B-UMBRELLA

B-Umbrella Security Sharing Dapp

OFFICIAL WHITEPAPER

APPROVED BY

BITNATION
GOVERNANCE 2.0

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Table of Contents

Introduction 3
1. Mission & Structure 5
    1.1 General Description 5
    1.2 Structure 7
    1.3 Ecosystem 9
2. Specific Advantages & Capabilities 12
3. The Executors 14
    3.1 Registration 14
    3.2 Executor-related Features 15
    3.3 Potential Executors 16
4. Exemplary Customer Cases 17
5. Token Distribution 19
6. Road Map 21
7. Team and Advisors 22

Introduction

The global security market is destined to growth in response to the continuously increasing instability and uncertainty of the contemporary world. Just watching the daily news is enough to realize that the terrorist acts and cyberattacks emerging any given day, unprecedented hybrid warfare (Syria, Ukraine), religious violence and nationalist hatred caused by enormous migration, a rash of street crime based on further polarization between the rich and poor, and the rising suicide rate related to overstressing due to financial and social problems constitute only a few of numerous preconditions and reasons of why people need a new type of the affordable and easily accessible security service.

The traditional security service providers are unable to guarantee the sufficient level of security to the vast majority of global population. Both the States' security forces and the private security companies constitute quite a narrow market segment incapable of covering everyone who seeks protection, and this is so for several reasons.

The State's power structures (the police, armed forces, security intelligence) are aimed at protecting the State, not the people. Such forces are tightly coupled with the State authorities that can easily sacrifice any person in keeping the regime safe. The oppressive nature of all State's power structures makes them the means of people's coercion rather than protection. Whatever system of government (be it democracy, semi-democracy, anti-democracy etc) is guarded by the State's power structures their fascistic-in-itself behavior when the personal freedom is suffocated in favor of the Nation State legislation is clearly apparent. The very Nation State machinery is designed in such a manner that a victim is always a person regardless of the position s/he occupies in a particular society: soldiers, police officers, criminals, and protesters all are dying due to the fundamental conflict between the State's interests and individual liberties.

The private security safeguarding companies seem to be the protectors of the people, not the regimes. However, far from all social strata can rely on the expensive services of the private security providers. In order to afford a service of an officially licensed private security company, a customer should posses quite a high level of wealth along with a particular, not the low social status. The public officials, rich business persons, celebrities, and other VIPs are the regular clients of the private security companies as if they are the social segments most vulnerable to the threats of the contemporary world. At the same time, the migrants, refugees, unemployed

Introduction

persons, various minorities, retirees, ex-prisoners, and many other people whose social/wealth status is lower than average are left almost beyond the security industry.

Thus, a significant imbalance in proportion between those who need the security service and those who can afford it is obvious.

The general structure of the security industry has not been changed for decades. The number of the security providers increasing in line with the global demographic growth can hardly be recognized as the qualitative shift in the development of the security industry. The recent technological development associated with the leap in computer and information technologies improves the efficiency of the security techniques and methods on the level of every particular security provider. However, it relates neither to the organizational aspects of the security industry nor to the affordability of the security services for the majority of population.

We consider the B-Umbrella project as a new type of the security service providers capable of getting over many obsolete organizational patterns inherent in the traditional security industry. Striving to make the security services much more affordable for the vast variety of social segments we share the self-governance paradigm with such a socially progressive organization as Bitnation.

We believe that the wealthier, safer, and more sustainable social order is achievable with a combination of the distributed ledger technology (blockchain) and the decentralized worldview appreciating libertarian values over the Nation State's interests.

1. Mission and Structure

1.1 General Description

The B-Umbrella project aims at creating a decentralized application which can provide users with a possibility to find and hire the security guards of various specializations far beyond the limits and scope of the traditional State-owned and private security providers. Besides, the employment-exchange-like feature of the B-Umbrella DApp will create many extra job opportunities to those individuals, groups, and companies whose security skills and capabilities can be in demand on the market.

Since the registration as an executor on the B-Umbrella platform does not require any mandatory licensing or official authorization, the vast variety of security specialists all over the world can get a chance to be employed via B-Umbrella. Military and police veterans, martial artists, white-hat hackers, wildlife guides and survivalists, psychics and mentalists, private investigators, lawyers, social activists, and many other non-trivial security specs will be able to find the job opportunities through B-Umbrella by publishing their informally created self-promotional resumes on the platform.

Thus, everyone who is confident in his/her ability to deliver security services to the clients will be able to register at the executors' section of the application to represent oneself as an executor. It is up to the clients to select the most appropriate candidate from the pool of the executors. The executors in their turn are responsible for the information indicated in their profiles. In each particular case, the clients can make their choice basing on the "skills – fee", "experience – reputation", or "availability – location" ratio of the executors as well as on any other relevant and important characteristics indicated in the executors' profiles.

A special section of the B-Umbrella platform will be dedicated to the opinions of both clients and executors. Every registered user will be able to match the executors with rating stars. In addition, in order to express the satisfaction or dissatisfaction with regard to the executed services, leaving both positive and negative feedback about all registered users will be possible.

Thus, B-Umbrella imposes the responsibility for gaining the reputational ratings on the platform's users. Under no circumstances the B-Umbrella admins will interfere the users' interactions losing the neutrality. We propagate and appreciate the self-governance principles inherent in the Governance 2.0 paradigm which structure and ideology are perfectly explained by our general partner Bitnation Company link (the creator of the Pangea software).

1. Mission and Structure

1.1 General Description

Besides, any significant action performed on the B-Umbrella platform will require a definite amount of tokens to spend (similarly to the “gas” of Ethereum). Even if such expenditures are calculated in micro amounts, the very fact of spending of tokens will most likely deter unfounded allegations and biased opinions. In addition, expressing a negative opinion will cost significantly more tokens than the praising, that therefore will make users think twice before leaving any negative feedback. As a supplement to the B-Umbrella’s “native” means of reputational approval, there will be a peer-to-peer arbitration system embedded in the Pangea platform (the detailed description of it is available in the Pangea whitepaper link).

In other words, the B-Umbrella application offers an online platform where clients and security specialists can interact in order to sign security agreements without having to correspond to any third-party authorization and without involving any intermediaries.

Both the functionality of the DApp and the relations between the clients and executors are to be built upon the concepts of the *self-governance and the genuine freedom of choice.*

The services available on the platform will cover the following types of the security activities: guard dog services, property protection services (including armored cars, security systems), body guard services, parking security services, security patrol services, personal protection services (except security systems services), cybersecurity services (including information security and protection from wiretapping), protection of industrial, commercial, and infrastructure facilities, security checks, crowd management (event security) etc.

Besides, B-Umbrella will offer some unique opportunities and features going far beyond the conventional security services (more on that later).

1. Mission and Structure

1.2 Structure

The application will provide the peer-to-peer cashless transactions empowered by the pre-designed smart contracts identifying the relationships between clients and executors as well as the terms and conditions basing on which the security agreements are considered satisfactorily completed.

The application architecture will be built as a combination of two technological stacks including:

a) a decentralized blockchain layer for everything related to the users' interactions, payments, and personal data and

b) a semi-centralized cloud-based layer for the functions and features invulnerable to the data leakage threats.

The universal BUNT tokens issued during the token distribution period are aimed at executing the subscription & membership function providing users with the full access to the entire functionality of the B-Umbrella platform. The whole structure of the B-Umbrella platform will be divided into two sections:

1) a free general one accessible for everyone via a mobile app or a web browser and
2) a paid professional section accessible for those users who have tokens on their personal B-Umbrella accounts.

For instance, placing a sign for a job (a request for a particular security spec) will cost a client some definite amount of tokens while the registration (sign-in), making a personal account, and surfing through the clients and executors boards will be free. It will be made in order to mitigate any probable scam and spam activities. Besides, the paid section will be working under a blockchain layer providing the security and anonymity mandatory for the p2p deals. The only difference in accessing various paid sections will be in the number of tokens necessary to enter and use a particular service.

The BUNT tokens will be issued during the token distribution period (more on that later) in the total amount of 1 500 000 000 BUNT in order to provide funding of the B-Umbrella's platform development as well as to reserve tokens for the early adopters of B-Umbrella who can eventually use all available services at the initial price.

In addition, a special reserve fund of tokens will be created and locked until the main version of B-Umbrella is put into full operation. The fund will be coupled with an embedded purchase/exchange service where every user will be able to buy or exchange tokens over time at the average market price available at that moment.

1. Mission and Structure

1.2 Structure

Besides, each user will get a new crypto wallet automatically created at the stage of registration. The balance of each new wallet *will not be zero* but equal to the minimum amount of tokens necessary to perform some elementary actions on the paid section of the B-Umbrella app (to place a request for a security spec, for example).

Insofar as the number of B-Umbrella users is not limited, the emission of BUNT tokens should not be limited respectively. However, the unlimited emission of tokens will most likely affect their value in the course of time. Therefore, the reserve fund of tokens for further dispense through the purchase/exchange section of the platform will contain the limited but sufficient amount of tokens for at least a two-year-long period of operation of the DApp. Besides, the algorithm of token circulation within the platform will be designed in such a manner that all tokens collected from users who pay a service fee will be redirected back to the reserve fund.

In addition to the above, the redeem period for BUNT tokens will start after 6 months of the B-Umbrella actual operation. We will provide this buy-back period in order to return as many tokens back to the in-DApp operation as possible. The redeem price will be equal to the average market price of BUNT at the moment of purchase being at the same time not lower than the token distribution period's price.

1. Mission and Structure

1.3 Ecosystem

Thus, the entire ecosystem of the B-Umbrella project will include:

a) the users (both the clients and executors) owning and using BUNT tokens,

b) the visitors of the DApp who have no tokens to spend but who can sign-in to become the users, and

c) the decentralized cross-platform application built upon the double-layer hybrid stack where:

1. the blockchain-based layer will provide the client-executor interactions within a scope of the features requiring tokens for their operation. The features will include:

- the embedded crypto wallets bestowed to every registered user's profile that will contain an initial amount of tokens necessary to perform some elementary actions on the platform. Every wallet can be charged with tokens from the purchase/exchange section of the application where tokens of the reserve fund will be available as well as with tokens from the outside wallets of the users who purchased BUNT during the token distribution period;

- the purchase/exchange section will be integrated with several reliable crypto exchanges in order to offer acceptable cryptocurrencies (Ether, Bitcoin, etc.) to the B-Umbrella users in exchange for BUNT tokens at the most gainful current rates. Thus, the clients will be able to pay tokens to the executors for the executed services within the platform while the executors will be able to exchange the earned tokens for different cryptocurrencies on the spot.

Besides the purchase/exchange section will be coupled to the reserve fund which is to be created during the token distribution period. The fund will contain about 30% of all created tokens dedicated to further distribution via both the purchase/exchange section and the in-profile wallets of the users. The token circulation algorithm will be designed in such a manner that it will be impossible to withdraw tokens from the in-profile wallets for using them outside the platform. Besides, in order to fill in the new users' wallets with sufficient amount of tokens as well as to provide the uninterrupted work of the DApp, all tokens collected from the users when they pay services fee will be redirected back to the reserve fund;

1. Mission and Structure

1.3 Ecosystem

- the feedback/reputation section where both clients and executors will be able to leave comments regarding the actually executed services as well as to match users with reputational stars. The architecture of this section will be designed in such a manner that leaving feedback or matching with rep. stars will be possible only for those client-executor pairs who have common deals (safeguarding agreements) signed and executed via the B- Umbrella DApp. Any user having no actual deals with a particular executor will be able to leave feedback regarding the executor. Besides, a negative feedback along with the reputational anti-stars (expressing dissatisfaction and lowering down the reputation rating of users) will cost much more tokens than praising. Thus, even though such expenditures are calculated in micro amounts, the very fact of spending of tokens will most likely deter unfounded allegations and biased opinions.

- the deal/agreement section will provide users with a set of pre-designed agreements (contracts) in the form of templates where users will be able to indicate various optional parameters determining terms and conditions of their deals. The templates will be designed to cover the broadest possible array of tasks and assignments associated with different security services. Choosing one or another template for signing an agreement, both a client and an executor will come to a consensus regarding the conditions at which the service is recognized satisfactory completed.

The templates will be designed as the ordinary plain documents to facilitate signing agreements without having to be programming-savvy. Different templates will require different amount of tokens depending on the complexity of each particular agreement to be signed. When a template is filled in with all necessary options by both a client and an executor, a special platform-based algorithm will automatically convert the template into a smart contract to be executed in a distributed ledger.

- the assignment/bidding section will provide users with opportunities to place job requests to find and hire security specs (for the clients) as well as to bid the available assignments (for the executors). The section will be accessible for surfing free of charge while the participation in signing/bidding will require tokens.

1. Mission and Structure

1.3 Ecosystem

2. the semi-centralized (non-blockchain) cloud-based layer will provide the functionality which does not require tokens to spend along with the content invulnerable to the leakage of personal data including:

- the public free UI along with the “user guide” and customer support chatbots;
- the chat room for both the actual users and the unregistered visitors;
- the sign-in form for registration;
- the lists of clients and executors along with their publicly accessible self-promoting profiles and assignments;
- the news and push-notifications section;

Thus, all parts of the entire ecosystem of the B-Umbrella project are interlinked through the functional BUNT tokens providing the users and the platform with the reliable and efficient means of interaction.

2. Specific Advantages & Capabilities

In contrast to the ordinary security providers, the B-Umbrella DApp will offer the clients considerably new opportunities and advantages such as:

- The *full anonymity* when the safeguarding agreements are signed within the blockchain between two parties in a trustless mode without any third party involvement.

- The *smart contract technology* will provide execution of the safeguarding agreements automatically on achieving specific conditions predefined by the code of the corresponding smart contracts.

- The *spatial irrelevance* when both clients and executors can make agreements with no regard to their geographical or official jurisdictions.

- The *guaranteed security of invoicing and rewarding* when all the transactions are executed in the blockchain.

- The *self-governance and personal responsibility* when security services are provided with no regard to any compulsory licensing, certification, and governmental authorization inherent in the conventional security service environment.

- The *anonymous security service (proxy security)* provided by a client for the third parties (children, parents, relatives – any kind of loved ones) without their awareness about the safeguarding service applied to them.

- The *"charity" security service* when a group of clients donates a special wallet to reward security specialists on the crowd-funding basis. It can be applied when the anonymous security is required for some objects or people who can not be protected with ordinary methods due to financial, social, or legal constraints (regularly defaced monuments and cemeteries or abused migrants and minorities, for example).

- The *hyper low-cost safeguarding solutions* when private persons offer babysitting-like hourly paid security services for the tiny rewards unacceptable for the professional security providers.

2. Specific Advantages & Capabilities

- The *survival services* in the wilderness when ordinary tourists (hunters, fishers) are protected by well-trained guides and traffickers during their tours to the hard-to-get-to remote locations. The similar service also can include visiting various high-risk or criminalized places and districts in megalopolises where escorting by a local resident is necessary.

- The *barter-like security agreements* when two persons can make a mutually beneficial deal based on their skills. Hence, a cybersecurity specialist can be rewarded by hairdressing or dental services of his/her client, for example.

- The *atypical security services* related to religious, mystic, psychological, superstitious, and any other exotic concerns of clients. A security agreement for protection against vampires (or aliens) is to be possible there.

- The *discreet protection and covert security* in the form of escorting by the average-looking guards (a lady-bodyguard accompanying a businessman to a restaurant for negotiations under the guise of his girlfriend, for example).

- The *group security services* (crowd management) when a pool of guards is gathered via the app to provide protection of various one-time events (parties, celebrations, meetings, exhibitions, concerts, public protests etc.).

- The *security courier services* when transportation and delivery of some valuable items are executed without ordering an ordinary armored car provider.

- The *chain-type security services* when a client can hire various guards from different places to provide security on his/her way through several remote locations (cities, countries, etc.) where the guards can pass the “baton of protection” from one to another as the client moves.

- Any other type of security services that can be offered by the executors or demanded by the clients.

3. The Executors

3.1 Registration

As it was mentioned above, everyone will be able to create a profile on the B-Umbrella platform selecting a relevant security specialization. The only formal procedure necessary to enter the application is the online registration. A potential executor will need to fill in a profile data including an avatar, a nickname and an informal description of skills and services s/he can offer. Besides, the interface of the app will propose selecting an appropriate type of available security services by adding to a profile the specific icons identifying the types of services and skills of an executor (possession of weapons, martial arts knowledge, remote service possibility etc.).

In addition, the candidates to the executors will have to buy some amount of BUNT tokens to be able to use all available B-Umbrella's services. In case they purchased BUNT during the token distribution period, their in-profile wallets can be charged with tokens directly from their own private outside wallets. The rest functionality of the executors' section of the app is to be similar to other various online freelance employment exchanges. The executors will be able to gather in groups (pools) basing on their interests, skills, locations etc. There will be a ranking system based on the clients' feedback where the executors can be classified with reputational stars. In addition, a special messenger-like section will provide the executors with an ability to share their experience with their colleagues in two chat rooms – the "Walk of Fame" (for positive feedback) and the "Whipping Post" (for something negative). The clients will have a similar section too.

There will be two different types of the executor profiles on the platform – a personal profile and a group (enterprise) profile. The latter will be dedicated to the officially registered companies (security service providers, agencies etc.). The registration procedure for such type of the profile will be more complicated and expensive with regard to the amount of tokens to be spent.

3. The Executors

3.2 Executor-related Features

- The *full confidentiality of deals* based on the peer-to-peer relations with clients where anyone of the B-Umbrella's staff will be able to interfere the details of the security agreements. The smart contract templates used for signing the security agreements will automatically withdraw only the amount of tokens predefined as a service fee of every type of the contracts and only at the moment of the contracts' execution. Thus, B-Umbrella will be able neither to dictate the pricing nor to get more tokens than a particular contract costs.

- The *absence of any compulsory licensing* or certification of the executors as well as of the age, gender, nationality, experience, and any other possible restrictions.

- The *part-time work opportunities* when the executors can deliver their security service to several clients simultaneously as well as reconciling their possible official positions with the secondary job for the B-Umbrella clients.

- The *anonymity* provided by both the B-Umbrella code of conduct and the very nature of the blockchain-based p2p workflow.

- The *self-promotional opportunities* provided by the informal structure of the executors' profiles where everyone can indicate everything worth mentioning with regard to the business.

- The *opportunities to offer some atypical* and even weird services that can hardly relate to the conventional security service providers but that nevertheless can be in demand among some specific client audience.

- The *special "veterans fund"* in the form of a token wallet which can be voluntarily donated by both the executors and the clients in order to compensate medical or any other expenses of the security guards who appeared in a precarious financial situation due to trauma and injuries resulting from the service-related activities.

- The *absence of any obligations* against the B-Umbrella platform when executors can leave the service whenever they wish.

3. The Executors

3.3 Potential Executors

- military veterans and retired personnel who face problems with official employment due to various reasons;

- former and actual athletes looking for extra earnings;

- unemployed bodyguards having no official opportunities to be employed by the conventional security service providers;

- white-hat hackers capable of delivering cybersecurity services on a private basis;

- martial artists and coaches looking for extra earnings apart from their training jobs;

- former inmates having difficulties in finding their way in society;

- taxi and truck drivers capable of providing confidential courier and delivery services for various valuable commodities;

- guides, survivalists, and traffickers capable of arranging safety visiting of various dangerous locations;

- well-trained and able-bodied students looking for some side business in their spare time;

- spiritualists, healers, and psychics whose extrasensory capabilities can deliver some atypical security services to those clients who feel vulnerable to the forces of evil from the beyond;

- actual officially employed bodyguards whose work schedule allows them to have a secondary job;

- everyone throughout the world who is confident in his/her ability to deliver a particular security service.

4. Exemplary Customer Cases

Everyone who need protection and security will be able to use the service. Often people cannot afford the officially registered security providers due to some financial or legal constrains. Besides, the ordinary security providers offer quite a limited scope of services for which they have some appropriate licensing. For instance, a business person whose relations with partners or customers are sensitive to security concerns would be able to find and hire a freelance safeguard via B-Umbrella to keep the security agreement in secret. Paying tokens or cryptocurrencies for the service s/he could prevent the details of the security agreement along with the very fact of the deal against disclosing.

We believe that the advantages and features described above will draw attention of the potential clients to the application. Nonetheless, some imaginary illustrative cases can help to better comprehend the unique opportunities and solutions provided by B-Umbrella.

- business persons who operate within highly corrupted environments where appealing to official security service providers may likely entail persecution by governmental and criminal organizations practicing racketeering activities (former USSR countries, for instance);

- individuals whose business, political, or social reputation may be negatively affected when their contracting with security guards is widely publicized (discreet protection);

- people who need protection and security services for one-time situations (events, tourist and business trips, negotiations etc.);

- people and organizations who suffer from cyberattacks having no sufficient financial resources to contract official cybersecurity specialists or being distrustful to their professional capabilities;

- people who want to arrange bodyguard service for their children, parents, relatives, friends, partners etc., on a confidential basis in order to keep their loved ones unaware about the service due to psychological, social, ethical, or any other possible reasons;

4. Exemplary Customer Cases

- individuals, groups, and communities seeking for security services while their official status (migrants, refugees, national or sexual minorities etc) does not allow them to be officially protected;

- people who need to visit some high-risk areas or criminalized districts where escorting by a local guide is necessary;

- people who need the security service which can be rewarded through the mutual exchange for another service (cybersecurity – hairdressing, security courier delivery – dental service, etc);

- individuals who believe in danger and threats rooting somewhere beyond the physical reality (vampires, aliens, evil spirits, ghosts etc.) and thus being unable to ask for protection from the ordinary security service providers;

- individuals, groups, and communities who seek remote protection for people or objects locating in distant areas (memorials, cemeteries, cultural or business facilities, etc.);

- everyone who feels vulnerable to the actual or imaginary threats without intend to publicly disclose any fear and vulnerabilities, however.

5. Token Distribution

BUNT (B-Umbrella tokens) represent the membership and service-fee-payment functions enabling users to make safety agreements, pay for DApp services, and execute any transactions necessary to interact within the B-Umbrella DApp.

Thus, BUNT are simple app coins that can be recognized neither as equity nor as currency.

They will work as the means of interaction between the users and the DApp providing the "fuel" for running the system and protecting the DApp against spam at the same time. Despite the number and variety of services available within the B-Umbrella application, the only universal BUNT tokens will be needed to get access to the entire functionality of the DApp. BUNT tokens will be minted through Waves platform's link blockchain to facilitate our token distribution for those people who are not experienced in dealing with cryptocurrencies.

The BUNT tokens do not guarantee users any type of profits being neither security nor a currency.

Although B-Umbrella's tokens do not guarantee any future profits to their holders, they will enforce the network effect gradually making the B-Umbrella's ecosystem more valuable. The more users (both the clients and the executors) enter the B-Umbrella ecosystem, the more tokens are required to pay fees for using B-Umbrella services. Thus, the growing number of users will gradually rise the tokens' value up making the network effect apparent.

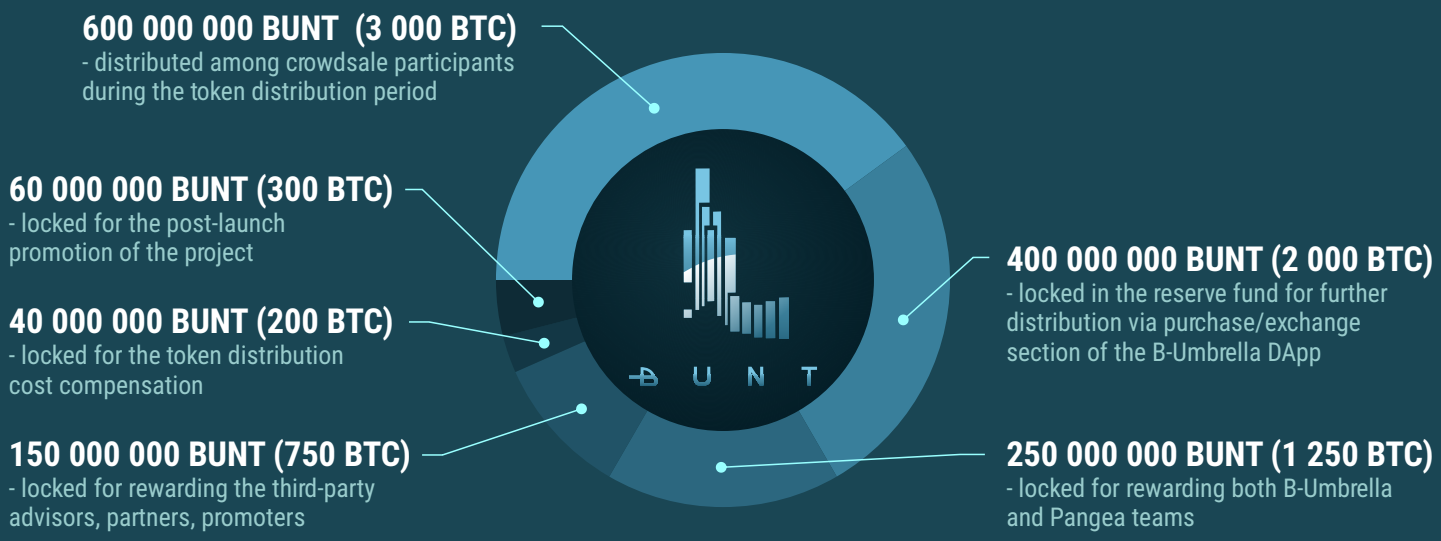
Tokens will be issued during the token distribution period in a limited amount. However, the initial token distribution event will not be the last chance to buy BUNT (B-Umbrella tokens) once a special purchase/exchange token section of the platform will be put into operation after launching the main version of the B-Umbrella DApp. The period between the initial token distribution and the launch of the main version of the platform (approximately in 16-18 months) can alter the value of tokens significantly. Since B-Umbrella offers both a new technology and a socially valuable initiative, the value of BUNT will be growing in the market most likely.

In addition, the algorithm of token circulation within the working B-Umbrella DApp when users exchange the tokens for different cryptocurrencies implies the deficiency of the tokens freely floating outside the DApp. The correlation between the increasing number of the B-Umbrella users and the decreasing amount of tokens circulating outside the DApp will inevitably lead to the growth of the tokens' value. This process should incentivize the early adopters to purchase BUNT tokens during the distribution period.

5. Token Distribution

The total amount of BUNT to be created is 1 500 000 000 BUNT that is equal to 7 500 BTC (BTC, ETH, USD, and EUR are the currencies acceptable by default by the Waves wallet for token crowdsale). The rate of the B-Umbrella tokens is 200 000 BUNT for 1 BTC. The tokens will be issued via Waves platform (https://wavesplatform.com), and will be instantly available for trading in different currency pairs on the DEX exchange.

The total amount of BUNT will be distributed in the following proportion:



Thus, the total amount of tokens for sale is 600 000 000 BUNT (3 000 BTC), that is the hard cap to be desirably reached during the 360-days token distribution period.

We arrange such a long distribution period in order to demonstrate what a tremendous faith we invest in our project. As every teammate of B-Umbrella is a volunteer, we are building our project purely pro bono. Besides, we realize that B-Umbrella as such is quite a provoking project going beyond the frameworks of both the ordinary companies and the crypto initiatives. Therefore, we may hardly account on a rapid token-sale procedure. However, we hope on a growing community of like-minded crypto anarchists who will gradually join us in the course of time sharing our values and appreciating our transparency.

The minimum possible amount (MPA) to prevent the project from collapsing is 20 000 000 BUNT (100 BTC). It means that the first stage of the B-Umbrella DApp development (MVP or an alpha version) will start when the MPA is reached. When the hard cap is reached, the token distribution stops automatically. It means that no extra amount of BUNT will be offered to the public audience until the main version of the B-Umbrella DApp is deployed. In the case we fail the token distribution when even the minimum possible amount is not reached, all collected payments will be returned to the crowdsale participants.

After the successful token distribution, the B-Umbrella project will be relocated to Estonia via the Estonian e-Residence system. Now the project is developed under Flix s.r.o. Company officially registered in Prague (Czech Republic).

6. Road Map

The sequence of actions which demonstrates how B-Umbrella project is to succeed can be determined as following:

April – October 2017

Initiation and establishment of the B-Umbrella project, development of the B-Umbrella's website, writing the whitepaper, attracting third-party advisers and consultants. Fostering relationships with Bitnation link

Dec. 01 2017 – Dec. 01 2018

The token distribution event-crowdsale of BUNT tokens on the Waves ICO platform link (DEX exchange)

May – July 2018

Acquiring Pangea API and dev tools, launching the alpha-version (MVP) of the B-Umbrella's DApp for public feedback. Further development and integration process in cooperation with the Bitnation team

May – June 2019

the final refining of the B-Umbrella's beta, integration of the DApp with various relevant third-party services and platforms (wallets, exchanges, IPFS, etc.)

January – December 2020

The redeem period when B-Umbrella provides a buy-back of BUNT tokens from token holders at the average market price but not cheaper the the initial price of the token distribution period.

October – December 2017

Preparatory period for the B-Umbrella's BUNT token distribution event. Finalizing the agenda and technical nuances of the ongoing integration of the B-Umbrella DApp with the Pangea platform of Bitnation link

January – March 2018

Relocation of the B-Umbrella Company to Estonia via the e-Residence system. Initiation of the B-Umbrella's MVP (alpha-version) development together with the Pangea developers' team

January – February 2019

The public presentation of the cross-platform beta-version of the B-Umbrella full-fledged cross-platform DApp. The testing and iterations period

July – August 2019

The official launch of the finished B-Umbrella DApp under the Pangea platform: activation of all embedded services, unblocking the platform's purchase/exchange token section, starting the post-launch promotion, arranging 24/7 customer support

7. Team and Advisors

The core of our team consists of four crypto enthusiasts who are not satisfied with how the present security industry works. We invented the B-Umbrella project from the scratch – no exemplary case of a similar project was available. After several months of brainstorming we developed the comprehensive model of the DApp. Now we are working over the refining of various aspects of our model with regard to the technical, organizational, and even social-political features of B-Umbrella. We are working like a group of volunteers since the present stage of our project does not imply any profit. Although we adhere to the principle of equality, two of us – Konstantin and Oleg have the definite seniority with regard to the larger responsibility they take about the project.

Konstantin Rovynskyi is a co-founder of B-Umbrella, an experienced entrepreneur who has been working in the international economy for about 20 years. He is a co-owner of Enthalpy Energy Ltd (Turkey) and the owner of Flix s.r.o. (Czech Republic). Konstantin is a crypto anarchist by conviction, a Bitnation citizen, a blogger, and a blockchain propagator.
https://www.linkedin.com/in/konstantin-rovinskiy-4a4525b0/
https://www.facebook.com/profile.php?id=100014113303840
https://medium.com/@rokos2009

Oleg Mykhailyshyn is a co-founder of B-Umbrella, a crypto miner and trader since 2011. Oleg is a talented C, C#, PHP developer, a professional microcontrollers' programmer, DC SolidWorks virtuoso, and a crypto enthusiast.
https://twitter.com/fluoorum

Nicholas Semenov is a web designer at B-Umbrella. He is an Adobe Illustrator and PhotoShop virtuoso, a geek and a gamer, a cycling fan and a crypto anarchist.
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Yuriy Pasyeka is a system administrator and a web developer at B-Umbrella. He is an experienced DevOps engineer, a professional PHP and JavaScript developer, a blockchain activist, a mountain hiker and audiophile.
https://twitter.com/paseka89

7. Team and Advisors

Since our DApp will run on Pangea platform of Bitnation we invited its leader **Susanne Tarkowski Tempelhoff** to be our advisor. Her tremendous energy and creativity is what pushes the Governance 2.0 paradigm into reality.

Our legal advisor **Vitaliy Domanytskyy** is a managing partner of Euro Management Consulting LLC. He is a Legal expert of the Center of protection and legal aid on intellectual property rights. Vitaliy is a crypto enthusiast and a blockchain activist.

Our social media channels:

https://www.reddit.com/user/BUmbrellaDApp
https://twitter.com/BumbrellaDapp
https://www.facebook.com/blockchainzealot
https://t.me/b_umbrella_security
https://medium.com/decentralized-security-service-b-umbrella

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