



# NAIREUM

THE HEX-STACK TECHNOLOGY

WHITEPAPER

# NAIREUM

## THE HEX-STACK

**Naireum** is a platform that provides transparency, speed and accuracy. Transactions are truly decentralized, traceable but not reversible. Hex-Stake validates the authenticity of every transaction in one direction which makes it impossible for hiding, mutilation (delete and update), Naireum is a transaction network that enables deanonymizing transactions in any currency between arbitrary pairs of agents.

**Naireum** is not just a digital asset but it is a network built for financial institutions which makes it an engine that drives the industry. Hex-Stack eliminates tremendous fees associated with conventional and other decentralized network, 0.25% of every transaction is taken as the Network fee.

This document is not an offer of securities or a collective investment scheme. Contributors are advised to read this document carefully in full.

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# 1. Introduction

Naireum is a digital solution where users can make bank transfers, pay bills, change fiat currency into digital asset for quick fund access. Naireum provides network where financial institutions can connect to perform transactions within and outside a country. With Naireum, your e-commerce businesses, private payments, retail stores can enhance its financial transactions for both clients and suppliers.

The intent of Naireum Hex-Stack is to create an alternative protocol for building decentralized applications, where time, security, transparency and the ability for applications in the network to communicate with each other.

## 1.1 Background

In 2008 the world economy fell because of Lehman Brothers, the financial system froze, and the world economy almost collapsed not that they were no transparency and security, the reason was that Financial institutions refuse to keep up with recent technological innovations.

Prior to 2008 between 1950 and 1980, staffs roughly earn the same amount of money irrespective of whether you worked in Main-street or Wall-street, United State did not experience any significant financial crises during this period. Only for bank bailout, surreal salaries, widespread fraud and poor risk management becoming news headline. Much has changed since 2008.

Lack of transparency, negligence of investors, financial institutions, advisors, markets and record keepers are extracting enormous fees from both investors and companies, these has introduced high fees and low liquidity, existing financial platforms lack transparency, they have no third party verification and often suffer from conflicts of interest.

## 2. Hex-Stack

Hex-Stack technology is an engine built with precision having Security, Speed, Scalability and Transparency (**SSST**) in mind to achieve true honesty and fairness within the world of finance.

Hex-Stack allows the decentralized deanonymizing exchange of digital data between its peers featuring an incorruptible ledger recording all transactions. The process is fully transparent all times, transactions are fully traceable, irreversible and incorruptible.

Naireum network issues validity and authenticity of each transaction and fraudulent act is denied immediately. With its precision control the entire network or transactions are granted, making it impossible for hiding, mutilation (delete and update),

Naireum is also a transaction network that enables deanonymizing transactions in any currency between arbitrary pairs of agents. All transactions are fully traceable back to their origins anytime and all network peers have access to that incorruptible ledger.

Figure 2.1

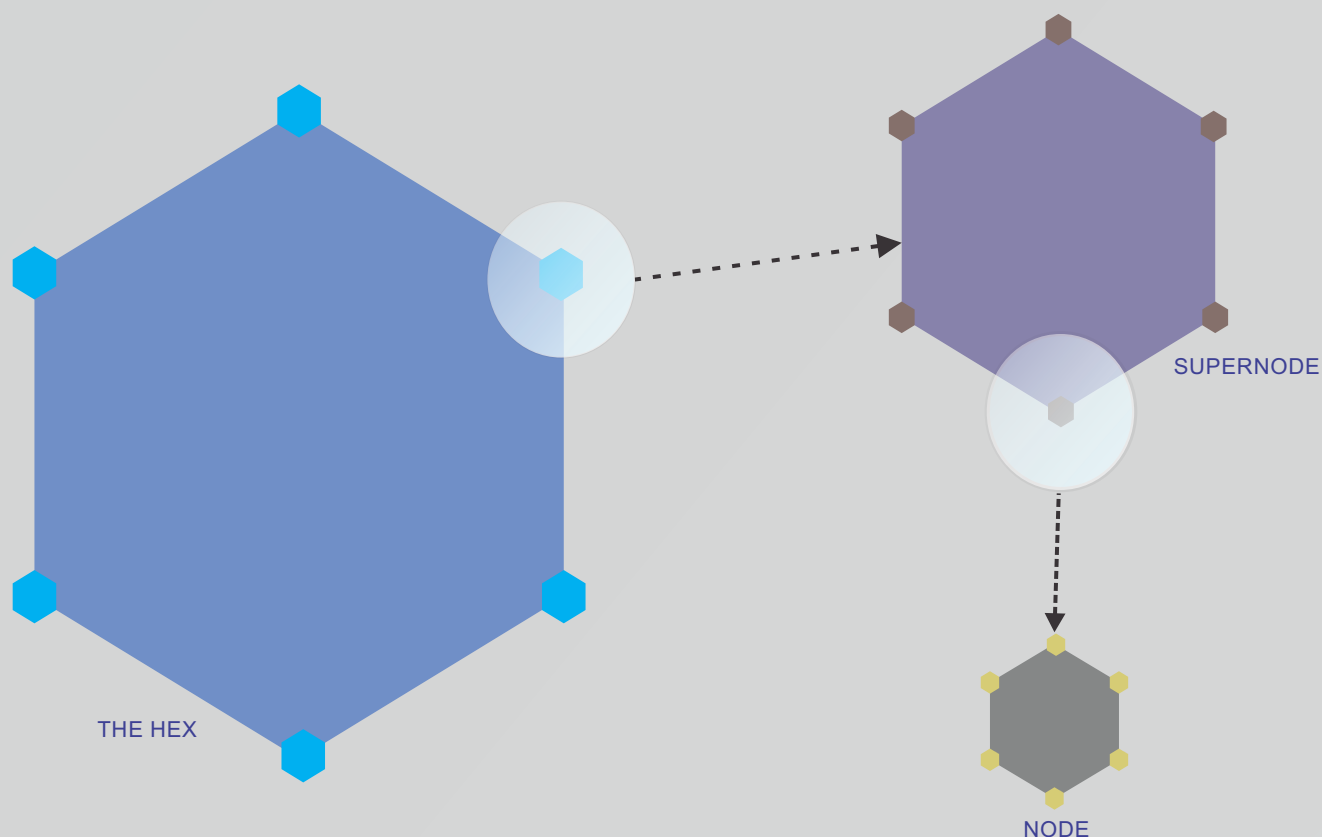
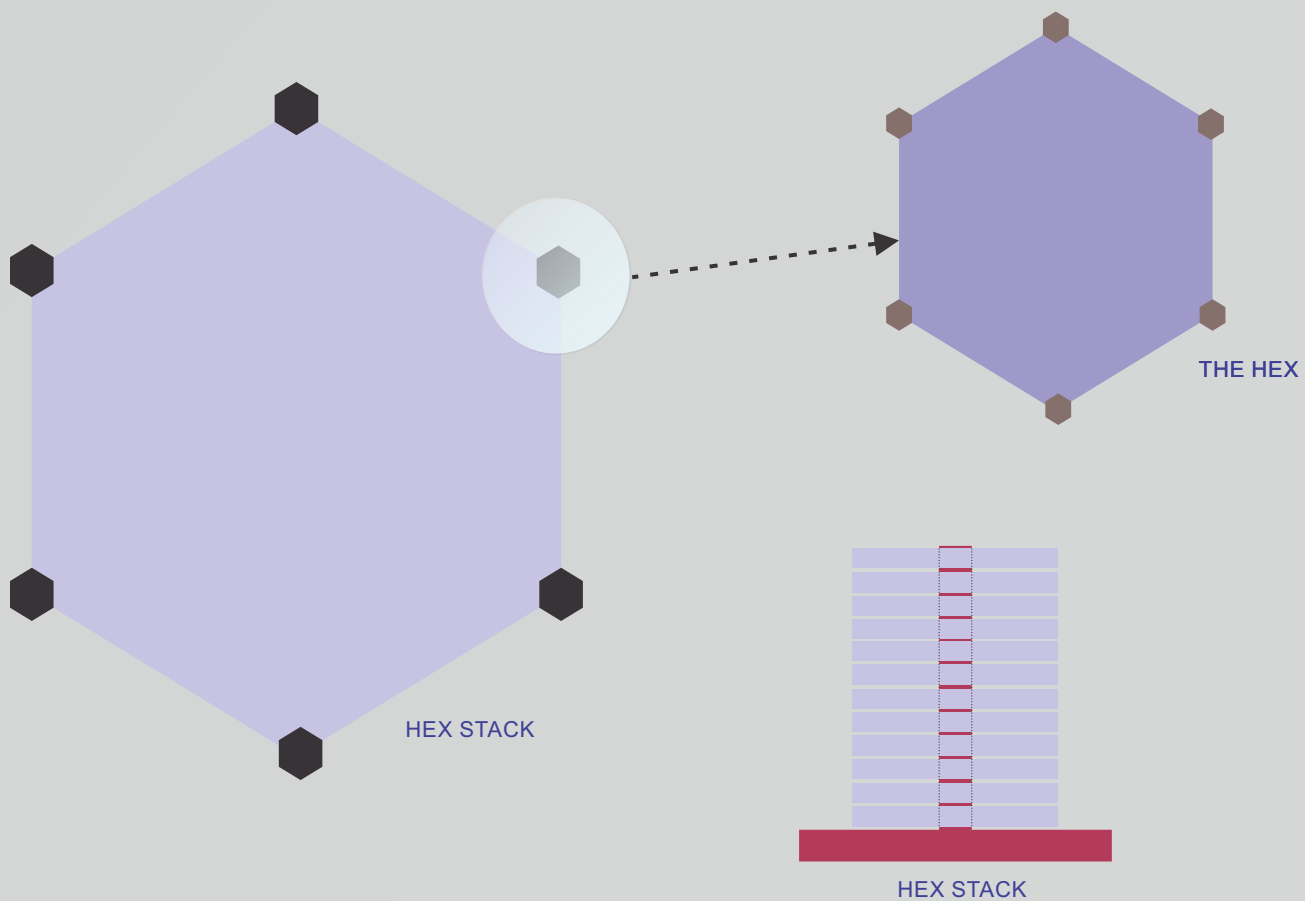


Figure 2.2



## 3. Naireum 1.0

Naireum is an advanced digital solution which will grant non-anonymous users access in a simpler, safer and faster way to transact. Naireum version 1.0 is a full developed digital asset which provides global means of payment considering a flat network fee of 0.25%.

Following multiple legal consultations across various jurisdictions, Naireum management is fully confident that Naireum falls under the classification of digital asset and NOT security. Naireum acts as a coupon or ticket that grants access to the naireum sphere when used in any of the platforms. It can be interchangeable with Fiat, Crypto, and other Tokens (and eventually other listed assets).

Transactions are truly decentralized, traceable but not reversible. Hex-Stake validates the authenticity of every transaction in one direction which makes it impossible for hiding, mutilation (delete and update), Naireum is a transaction network that enables deanonymizing transactions in any currency between arbitrary pairs of agents (Individuals and Companies).

### NAIREUM ASSET

1 Nairuem = 1,000,000 Crystals

1 Crystal = 0.000001 Naireum

### NAIREUM MINTS

25,600,457,452 Naireum mints that will be in circulation after ICO

### 3.1 Why Naireum

- Low Transaction fee.
- Minimizing cost of cash prints.
- Value that can be used to purchase goods and services.
- High Level Of Security.
- Bank Transfers.
- Fast Transaction of 30 seconds maximum.
- Affordable Bureaucracy.

## 3.2 Naireum Specifications

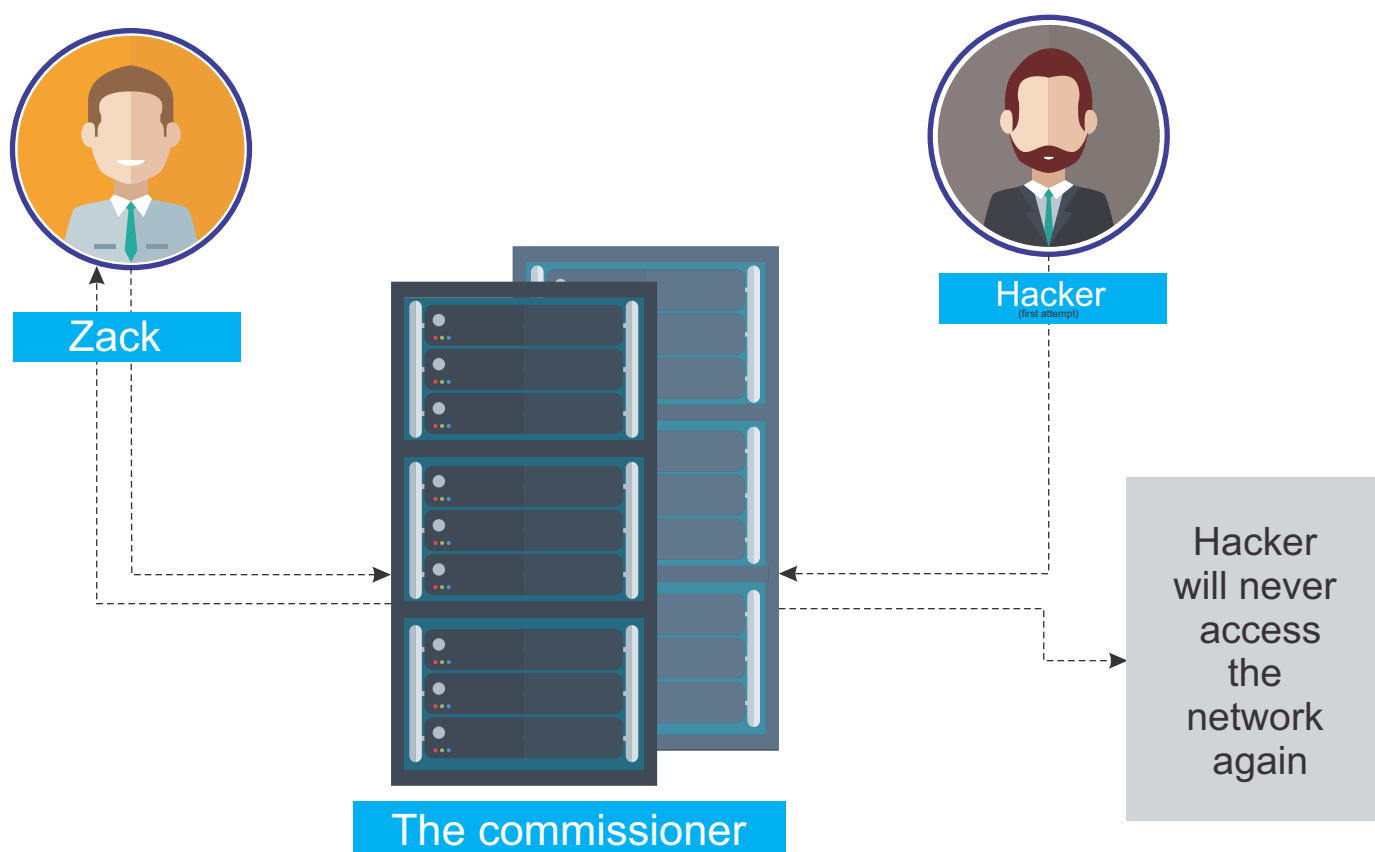
Hex-Stack Technology.  
Decentralized.  
Peer(agent) to Peer(agent).  
Deanonymous.  
Coin algorithm scrypt (POO).  
Coin abbreviation: NRM.  
Maximum Coin Supply: 25,600,457,452.



## 4. The Commissioner

The innovating implementation of this technology by Naireum team is to have a consensus of votes by commissioners (lines of codes). The Minimum requirement of votes are 85% of the entire existing board of commissioners which makes it a fraud-less system (Service of Denial) where false data feed can not live.

The Commissioner authenticates, triggers transactions and applications which can only exist in Naireum network, at this layer Naireum token can be forked with the help of the next layer Oriffice.



## 5. Our Vision

Naireum is poised to change the way the world handle transactions, paybills, transfer funds, etc.

### Targets:

- To be top 7 crypto-asset based on market capitalization.
- To be most cost-effective platform to facilitate banking services.
- To partner with international financial companies like MasterCard, Verve etc.
- To have global acceptance with governmental backup.
- To provide network where banks connect to executive transaction.
- To effectively provide backbone for a cashless society.



# 6. Technical Approach

Leonardo Fibonacci first proposed the sequence of numbers named in his honor in his book Liber Abbaci (Book of the Abacus). The rabbit problem was an exercise in addition and not an attempt to accurately model a rabbit population. It appears that the relation  $f_{(n+2)} = f_{(n+1)} + f_n$  was not recognized by Fibonacci but was first noted by Albert Girard in 1634. In 1844 G. Lamé became the first person to use the Fibonacci numbers in a "practical" application when he used the Fibonacci sequence to prove the number of divisions needed to find the greatest common divisor of two positive integers using the Euclidean algorithm does not exceed five times the number of digits in the smaller of the two integers.

The use of the term "Fibonacci numbers" was initiated by E. Lucas in the 1870's. Many relations among the Fibonacci and related numbers are due to Lucas and a recurring series first proposed by Lucas has taken his name.

The Lucas numbers are defined as:

$$l_{n+2} = l_{n+1} + l_n, \quad 0 \leq l_0 \leq 2, \quad l_1 = 1$$

The function fib(n) that computes  $f_n$  will return zero if  $n = 0$ , one if  $n = 1$  and the sum of fib(n-1) and fib(n-2) if  $n > 2$ , is proposed as the solution. *More succinctly,*

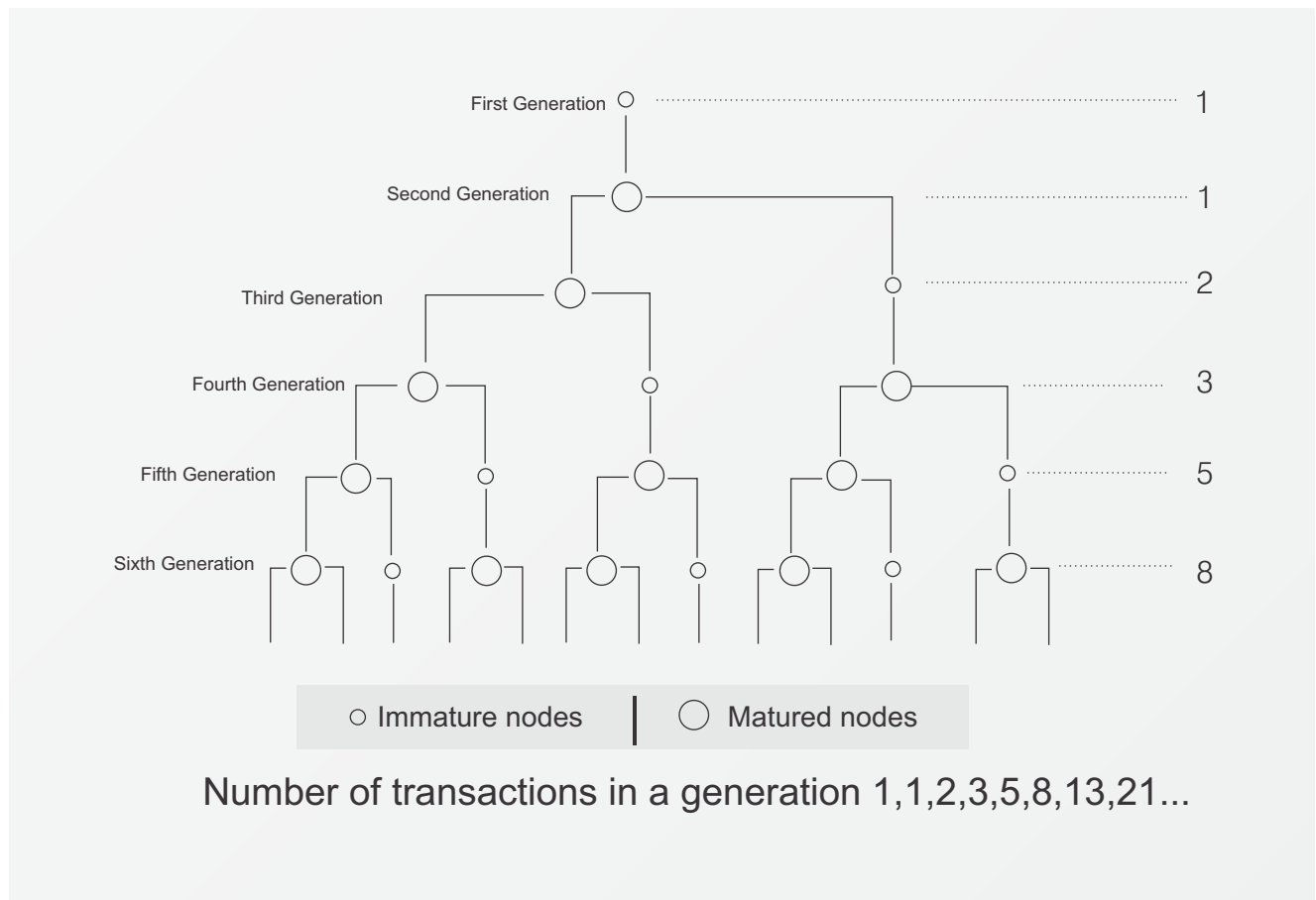
$$\text{fib}(n) = \begin{cases} 0 & \text{if } n=0 \\ 1 & \text{if } n=1 \\ \text{fib}_{(n-1)} + \text{fib}_{(n-2)} & \text{if } n > 2 \end{cases}$$

conditions

Order-k Fibonacci numbers can be computed using a similar method:

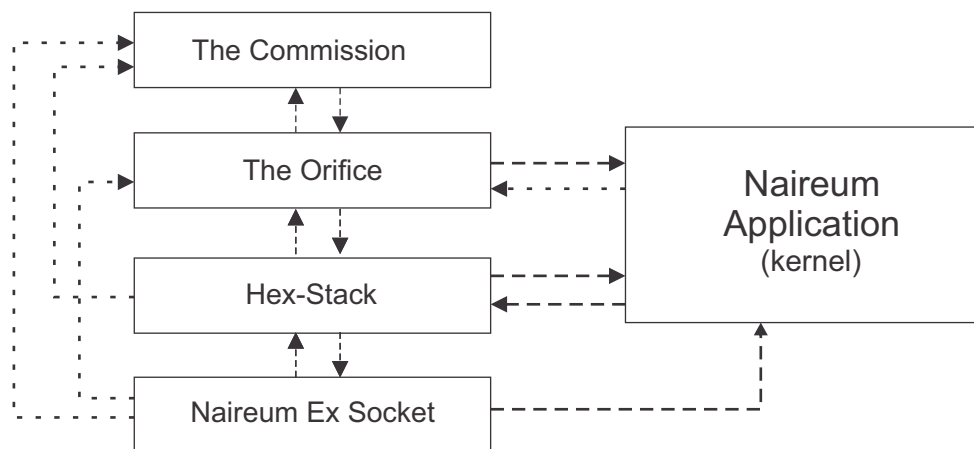
$$\text{kfib}(n) = \begin{cases} 0 & \text{if } 0 \leq n < k \\ 1 & \text{if } n=k \\ \sum_{i=1}^k \text{kfib}_{(n-i)} & \text{if } n > k \end{cases}$$

conditions



Immature nodes initiates transactions while matured nodes are completed transactions which can not be reversed nor manipulated.

Naireum application consist four layers namely: The Commission, The Orifice, The Hex-Stack and Naireum Exchange. .



Naireum Data Structure

## The Commission

The commission is the first layer that interfaces the public and Naireum system, at this layer millions of commissioners that initiates, allocate and authenticates transactions are present. The system do not give room for immature nodes to communicate to any layer other than this very layer. Each commissioner is an instance code generated to handle this actions.

## The Orifice

The Orifice receives feeds from the commission, feeds are streamlined to move to their specific registry and alignments of nodes with hexagonal links are made with denial of service in check. Consensus of 85% is the minimum votes required before a node is matured at this phase, the genealogy of every crystal (0.000001NRM) involve in the transaction is noted. With the help of 85% consensus votes makes it not conducive for bad feeds and injections from an unknown source.

## The Hex-Stack

The Hex-Stack is method of securing transaction with an algorithm developed from the fibonacci series in a hexagonal form. Transactions are acknowledged here, putting consideration of another security check before registering in it in an incorruptible ledger.

## Naireum Ex Socket

Decentralized exchange of other digital asset with Naireum occurs here, this is where Exchanges and other third party developers connect to, in other to access the Naireum application. Transactions do not occur here but are referred to the respective section where requests are attended to.

## 7. Naireum Wallet

Naireum wallet is designed with the highest level of security and it is really a user-friendly and ease money management and functionality via the hex-stack, the wallet application facilitates the management of digital asset allowing a simple way to make most of the transactions via web, stand-alone or mobile applications.

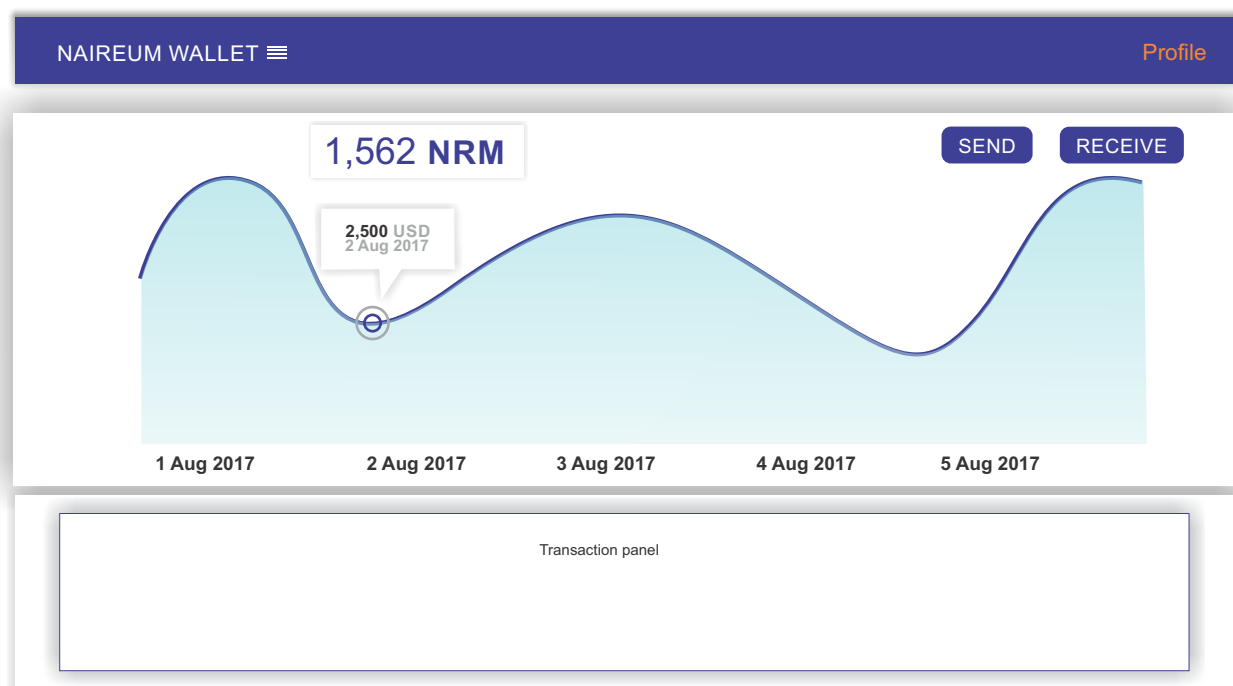
It is designed to display all the vital information considering the investor's portfolio and money balance.

### There will be three ways to use a Naireum wallet:

1. Online - web-based system.
2. Mobile - app running on iOS and Android devices.
3. Stand-alone applications (Linux, Windox and Mac).

The Naireum wallet features:

- Different currencies account in one platform.
- All financial operations are available on the same profile.
- User-friendly dashboard.
- Full analytics of transactions and other activity.
- Complete safety for your personal and transactions data.



## 8. Road Map



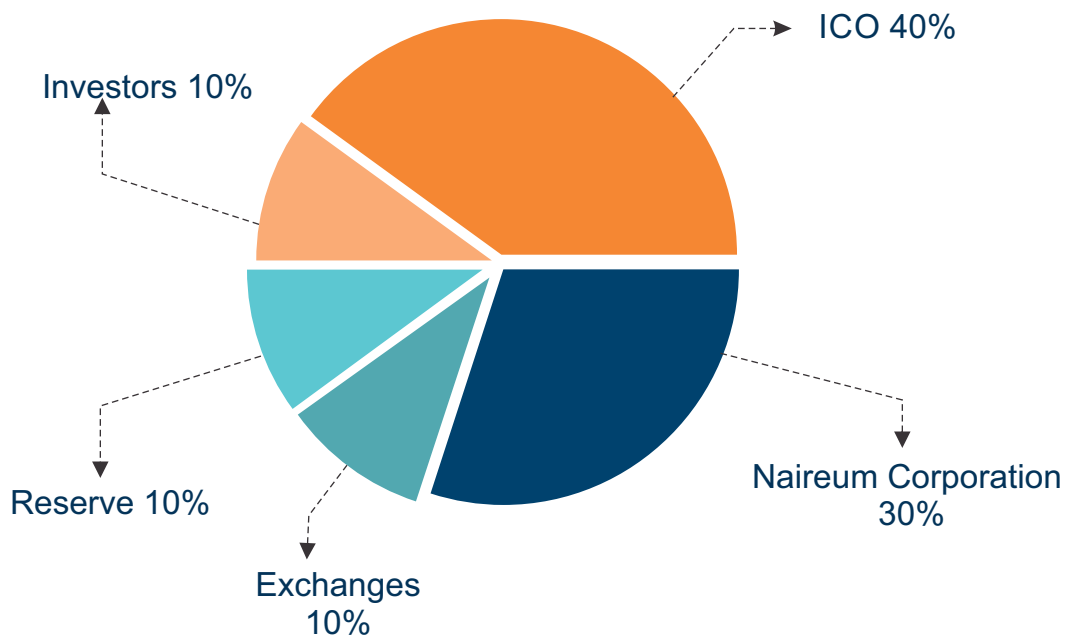
## 9. Initial Coin offering

Regardless of the outcome of the Initial Coin Offering (ICO) campaign, there will be no soft-cap, the project will continue in production and application.

The Pre-Sale gives an early opportunity to early contributors and investors, imagine participating in the Start-up hub in San Francisco in the early 2000s and you would be part of the now biggest companies like Apple, Amazon, twitter, Google etc. If small amount was invested in their projects, you would be multi-millionaire today.

Unsold PRE-ICO Naireum tokens will be transferred to the ICO that will run from February to March 2018, the remaining mints from ICO will also be sent for exchanges.

The selling price during Pre-sale is 0.25USD and price during ICO is 0.45USD. the total of 25,600,457,452 Naireum mints will be released in this pattern.



Naireum Token Distribution



# 10. Naireum Token

Naireum Token are assets investors own during Pre-Sale and ICO, one Naireum Token will be equivalent to a Naireum Mint (Coin) at the end of ICO.

Naireum Token NRT is known as Version 0.5 while Naireum Mint is also known as Version 1.0. NRT is an evidence of contract that investor partook in the ongoing ICO and at the end, it will be dissolved so that other companies can fork or mint from it.

Token name:	Naireum Token
Total Supply:	25,600,457,452
Decimals:	6
Symbol:	NRT
Crowdfunding Available:	12,800,228,726
Funding:	Bitcoin or Ethereum

## 11. Important notice.

This Whitepaper do not have offer document of any sort or prospectus. No persons is bound to enter into any contract or binding legal commitment and no cryptocurrency or other form of payment is to be accepted on the basis of this Whitepaper.

Any agreement in relation to any sale and purchase of Naireum Coin (as referred in this Whitepaper) is to be governed by only the T&Cs of such agreement and no other document. No such action(s) has been or will be taken under the laws, regulatory requirements or rules of any jurisdiction.

The publication, distribution or dissemination of this Whitepaper does not imply that the applicable laws, regulatory requirements or rules have been complied with.

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