1Web Project Whitepaper re: U.A.E. Retail and Wholesale Adoption of the CBUAE

Introduction

1Web provides comprehensive solutions for the widespread adoption web3, utilizing 5 core components listed below to fuse web2 and web3 into a hybrid internet experience we call 1Web.

By leveraging web3 technology and DNS mirroring, 1Web aims to integrate the digital dirham (DRH) seamlessly into both wholesale and retail sectors, facilitating everyday use by individuals and All technology is fully developed, and ready for API deployment at the domain registrar level. Actual onboarding time will be no longer than what it takes for the onboarding of any other API.

Vision and Mission

Our mission is to gain approval from the TDRA for them to regulate Web3 domain sales, registered under 27 unique TLDs (Top level domains, such as .com) that are customized to the UAE. These domains will serve as the online naming system across web1 and web2, thanks to DNS mirroring. Once this happens, the hopes are that ICANN will face social pressure to follow the lead, and open up web3 domain registration globally. However, if they continue to lag, this could present an opportunity for the registrars of the UAE as the interim, global web3 domain registrars.

In short, traditional domain registrars such as aeser.com will make web3 domains readily available to the businesses and members of the public who have zero knowledge about web3. These domain names will be their online identities across the internet. They will also be their email and video conferencing name, as well as and will resolve to their DRH wallets. They may even choose to get one name for personal use such as sara.auh, and one for transactions such as Khalifa.drh.

This replaces a lengthy crypto wallet address such as 0xifirmufkek49367fjgyu7jiff8968573jrkfifj4

Core Components

1Web's ecosystem is comprised of five meticulously integrated components:

1. **Unified Web2 and Web3 Domains**

2. **1Site: A Text-Prompted, AI-Powered Website Builder**

3. **DNS Mirroring**

4. **Hosting Solutions**

5. **Web3 Engine: Our Core AI Technology**

Key Features

Digital Naming Solution

1Web introduces a user-friendly digital naming solution, controlled by the ownership of 27 domain TLDs that we, the interim owners, possess, such as .dxb or .drh, representing the digital dirham, customized for the UAE. For instance, users can enjoy a personalized name such as ahmed.dxb. This name would represent a user's site name, email, CBUAE, and crypto wallet. These domains are equipped with web3 functions, such as sending and receiving digital dirhams, thereby promoting the use of the Digital Dirham.

API Integration

The solution includes utilizing 2 APIs. One is to access decentralized domain repositories, and the other for integration of DNS mirroring protocol, which takes no longer than with any other API integrations.

The decentralized repositories contain over 9 million domains owned by decentralized owners. Sources of these domains are Freename, Unstoppable Domains, and ENS, and 1Web, to name a few.

The DNS mirroring API features seamless integration of web2 and web3 domains. Specifically, web3 domains will be searchable on Google and other mainstream browsers, and web2 domains will function on decentralized servers. Hence, the name 1web

Decentralized Servers

We recognize that decentralized website hosting is not available to the inhabitants of the U.A.E. This is the beauty of the 1Web and 1Site solutions. The population of the UAE can enjoy the 1Web solution on centralized servers, while the decentralized version is reserved for government, military, and royal families; providing unparalleled privacy, security, and control over their digital assets and data through the use of decentralized, IPFS servers.

Unified Digital Identity

The solution provides a friendly, personalized system that grants users ownership over their digital identity, assets, online platform, email, and video chat, all under a unified digital name that spans across web2 and web3. Users can still own their own names, minted on the Polygon or Ethereum blockchains while using centralized servers. The type of hosting plan of the sites they own, and the ownership of their personal digital assets are two entirely different entities. This feature ensures an accessible user experience, encouraging more widespread use of the Digital Dirham and web3 products in tandem.

Web3 Domains

Web3 domains are not merely website addresses but digital assets with immense potential. The UAE can claim a vast portfolio of exclusive TLDs, including culturally significant domains like .Muslim and .Sheikh, geographically specific ones like .dxb and .auh, and exclusive domains for royal families such as .Al-Maktoum. These TLDs offer unparalleled opportunities for branding and monetization. We have also acquired the .mBridge TLD for cross-border use cases.

Our complete list of UAE themed TLDs are as follows:

Economic Model for 1Web UAE:

- **Domain Sales:** Owners of the TLDs can sell the domains for whatever price they want. In most cases, algorithmic pricing can be made available to you through the API. TLD owners can also choose whether domains under their TLDs will have an annual renewal fee, or whether it will be a 1 time charge. All TLDs are currently locked, ensuring a "fresh pasture". TLDs such as those of the Royal Families can remain locked for exclusive distribution to those who are entitled.

- **Service Fees:** All domain registrations incur a $5 minting fee, subdomain registrations are $2. This fee is not charged by us, but rather by the minting house and miners, and they are beyond our control. The API's are provided free of charge to the TDRA / registrars.

- To date, the all-time-high sale price of a single web3 domain was for paradigm.eth, which sold for 420 eth. At the time, that was worth $1.5 million USD.

1Site: Bridging Web2 and Web3

1Site is a text-prompted, AI-powered website builder. It is powered by API, with calls being made to our core technology, 1Web Engine. There is a more complete explanation of 1Web Engine on this whitepaper.

1Site is the component that users will customize as they wish, like any other website. With the UAE's help in spreading this vision to the world, we will implement large-scale use of platforms and systems already in place, and these individual platforms will replace profiles on large platforms, alleviate storage requirements for traditional

Our research indicates that IPFS decentralized hosting is not available to the general population of the UAE. The general public can use 1site platforms on traditional centralized servers, and at the discretion of the powers that be, the government and military can use decentralized servers for enhanced privacy and security. We also have "1Site Lite", which is a landing page, full of web3 features such as wallet connect, that integrates with an existing website.

We are looking for investors / wholesalers to buy 1site in bulk, with hopes that they will be adopted as personal platforms for business and person in the UAE. This is true technological immersion into an environment that we all know is inevitable, and the opportunity for ground-floor opportunity is now!

Currently, web3 sites developed by standard development teams start at $20,000.00 usd for a simple, entry-level site, and they take on average of 2-3 months to develop. More advanced sites commonly reach $200,000.00 each, with an average price of around $45000.00.

All development is completed on 1Site, and we can supply entry level sites for a mere 8 DRH for 100,000 pcs orders and 5 DRH per million pcs. When compared to the current price of web3 platforms, this has remarkable value, and will ensure the inclusivity that the ethos of Web3 was built on. In fact, we currently market 1site in the western markets for $450 each, using a 2-tier affiliate marketing system that pays affiliates $325.00 per sale.

Investors will simply prepay to receive a code for X amount of units, and the code will allow the redemption of sales units until all are fulfilled, according to the size of the order.

Key features include:

- **Full Data Control:** Decentralized users have full control over their data and online presence.

- **Scalability and Customization:** AI-driven interfaces and design options.

- **Educational Resources:** Helps users manage their platforms effectively.

- **Unique Online Identity:** Wallet names for digital transactions, email, and video chat capabilities.

1Web Engine

1Web Engine is the core AI technology, a large neural network with 1,000 multi-agents. It's API provides robust and scalable solutions for integrating Web3 functionalities over all of 1Web's products.

IPFS Hosting

For government, military, and critical infrastructure, IPFS decentralized internet hosting provides unparalleled security, decentralization, and data control.

DNS Mirroring

DNS mirroring APIs create cohesion in digital identity by connecting the decentralized ecosystem with the traditional internet. Key features include:

- **Dual Registration:** Reflects domains across both traditional and blockchain domains.

- **Unified Functionality:** Preserves content and brand integrity.

- **Seamless Interaction:** Operates effectively on both standard web browsers and blockchain-enabled platforms.

- **There is no charge for the API service to the registrars.**

- A full explanation, complete with may FAQ's is available on our info-site at 1web.network.

Digital Names and Ownership on the Polygon Blockchain

The digital names will be registered or minted under one of the 27 TLDs customized for the UAE. Ownership is permanent and securely recorded on the Polygon blockchain.

The Role of TDRA

The Telecommunications and Digital Government Regulatory Authority (TDRA) controls which TLDs registrars can sell domains under. Once approved, APIs are provided to the TDRA, the registrar, or both. These APIs grant access to decentralized domain repositories and integrate with other web3 domain features such as email, video conferencing, digital dirham, and crypto payments.

Investor Benefits

The delay in TDRA's approval and regulation of web3 technologies, while slowing progress, can be seen as an incubation period for investors. This time allows for growing public awareness and potentially influencing the TDRA's direction. Addressing the gap between the digital dirham and web3 domains could unleash the TDRA's potential and clear the path for a digital future, setting a global standard and igniting a worldwide shift towards a tech-advanced world.

Hazards of Domain Acquisition by Bad Actors

A significant risk in the domain ecosystem is the potential for bad actors to acquire critical online names before legitimate users. These bad actors could exploit popular or high-value digital names for malicious purposes, such as phishing attacks, fraud, or other cybercrimes. To mitigate this risk, 1Web incorporates Polygon's processes and monitoring mechanisms to ensure that domain acquisitions are legitimate and secure. The decentralized repository that the API makes accessible to the TDRA and its delegates ensures that there are no domain duplicates. By doing so, we protect the integrity of the digital dirham system and the broader web3 environment.

The Internet's History, and the Lessons Learned:

There's a saying that the past always gives us a glimpse into the future.

- The internet, or "arpa-net" as it was called at the time, was born in 1969. Between 1969 and 1985, there were no domain names. Only user I.P. addresses were used. It took this time period of 16 years to grow the internet by only 2000 users.
- In 1985, the host.exe system was phased in. This was the beginning of .com domain names, but users had to apply to Darpa, a department of the United States military, to be approved for one.

Despite the inconvenience, in the 8 years between 1985 and 1993, internet usage rose from 2000 users to 1 million!

- 1993 introduced IntraNIC, a new, easy system for buying domains that was the model we have refined to current day. In just 2 short years between 1993 to 1995, internet use exploded to 23 million users! This represented 4% of the world's population at the time.
- From 1995 to 2001, internet use ballooned to 500 million, and today it stands at a staggering 5 point 4 billion users! That's roughly 67% of the world's population!

Granted, many factors have contributed to the dynamic growth of the internet since 1985, but we can all agree that the first big jump in usage was largely attributed to convenient domain registration.

Consider this:

- Right now, we are at a point in time that easily parallels 1993, and the introduction of IntraNIC. IntraNIC offered easy domain registration, marking the end to a period in time beginning in 1985 that domain registration was cumbersome.
- For the last 6 years, users have had to travel an unfamiliar path to acquire web3 domain names within the web3 environment. But those are only the people who are willing to go to unfamiliar territory to do so. Much like the period between 1985 and 1993, when domains had to be manually applied for thru Darpa.
- Once domain registrars to begin to register web3 domains within familiar internet territory, this can be easily compared to what happened in 1993 with the introduction of IntraNIC when the following 2 years saw internet use explode from 1 million to 23 million! So, what do u think the growth rate will hit? It's hard to say for sure, but one thing is certain: right now, the U A E has a ground floor opportunity that is available right now, and must be capitalized on while the rest of the world sits on their hands!

Conclusion

1Web offers a comprehensive suite of digital utilities that can be tailored for national use, in this case, supporting the UAE's digital transformation. By integrating web3 technologies, we aim to ensure the widespread adoption of the Digital Dirham, enhancing security and operational efficiency for government and military applications, and offering a seamless, user-friendly digital experience for all inhabitants of the UAE. The UAE has the unique opportunity to lead the world in digital innovation, solidifying its place in history as a pioneer in the digital era.