Intelligent Platform as a Service (PaaS) solutions -**Mobile Virtual Network Operators (MVNOs)** 革新的智能平台即服務 (PaaS) 解決方案 -移動虛擬網絡運營商 (MVNOs)

Multibyte Info Technology Limited 博元訊息科技有限公司

How PaaS enables highly interactive in Metaverse?

The metaverse can be simply understood as developing the 2nd" Virtual Parallel Worlds or Spacetimes" in the human world. People can work, socialize, and play through virtual identities. A lot of new applications can be regarded as a core in the metaverse because anything that happens on the Internet requires ultra-fast and reliable network support to connect the virtual communities living in it. To use an analogy from the movies, if Web 1.0 represented the black-and-white movie era, Web 2.0 would be the age of color/basic 3D, while Web 3.0 would be immersive experiences in the metaverse. Web 3.0 has the potential to provide users with far greater utility, going well beyond the social media, streaming, and online shopping that comprise the majority of Web 2.0 applications consumers use.

Web 2.0 and Web 3.0 are consistent technologies with a common background, but they solve their problems in different ways. The main difference can be described as the fact that Web 2.0 aims to read and write content, and Web 3.0 at the essence - *Semantic Web. Mobile Virtual Network operators (MVNOs) that provide network resources and transmission services are sufficient to become an aggregator from Web 2.0 to Web 3.0, with the next generation IP network deployments gaining globally, we are seen as partners in growth and innovation by operators. Regarding the introduction of digitization, Multibyte Info Technology Limited ("MB") has been ready to transform ourselves into a "Digital MVNO", we have been rolling out the multiple managed services to create a digital experience for their digitally tech-savvy customers and differentiate in a saturated market and become profitable:

如何利用 PaaS 在元宇宙實現互動互連?

元宇宙可以簡單理解為在人類世界中發展第二個"虛擬平行世 界或時空"。人們可以通過虛擬身份工作、社交和娛樂。許多新 的應用程式可以被視為元宇宙中的核心,因為在虛擬社區發生 的任何事情都倚賴超快速的網絡互聯, 所以可靠的網絡支持不 可或缺。用電影類比法,如果 Web 1.0 代表黑白電影時代,那 麼 Web 2.0 將是彩色 / 基本 3D 的時代, 而 Web 3.0 將是虛 擬世界中的沉浸式體驗。 Web 3.0 有潛力為用戶提供更大的效 用, 遠遠超出了構成消費者使用的大多數 Web 2.0 應用程式的 社交媒體、流媒體和在線購物體驗。

Web 2.0 和 Web 3.0 是具有共同背景的技術,但它們解決問題 的方式不同。主要區別可以說 Web 2.0 之目的是在於內容的讀 與寫, 而 Web 3.0 呈現的則是內容的實現 * 語義網互聯。提供 網絡資源和傳輸服務的移動虛擬網絡運營商 ("MVNO 虛商") 足以成為從 Web 2.0 到 Web 3.0 的助燃器, 隨著下一代 IP 網絡部署在全球範圍內進一步普及,移動網絡運營商(MNO) 被視為增長和創新的合作夥伴。關於數字化的引入,Multibyte Info Technology Limited ("MB 博元訊息") 已逐步轉型為嶄 新服務的「數字多元虛商」,我們一直在推出多項數字化平臺服 務,為客戶創造高端的多元數字化體驗,在一個近乎飽和的市場 脱穎而出並開始盈利:

^{*} The Semantic Web, sometimes known as Web 3.0, is an extension of the World Wide Web through standards set by the World Wide Web Consortium (W3C)

^{*} 語義網不同於現在 WWW (W3C),現有的 WWW 是面向文檔而語義網則面向文檔所表示的數據,而語義網更重視於計算機 "理解與處理",並且具有一定的判斷、推理能力。 語義網的實現意味著當時會存在一大批與語義網相互依賴的智慧型個體(程式),廣泛的存在於計算機、通訊工具、電器等等物品上,他們組合形成環繞人類生存的初級智慧 型網路。

FEATURE ARTICLES 專題文章

Integrated CRM

Our integrated CRM platform helps the partners to manage & track campaigns & leads. We support our partners to meet the unique commerce requirements and address the complexities involved in deploying a fully integrated omni-channel online strategy for their customers.

Multi-Tenancy

Our platform enables MVNE to onboard multiple MNOs on the same platform, with multi-tenancy features - supporting personalization and customized branding services to every tenant with easily integrate through open APIs.

Data Integrity and Security

Our platform enables our partners with data integrity and security between the tenants using the same platform. With stringent rules, we can provide a digital experience that meets the needs of the Web 3.0 segment - decentralized naming service, digital identity, wallet, chat... etc.

集成的客戶關係管理

我們的集成 CRM 平臺可幫助合作夥伴管理和跟蹤市場營銷活 動和潛在客戶。我們能滿足客戶的獨特商業需求,為客戶部署及 創建完整的集成在線應用方案 。

獨立帳戶管理

我們的平臺使 MVNE 合作夥伴能夠在同一平臺上接入多個網 絡運營商的資源,並具有多租戶功能 - 通過開放 API 集成,支 持為每個租戶提供個性化和定製品牌服務。

數據完整性和安全性

我們的平臺使我們的合作夥伴能夠在使用同一平臺的租戶之間 實現數據完整性和安全性。通過嚴格的規則,我們可以提供滿足 Web 3.0 細分市場需求的區塊鏈數字化體驗 - 去中心化域名服 務、免費數字身份、加密錢包、虛擬聊天功能……等。

Our Solutions

(a) Managed Services:



MVNE

A white label solution to enable enterprise to offer mobile services to their customers under their own brands.



Campaign management

Provide SMS user journey, notifications, marketing services for enterprises.



IOT

To provide a one-stop, end-to-end mobile solutions to connect devices to internet including the use of SIM technology, connectivity, monitoring and management reporting.



Multimedia CS center

MB operates a call center in Guangzhou offering professional customer support in inbound and outbound telemarketing.



Customer Service Management

The customer service management module offers customer service agents (CSA), easier and faster access to information such as purchases, plans, eligible offers, usage, and payment history for quick understanding and resolution of customer requests. Our plug-and-play chatbot solution is helping to drastically reduce customer service costs.

MVNO can roll out multiple digital services to create digital experience easily

Web 3.0 represents the next iteration or phase of the evolution of the Web/internet. It will be disruptive and represents as big a paradigm shift as Web 2.0 did. Web 3.0 is built upon the core concepts of decentralization, openness, and greater user utility.

MB is reshaping the industry with its Platform-as-a-Service ("PaaS") platform with its multi-generational, cloud-native, end-to-end software that is reducing complexity, de-risking digital transformation and rapidly modernizing networks. We are the trusted partner to customers around the globe, who are transforming the way the world connects.

Our PaaS Platform managed services bring limitless opportunities to deliver a digital experience to customers. Through our Managed Service which uses a proven Microservices, API-first, Cloud-Native, our customers (such as: development house/ system integrator companies) can set up solutions quickly, go to market even faster, deliver rich customer experiences, and disrupt the competition with this future-proof technology. Seamless integration with MNOs and third-party vendors, our customers can easily integrate with any MNO or third-party vendors and utilize valuable industry consultation and speeding both times to market and times to revenue.

客戶服務管理

客戶服務管理模塊為客戶服務經理 (CSA) 提供更輕鬆、更快速 的信息訪問,例如購買、計劃、合格優惠、使用情況和付款歷史 記錄,以便快速了解和解決客戶請求。我們的即插即用聊天機器 人解決方案有助於大幅降低客戶服務成本。

MVNO 可推出多元數字服務, 輕鬆為客戶打造 數字體驗

Web 3.0 代表了 Web/ 互聯網發展的下一個新里程。這將是顛 覆性的,代表著與 Web 2.0 一樣大的規範轉變。 Web 3.0 建 立在去中心化、開放性和更大用戶效用的核心概念之上。

MB 博元訊息正在通過其平臺即服務("PaaS")重塑行業, PaaS 平臺託管服務為向客戶提供數字體驗帶來了無限機會。通 過我們使用經過驗證的微服務、API 對接、雲原生的託管服務, 我們的客戶(例如:應用開發公司/系統整合商)可以快速設置 解決方案、更快地進入市場、提供豐富的客戶體驗。透過 MVNO 虚商的獨特優勢,我們的客戶可以輕鬆與任何 MNO 移動網絡 運營商或第三方供應商集成,並利用寶貴的行業諮詢並加快產 品上市時間和收入時間。

Our Achievements

Being is a startup company. It has accomplished things that few other companies have done within such a relative short period of time. Its vision of "Anyone can be a MVNO" is based on its premises that:

- It acquires all necessary Telecom licenses in Greater Bay Area.
- 3 It delivers a suite of breakthrough communication solutions for individuals and enterprise customers.
- It builds a comprehensive, robust PaaS infrastructure platform leverages its extensive network of relationship and experience.
 - It transforms and improves customer experience via a series of digital transformation of organization.

Bridging the missing link between Web 2.0 and Web 3.0

Venturing further into the broader Web 3.0 ecosystem of fully decentralized interoperable apps and networks is a challenge. Customers cannot be expected to immediately make the leap from a familiar centralized experience into the deep end of decentralization in one step. The future of massmarket crypto, NFT, Cross-chain bridges and dApp experiences lies within apps that provide familiar, custodial experiences with the ability to graduate into non-custodial experiences. MB with its PaaS Platform will assist the customer to establish a user journey that introduces their users to a new digital experience while leveraging the familiar Web 2.0 constructs.

Advanced technologies to establish the ecosystem

MB has a vision - "Anyone can be a MVNO". Our PaaS platform enables any MVNOs and enterprise customers by providing mobile & managed services without their need of knowledge and ownership of the mobile technologies. Hong Kong's mobile communications market is highly competitive, MB is building its infrastructure beyond the traditional mobile services to a Cloud-based PaaS platform enabling connectivity and providing a suite of mobile applications to individuals and enterprise customers.

Our Commitment

- We play a System Integrator Role, so that you can focus on core business
- We deploy dedicated teams to support your business priority
- We honor our commitments and will ramp up resources if required
- We provide T1 Telco and communications consulting whenever is needed
- · We secure your systems and all aspects of every solution

彌合 Web 2.0 和 Web 3.0 之間缺失的鏈接

進一步涉足由完全分散的可互操作應用程序和網絡組成的更廣 泛的 Web 3.0 生態系統是一項挑戰。不能指望客戶會立即從 熟悉的集中式體驗一步跨入去中心化的深層次。大眾市場如加密 貨幣、NFT、跨鏈橋和 dApp 體驗是未來在於提供熟悉的託管 體驗並能夠成功進入非託管體驗的應用程序。MB博元訊息及 其 PaaS 平臺將幫助客戶合作夥伴,利用一些他們熟悉的 Web 2.0 結構,在 Web 3.0 環境建立用戶旅程,向他們的用戶介紹 新的數字化體驗。

建立完善的生態系統

MB博元訊息有一個願景——"任何人都可以成為 MVNO 虛商"。 我們的 PaaS 平臺通過提供移動和託管服務來支持任何企業客 戶,他們無需了解和擁有移動技術背景,也可以透過虛商平臺的 優勢來滿足業務需求。香港的移動通訊市場競爭激烈, MB 博元 訊息正在將其基礎設施從傳統的移動服務設施建設為基於雲的 平臺即服務,以實現連接並為個人和企業客戶提供全套的移動 應用程式。

我們的承諾

- 我們扮演系統集成商的角色,讓您專注於核心業務
- 我們部署專門的團隊來支持您的業務優先級別
- 我們信守承諾,如有需要將增加資源
- 我們隨時提供 T1 Telco 和通信諮詢
- 我們保護您的系統和每個解決方案的各個方面

MB will support our customers going into the Metaverse by enhancing our PaaS platform with additional suites of augmented reality, virtual reality applications, and thereby further unlocking the value of our network and managed services. Metaverse is disruptive and it will create enormous business potential and revenue growth opportunities for organizations who embrace it. Together with our customers, we will further enhance the value of what 5G technology could bring in creating smarter cities and enriching our lives in a way that we have never experienced before. &

MB 博元訊息將通過我們的 PaaS 平臺優勢來增強現實和虛擬 現實的應用程式來引領我們的客戶進入元宇宙,從而進一步實現 我們的網絡和託管服務的互動互連價值。元宇宙具有顛覆性,它 將創造巨大的商業潛力,為應用它的組織提供收入增長機會。我 們將與客戶一起,進一步利用 5G 技術帶來的價值,以前所未有 的方式創建更智能的城市並豐富我們的生活。%

Our Infrastructures





