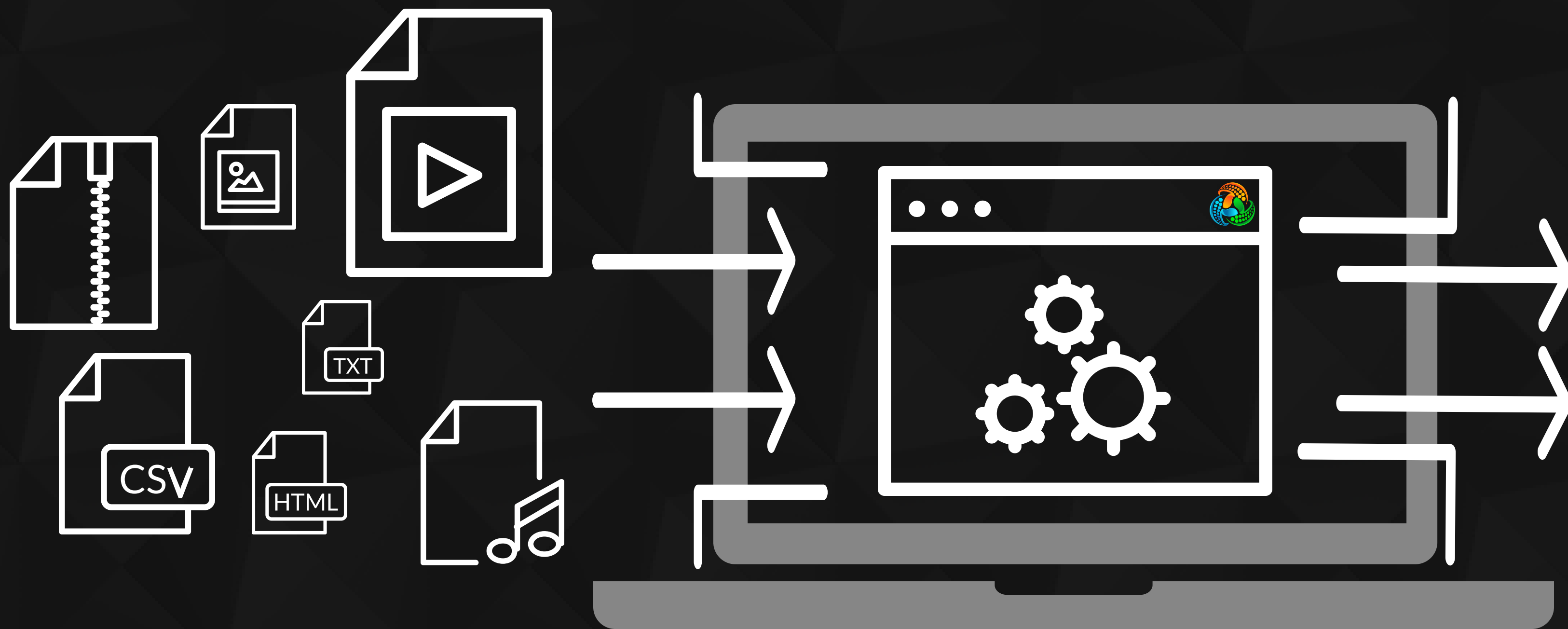
- ✅ Working with a stream
- ✅ Any type of input data
- ✅ Multiplatform
- ✅ Cryptoprotection
- ✅ The invariance of data in the blocks of the dagchain
- ✅ Flexible configurability

Decentralization framework

The decentralization framework is a set of software and libraries for creating a replicated distributed database, based on the dagchain, a clear network architecture and UniDAG consensus algorithm.
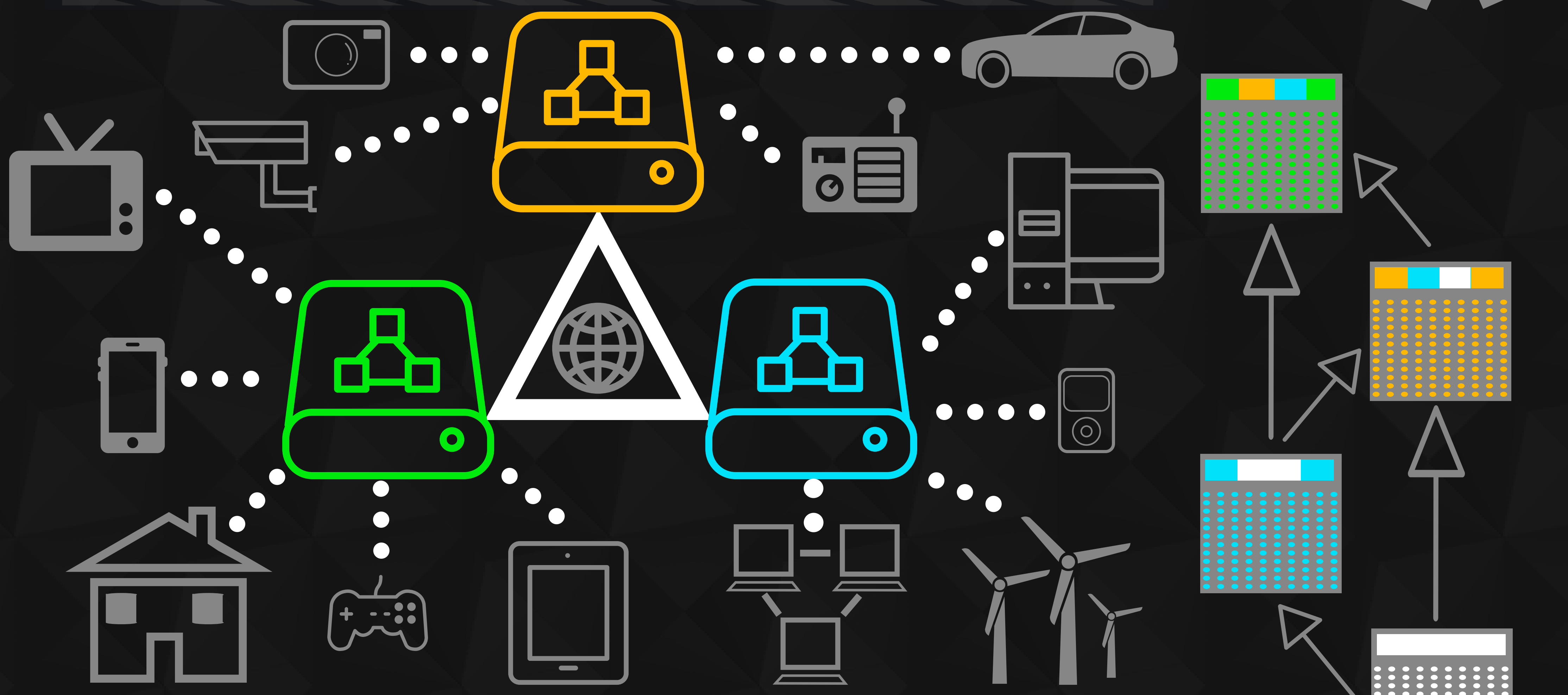
- ✅ Versatility
- ✅ Executables (programs)
- ✅ Unlimited Scalability
- ✅ Energy Efficiency
- ✅ Resistant to a variety of attacks
- ✅ Flexible configurability

Authorization framework

The authorization framework is a set of software and libraries for identification, authentication and multi-stage authorization of the client using dagchain, cryptographic encryption algorithms and other methods. It is an analogue of OpenID, but for decentralized networks.
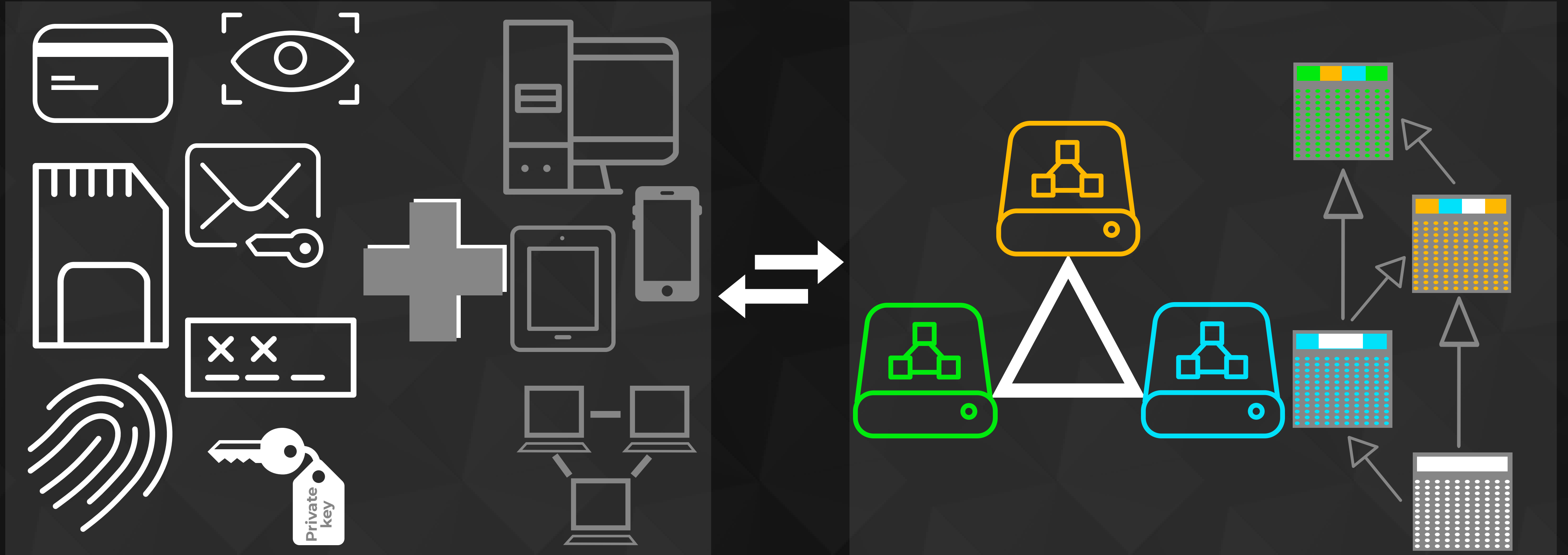
✓ Unchanged data   ✓ Multiplatform   ✓ Resistant to attacks

Technological solutions

When building the dagchain and its frameworks, there were several unique technological solutions that should be considered as features of the project and requiring additional definitions.

01 Open / Closed Block

An open block is a block that is added to the dagchain, but the title of which is open for record.

In the header of the closed block, accordingly, there is no possibility to record additional data.
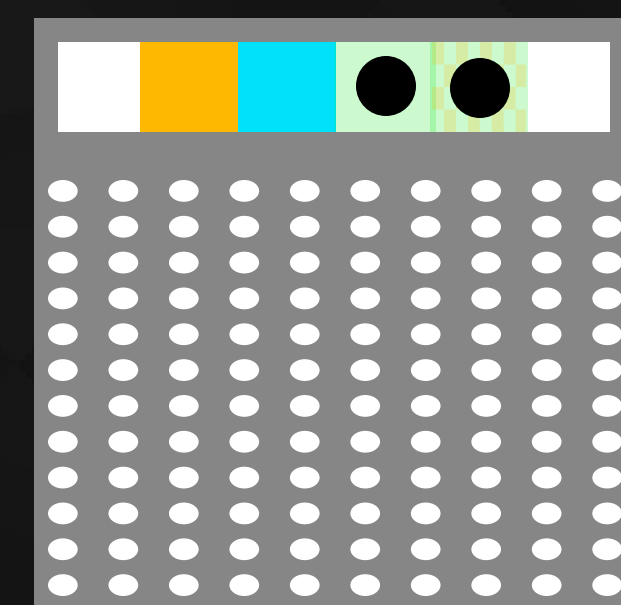
Open → Closed
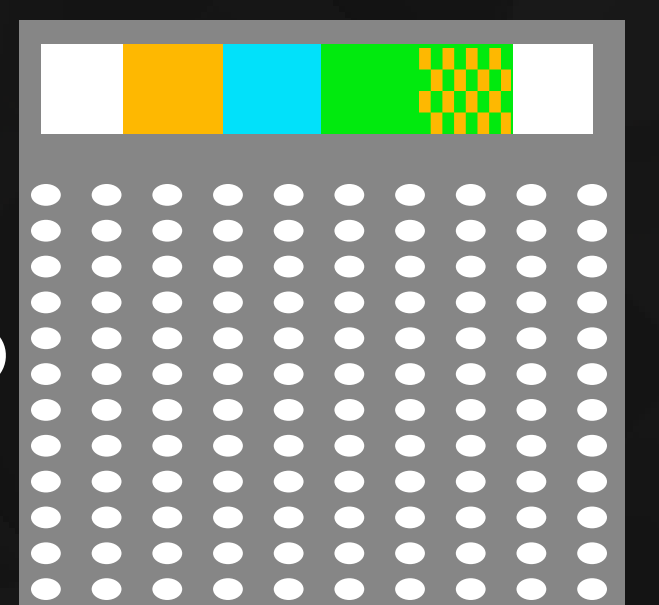
02 Active / Passive dagchain

Active dagchain is dagchain, the stored data of the blocks of which are used as executable programs, and the passive dagchain isn't. In addition, each block in the active dagchain has 3 execution states: waiting for execution, during execution and execution is complete.

Active   Passive

.bin
.exe
.vb
.app
.jar

.doc
.txt
.png
.mp3
.mp4

03 — Dagchain pair

Dagchain pair is a fundamental definition of the relationship between two different types of dagchin type "Client-Server".

Client   **Server**

04 — Clustering

Clustering is the duplication of dagcain in independent networks in accordance with certain rules. This makes it possible to significantly increase the possibilities of using the dagchain.

#1   **#2**
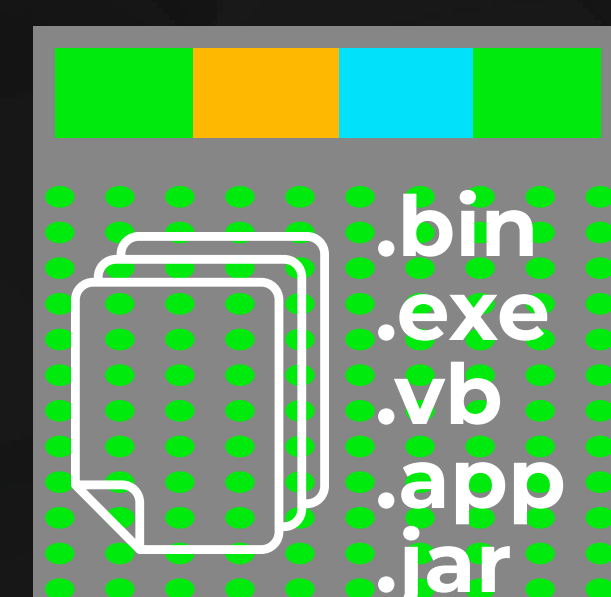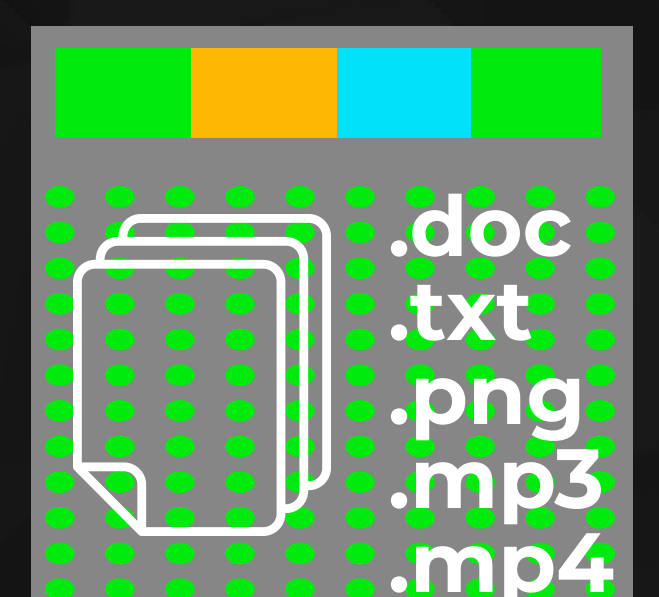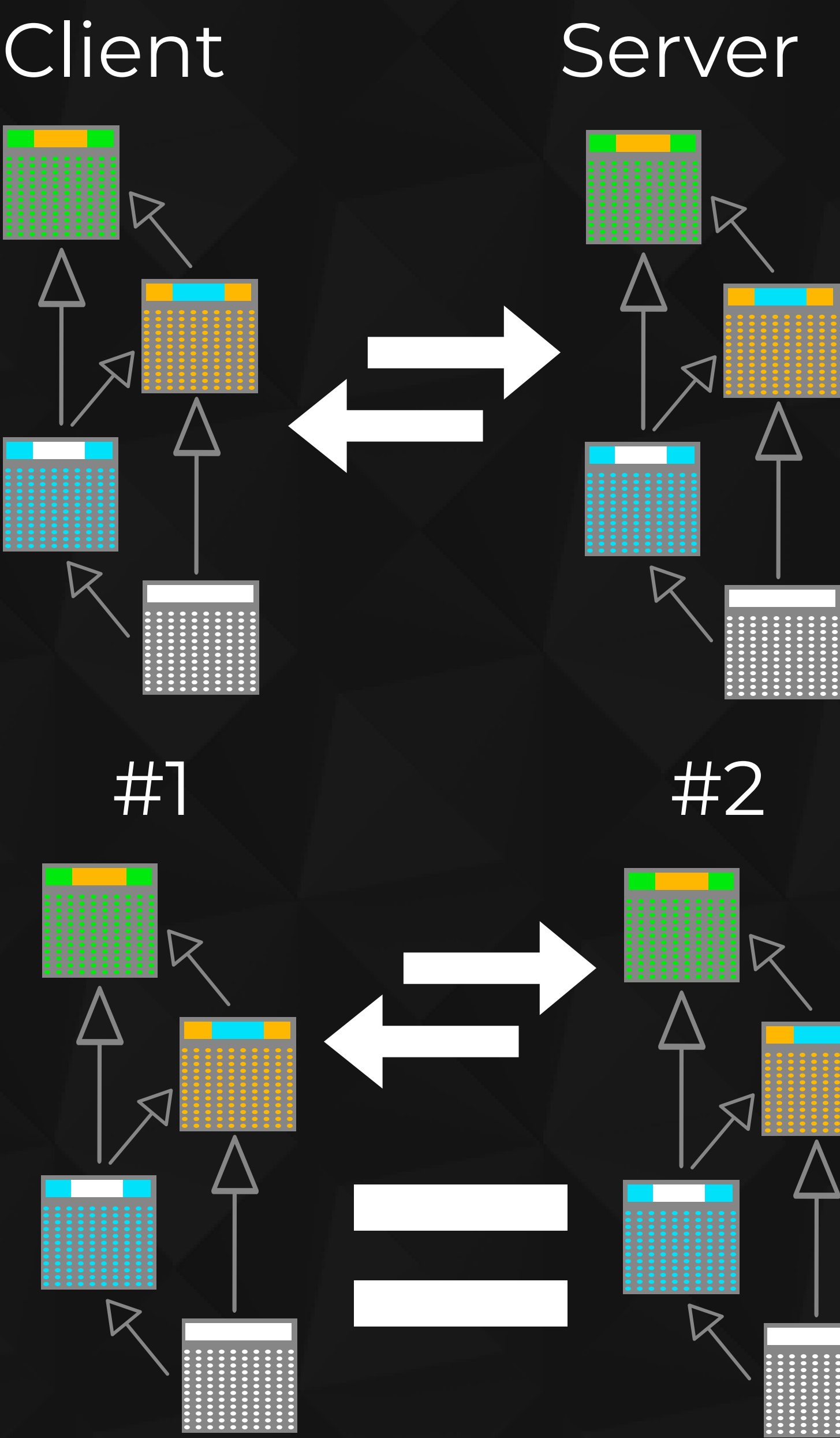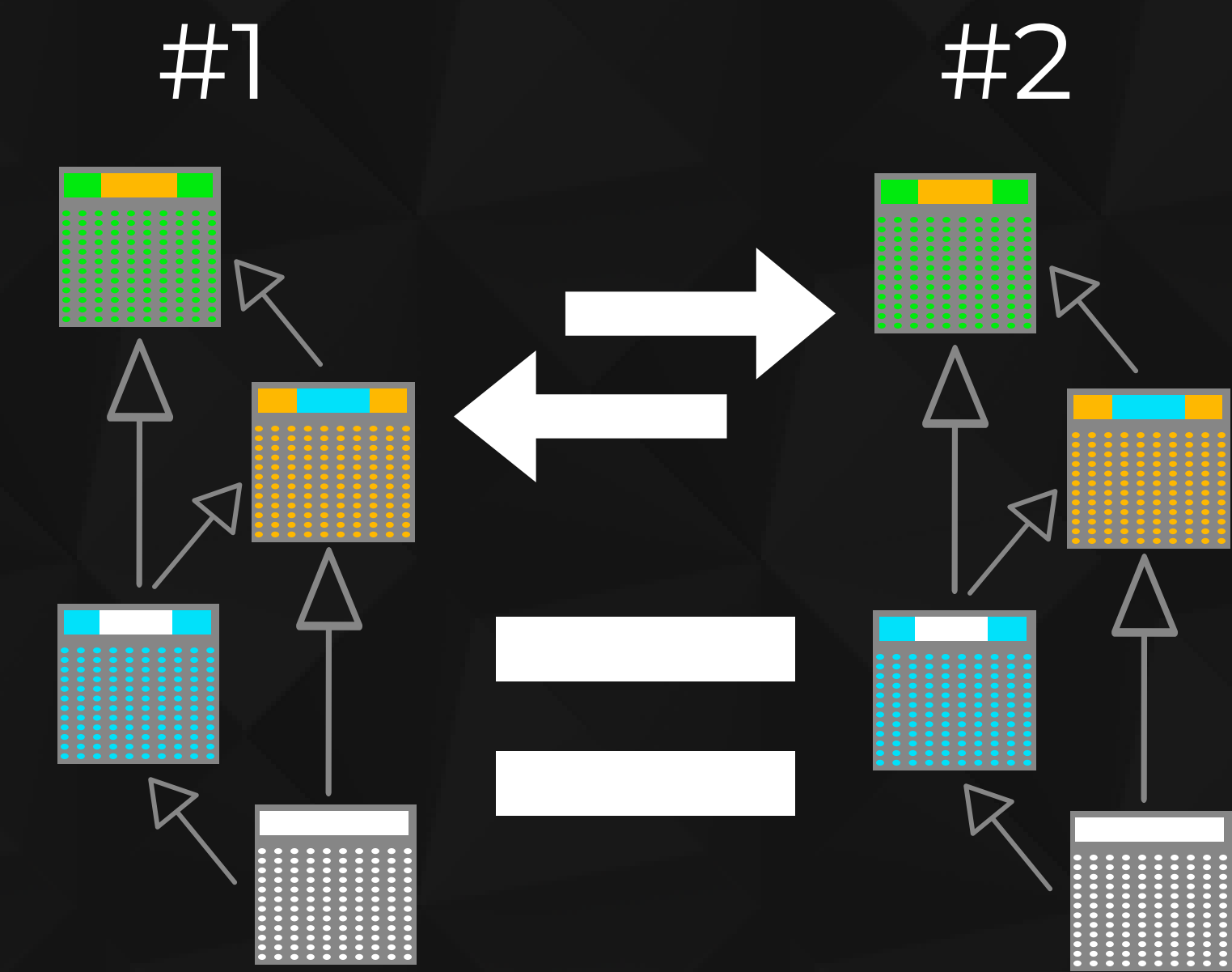

UniDAG

Project structure

The UniDAG World is an informal unification of all interested people, companies and organizations who support and develop the UniDAG project.

UniDAG Consortium is a unification of independent business enterprises all over the world, whose work is aimed at the development and support of the UniDAG project.

UniDAG OÜ is a company founded and headed by the founder of the UniDAG project. The company is registered in the EU and has all the necessary permits

■ UniDAG OÜ   ■ UniDAG Consortium   ■ UniDAG World

Structure of the UniDAG consortium

20   1   50   30
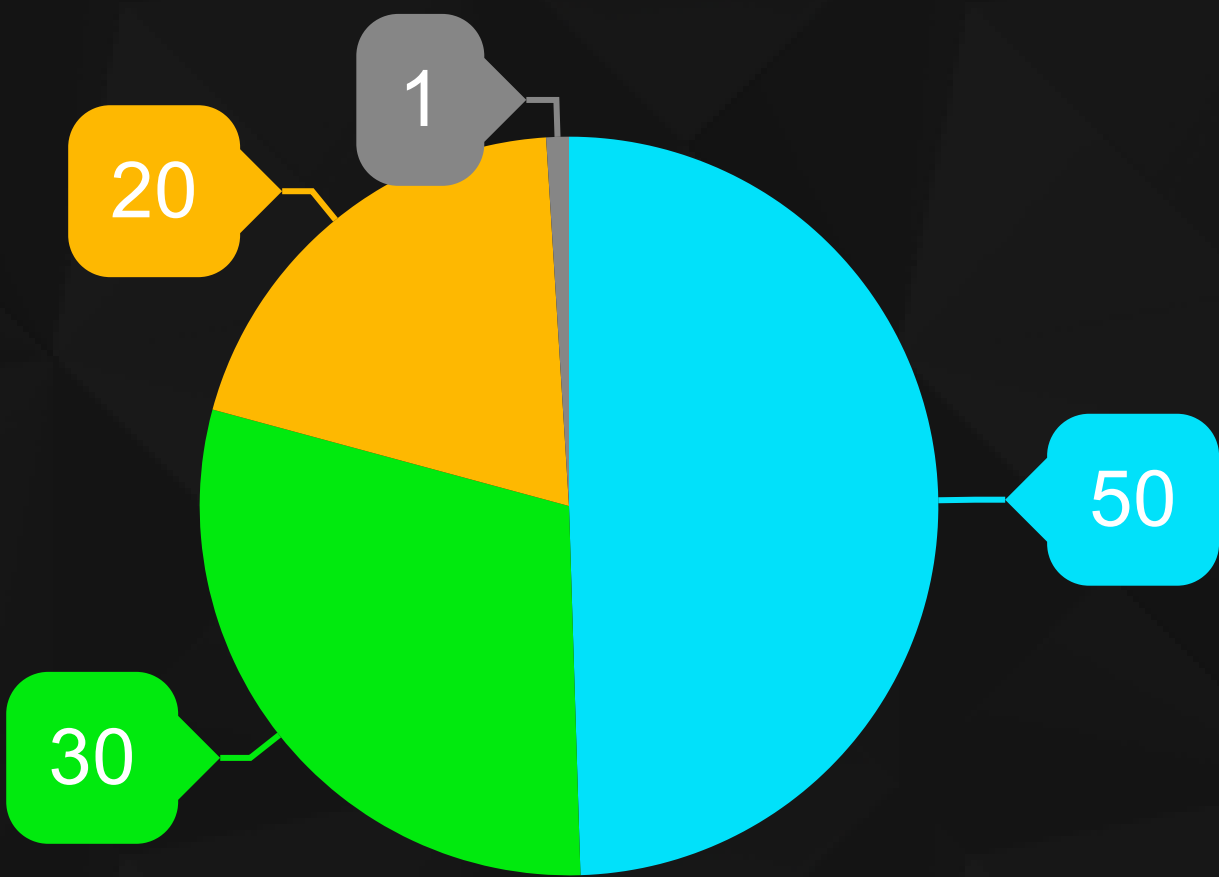
The consortium is formed during the time set by the roadmap, acceptance conditions and other factors.

UniDAG Consortium

Total number of commercial enterprises	101

Areas of work:

Software Development	50
Financial and industrial group	30
Social Media Group	20
Company founder	1

Дорожная карта

Направления работы

- ● Административное
- ● Социально-медийное
- ● Разработка ПО
- ● Финансово-промышленное

Период времени
101 x 24 часа — " пятерка "
303 x 24 часа — " тройка "

#1 20/02 2018

► Создание компании UniDAG OÜ
► Получение 2-х лицензий для операций с криптовалютами
► Формирование первоначальной команды UniDAG
► Согласование всех юридических деталей проведения ICO
► Создание "виртуального офиса"

► Основы построения дагчейна
► Фреймворк бекапа
► Фреймворк децентрализации
► Фреймворк авторизации
► Технологические решения для работы фреймворков
► Соответствующие Технические Задания
► Начало разработки программы " UniDAG logs " на основе фреймворка бекапа

► Создание бизнес-модели проекта UniDAG
► Создание фундамента для проведения ICO
► Подготовка сопроводительной документации

► Сайт проекта UniDAG.com
► Создание каналов коммуникации для участников
► Представительства в социальных сетях
► Публикации документов в популярных online-журналах
► Маркетинговая кампания

#2 01/07 2018

► Формирование консорциума UniDAG из 11 коммерческих предприятий(5+3+2+1)
► Начало создания партнерской сети
► Организация работы участников проекта UniDAG

► Релиз программы " UniDAG logs "
► Начало создания цифровой экосистемы UniDAG
► Децентрализованных приложений:
— авторизация
— криптовалютный внутренний токен
— голосование
— лотерея
— простые смарт-контракты (без тьюринг полноты)
► Начало разработки децентрализованного приложения криптовалютной биржи
► Децентрализованного приложения прямого обмена ethereum токенов UniDAG на внутренний токен

► Первичное распределение токенов UniDAG сети ethereum:
— Смарт-контракт
— Маркетинг / Партнерская кампания
— Bounty кампания
— Airdrop
► Фиатное субсидирование кандидатов консорциума UniDAG
► Партнерская кампания с фиатными выплатами
► Фиатные выплаты участникам проекта UniDAG

Roadmap

Areas of work

- ⚪ Administration
- 🔵 Social Media
- 🟠 Software development
- 🟢 Financial and industrial

Period of time

101 x 24 hours — " five "
303 x 24 hours — " three "

#1 **20/02 2018**

►Establishment of UniDAG OÜ
►Obtaining 2 licenses for operations with cryptocurrencies
►Formation of the original UniDAG team
►Harmonization of all legal details of the ICO
►Creating a "virtual office"

►Basics of construction of dagchain
►Backup Framework
►Decentralization Framework
►Authorization Framework
►Technological solutions for the work of frameworks
►Relevant Technical Assignments
►Beginning of the development of the program "UniDAG logs" based on the backup framework

►Creating a business model for the UniDAG project
►Creating a foundation for ICO
►Preparation of accompanying documentation

►Sites UniDAG.com , UniDAG.World и UniDAG.NET
►Wiki-dagchain
►Creating communication channels for participants
►Representations in social networks
►Publications of documents in popular online portals
►Marketing campaign

#2 **01/06 2018**

►Formation of a UniDAG consortium from 11 commercial enterprises (5+3+2+1)
►Beginning of partner network creation
►Organization of work of the participants of the UniDAG World

►Release of the program "UniDAG logs"
►The beginning of the creation of the digital ecosystem of UniDAG
►Decentralized applications:
— authorization
— cryptocurrency internal token
— Voting
— Lottery
— simple smart contracts (without completeness of turing)
►Beginning of the development of a decentralized application of the crypto-exchange
►Decentralized application of direct exchange of ethereum tokens UniDAG to internal token

►The primary distribution of the UniDAG tokens of the ethereum network:
— Smart contract
— Marketing / Affiliate campaign
— Bounty campaign
— Airdrop
►Fiat subsidies for Consortium candidates UniDAG
►Affiliate campaign with fiat payouts
►Fiat payments to the participants of the world UniDAG

► Filling in "Wiki-UniDAG"
► Support of everyone interested in the development of the project by the participants of the UniDAG World
► Support in all matters regarding the distribution of UniDAG tokens
► Creation of technical documentary base

#3

31/03 2019

► Launch of a decentralized UniDAG network administered by the UniDAG consortium
► The acceptance into the consortium of UniDAG (11 participants) 30 candidates - commercial enterprises (15 + 9 + 6)
► Organization of work of the participants of the UniDAG project
► Conducting meetups, conferences and hackathons
► Development of affiliate program
► Implementation of the program of direct exchange of the ethereum token UniDAG to the internal token of the decentralized network UniDAG

► Development of decentralized applications for the UniDAG network
► Development of P2P applications for mobile devices
► Release of the decentralized application of the crypto-exchange
► Development of frameworks and libraries in the form of SDK UniDAG
► Development of decentralized applications for local networks

► Identification and verification of **AML / KYC** for all users of the decentralized UNIDAG network during registration
► Direct exchange of the ethereum UniDAG token to the internal token of the decentralized UNIDAG network in a ratio of 1: 1
► Fiat subsidization of the candidates of the UniDAG consortium
► Affiliate campaign with payments of internal tokens
► Fiat payments to the participants of the UniDAG project
► Bonus / Promotional payments of internal tokens to registered users of the decentralized UniDAG network
► Fiat payments / payment of internal tokens to the participants of events, conducted by the consortium UniDAG, according to the rules of events

► Support for the UniDAG project participants
► Support of everyone interested in the development of the project by the participants of the UniDAG World
► Support in all matters regarding the UniDAG Consortium and the decentralized network
► Creation of technical documentary base

#4

28/01 2020

► Admission to the UniDAG consortium (41 participants) 30 candidates - commercial enterprises (15 + 9 + 6)
► Organization of work of the participants of the UniDAG project
► Conducting meetups, conferences and hackathons
► Development of affiliate program
► Contination of the program of direct exchange of the ethereum token UniDAG to the internal token of the decentralized network UniDAG

► Development of decentralized applications for the UniDAG network
► Development of P2P applications for mobile devices
► Joint projects of applications of the UniDAG consortium and partners
► Development of frameworks and libraries in the form of UniDAG SDK
► Development of decentralized applications for local networks

► Identification and verification of **AML / KYC** of all users of the decentralized UniDAG network during registration
► Direct exchange of the ethereum UniDAG token to the internal token of the decentralized UNIDAG network in a ratio of 1: 1
► Fiat subsidization of the candidates of the UniDAG consortium
► Affiliate campaign with payments of internal tokens
► Fiat payments to the participants of the UniDAG project
► Bonus / Promotional payments of internal tokens to registered users of the decentralized UniDAG network
► Fiat payments / payment of internal tokens to the participants of events, conducted by the consortium UniDAG, according to the rules of events

► Support for the UniDAG project participants
► Support of everyone interested in the development of the project by the participants of the UniDAG World
► Support in all matters regarding the UniDAG Consortium and the decentralized network
► Creation of technical and media documentary base

#5 **26/11 2020**

► The last stage of acceptance into the UniDAG consortium (71 participants) is 30 candidates - commercial enterprises
 (15 + 9 + 6)
► Organization of work of the participants of the UniDAG project
► Conducting meetups, conferences and hackathons
► Development of affiliate program
► Last part of the program of direct exchange of the ethereum token UniDAG to the internal token of the decentralized UniDAG network

► Identification and verification of **AML / KYC** of all users of the decentralized UniDAG network during registration
► Last part direct exchange of the ethereum UniDAG token to the internal token of the decentralized UNIDAG network in a ratio of 1: 1
► Fiat subsidization of the candidates of the UniDAG consortium
► Affiliate campaign with payments of internal tokens
► Fiat payments to the participants of the UniDAG project
► Bonus / Promotional payments of internal tokens to registered users of the decentralized UniDAG network
► Fiat payments / payment of internal tokens to the participants of events, conducted by the consortium UniDAG, according to the rules of events

► Development of decentralized applications for the UniDAG network
► Development of P2P applications for mobile devices
► Joint projects of applications of the UniDAG consortium and partners
► Development of frameworks and libraries in the form of UniDAG SDK
► Development of decentralized applications for local networks

► Support for the UniDAG project participants
► Support of everyone interested in the development of the project by the participants of the UniDAG World
► Support in all matters regarding the UniDAG Consortium and the decentralized network
► Creation of technical and media documentary base

#6 **25/09 2021 → ∞**

► **Development of the UniDAG project**

The internal token of the decentralized network UniDAG

	60 600 000		90 900 000		121 200 000		151 500 000	
#2		#3		#4		#5		#6→∞
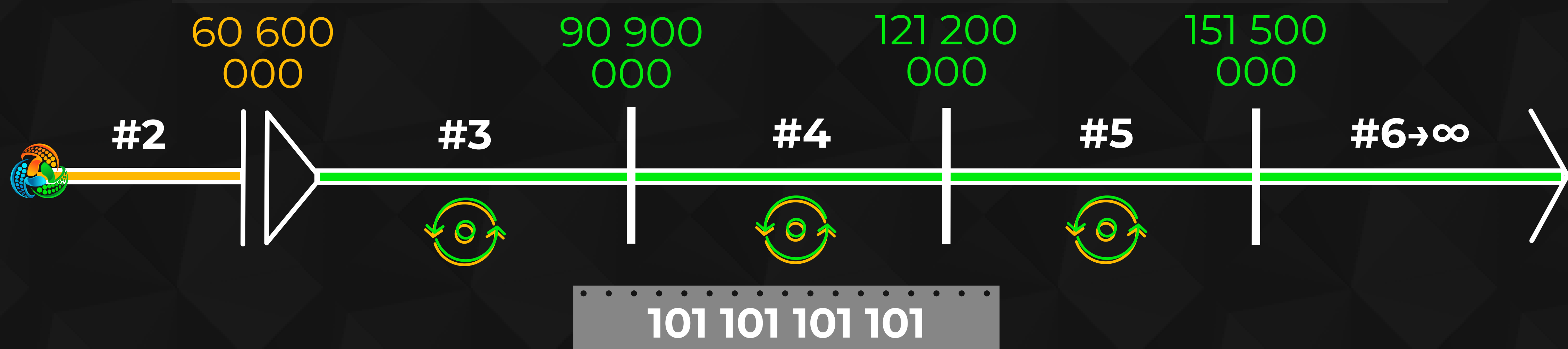
101 101 101 101

Total number of tokens	101 101 101 101
Emission of ethereum UniDAG tokens	200 000 / 24 hours
Emission of internal tokens of the decentralized UniDAG network	100 000 / 24 hours

Distribution of ethereum UniDAG tokens

00:00:00 UTC+0

Start distribution of the ethereum UniDAG tokens

Total number ethereum UniDAG tokens	60 600 000
Emission of ethereum UniDAG tokens, of them:	200 000 / period
— public contract	100 000
— UnidAG development fund	100 000
Total number of period	303
Duration of 1 period	24 hours

01/06/2018

200 000

02/06/2018

200 000

03/06/2018

200 000

28/03/2019

200 000

29/03/2019

200 000

30/03/2019

200 000

Public contract

$$Z = 100\ 000 \times X \div Y$$

Z — number of ethereum UniDAG tokens received by the user at the end of the period.
X — the number of ETH nested by the user for the period.
Y — total amount of ETH of all users for the period.

Example
Jeff, Warren and Bill invested 625 ETH, 250 ETH and 125 ETH, respectively.

At the end of the period, each of them received:
Jeff   —   62 500 UniDAG
Warren   —   25 000 UniDAG
Bill   —   12 500 UniDAG

UniDAG development fund

Distribution scheme

Ethereum UniDAG tokens are distributed between 4 public addresses known each period:
Bounty campaign - 30 000 UniDAG
Marketing - 25 000 UniDAG
Affiliate Program - 25 000 UniDAG
Airdrop - 20 000 UniDAG

The founder of UniDAG OÜ owns the private keys of the above addresses and has the right to dispose of the ethereum UniDAG tokens in accordance with the business model of the project, the rules of the bounty campaign and / or other project needs established by the founder of the UniDAG project

Distribution of UniDAG development fund tokens

9 090 000
7 575 000
6 060 000
7 575 000

■ Airdrop (20%)   ■ Marketing (25%)   ■ Bounty campaign (30%)
■ Affiliate program (25%)
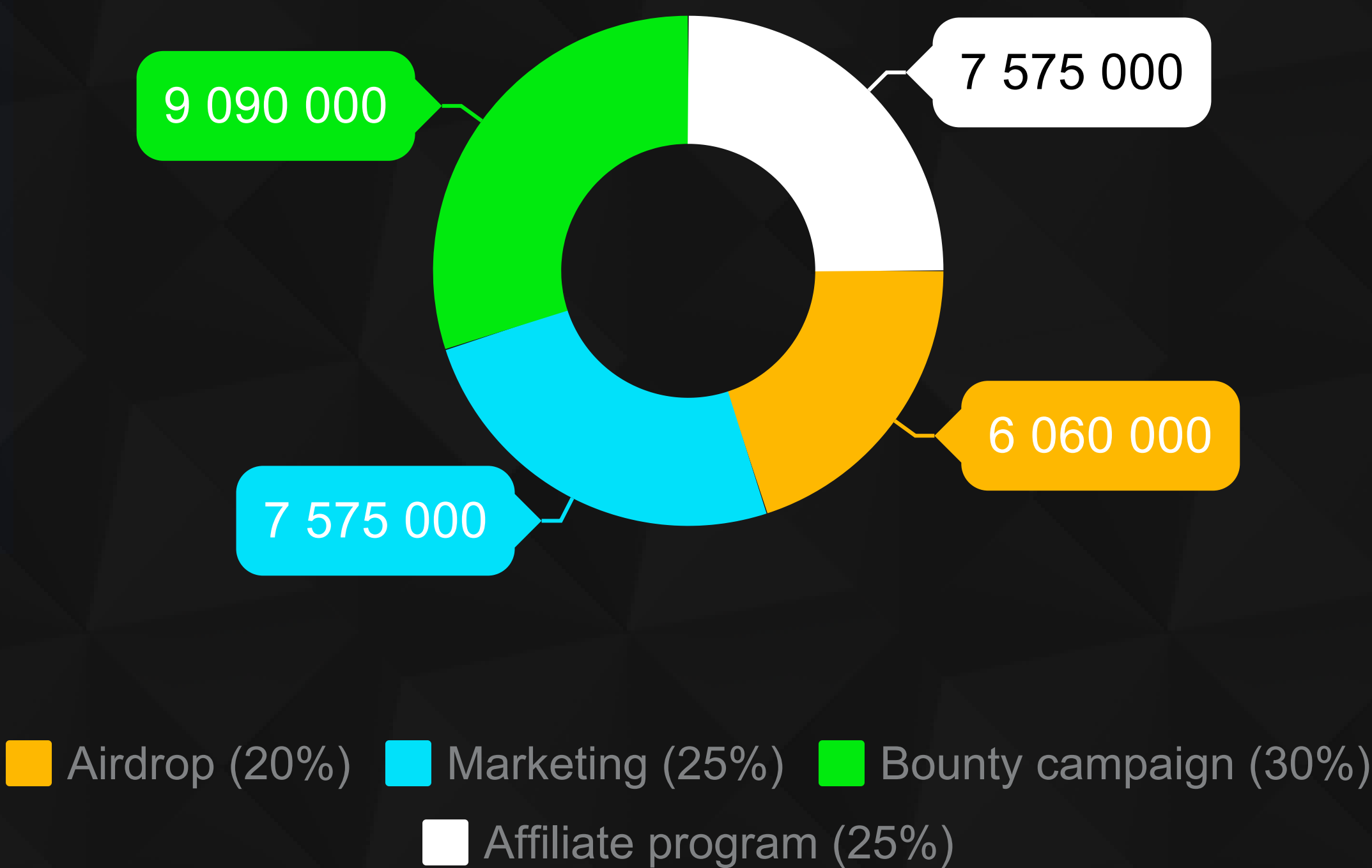
Airdrop Rules
by UniDAG

Conditions

► "Snapshot" of the network is carried out 3 times at the end § 101, § 202 § 303 periods at 23:59:59 respectively
► In the Airdrop (reward for interest), **only registered** users on the UniDAG.World website can participate in the corresponding section
► At the time of the "snapshot" on the account registered by the user address must be no less than or equal to 10 ethereum UniDAG tokens and not more than or equal to 1000 ethereum UniDAG tokens
► The total amount of tokens paid per 1 Airdrop —
  2 020 000
► Tokens are distributed according to formula
$Z = 2\ 020\ 000 \times X \div Y$, where

Z — number of ethereum UniDAG tokens received by the user
X — number of ethereum UniDAG tokens that are on the user's account at the time of the "snapshot".
Y — total amount of ethereum UniDAG tokens of all users who meet the conditions of Airdrop

§ 101   § 202   § 303

09/09 2018   19/12 2018   30/03 2019
23:59:59   23:59:59   23:59:59

Airdrop
UniDAG.World

10 ≥   ≥ 1000