

HashCash in Gaming

Gaming is now more Exciting with HC Net Blockchain

HashCash Consultants

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HashCash Gaming

AN OVERVIEW – CURRENT GAMING INDUSTRY

The computer and video game industry has grown from focused markets to mainstream. They took in about US \$9.5 billion in the US in 2007, 11.7 billion in 2008, and 25.1 billion in 2010.

The international games industry will hit an astronomical \$108.9 billion in 2017, and continue to grow to \$128.5 billion by 2020, market analyst firm predicts.



The analyst firm says that mobile is by far the most lucrative segment in global gaming, and is projected to make up more than half of the games market by 2020. In 2017, mobile gaming (smartphone and tablets) is expected to hit \$46.1 billion, or 42% of all revenues. This represents a 19.3% year-over-year increase. As mobile is digital-only, it's one of the major prime movers for the digital sector, and crosses over between full game downloads and ingame purchases. Global Games Market Report delivers some fascinating and mind-blowing predictions for the games industry, especially for mobile gaming. According to the report, 2.2 billion gamers are expected to a staggering \$108.9 billion in games market revenues in 2017 alone, which represents a year-over-year increase of 7.8% (or \$7.8 billion). The report also forecasts that digital will account for 87% of total revenues, or \$94.4 billion, but remember that digital includes all facets of digital gaming--not just game sales: subscriptions and subscription-based services, freemium mobile games, full game downloads across all platforms (PSN, Xbox LIVE, Steam, GoG, etc), and other content.



CURRENT GAMING ARCHITECTURE

Online play comes in several forms, such as session-based multiplayer matches, massively multiplayer virtual worlds, and intertwined single-player experiences.

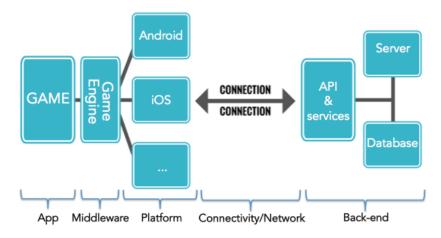


Fig 1: Gaming Applications Architecture

In the past, games using a client-server model required the purchase and maintenance of dedicated on-premises or co-located servers to run the online infrastructure, something only large studios and publishers could afford. In addition, extensive projections and capacity planning were required to meet customer demand without overspending on fixed hardware. With today's cloud-based compute resources, game developers and publishers of any size can request and receive any resources on demand, helping to avoid costly up-front monetary outlays and the dangers of over or under provisioning hardware.

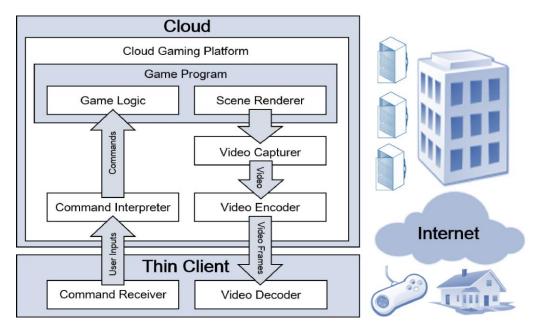


Fig 2: Cloud Based Gaming Applications Architecture



INTRODUCTION TO BLOCKCHAIN

Blockchain technology, also known as distributed ledgers, has a number of potential use cases within the wealth and asset management life cycle. Distributed ledgers are highly flexible; once implemented, they can be used to remove friction from the client onboarding process, streamline management of model portfolios, speed the clearing and settlement of trades, and ease compliance burdens associated with anti-money laundering (AML) and know your customer. The result is elimination of redundant functions, reduced operational expenses and increased opportunities to enhance the client experience. While blockchain technology is unlikely to replace current systems, it may be used to reconcile information across them or enable new infrastructure for new markets and products. By extension, these concepts can expand to broader applications, such as rollovers, trusts, estates, gaming, wealth & asset management, insurance and other transactions where assets are moved between parties or contracts are executed. A distributed ledger supports the validation and execution of a transaction in near real time. The client experience is enhanced and the process streamlined, and costs are reduced.



BLOCKCHAIN IN GAMING

The collision of blockchain technology and gaming holds great promise for the growth of both industries. Innovations in the budding field of blockchain gaming have pushed the limits of non-fungible assets and are poised to keep supplying novel developments in other areas like scalability.

Gamers were some of the early adopters of cryptocurrencies as they were already familiar with many in-game virtual currency models and saw the benefits of integrating cryptocurrency networks into the domain. The eSports industry is booming, and it is only a matter of time before its rise is meaningfully coupled with cryptocurrency payment systems and decentralized models.

DRIVING FACTORS





HASHCASH STRIKERS – WHITE LABEL BLOCKCHAIN NETWORK IN LINE WITH HC NET

A ledger that drives the immutability, trust and transaction capability between the gaming platforms, the gamingExchange and the gamingWallet. The blockchain network tracks the movement of the native gamingTokens within the gaming ecosystem. The choice to use public blockchain technology for the ecosystem player interface and an "off-chain" technology choice for the gaming platform interface is based primarily on the need for higher transaction speeds in the backend processes.

USE CASE: DECENTRALIZED GAMING PLATFORM & OWN CRYPTO-COLLECTIBLES

HURDLES

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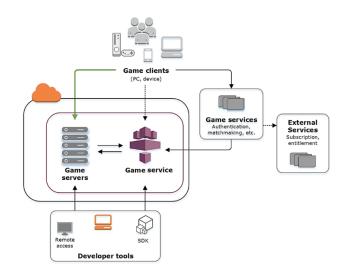
- With the emergence and trend of VR, AR, A.I., and smart technology, the dependency on new gaming consoles are also emerging. Thus it becomes challenging for gamers to keep on upgrading their gaming consoles with match to the gaming specifications.
- Oversaturated Market for Gamers, Developers and the Content providers because of centralized ecosystem is hampering the functional, economical & social value of gaming industry.
- Lack of incentivization or disproportionate rewarding mechanism for gamers resulting in reduced engagement.
- Lack of accessibility for gamers due to lack of universal index or recommendation generator of games.

THE ULTIMATE ENCOUNTERS

Setting up dedicated cloud infrastructure for gamers to experience boundless arena of games.

It will provide with the universal index of games that gamers would prefer to play. It will also minimize the overwhelmingly stressful thought of gamers over the gaming console or other hardware dependencies that reduces the level of gamer's participation in the gaming platform.

- * HashCash assists in setting up the cloud infrastructure for Gaming Providers.
- HashCash assists in setting up security configurations such as IAM, ports routing, IP Tracking, DDoS & Malware protection, Wallet Security using AES 256 & Md5 encryption standard & SSL Configuration.



✓ Setting up of Decentralized Gaming Ecosystem for Gamers to participate

- * Assisting in setting up blockchain network in line with HC NET
- Assisting in setting up blockchain network node. The blockchain core is compatible with other leading blockchain networks. Thus supporting other coins and ERC tokens to be easily integrated with the network.
- Setting up the blockchain wallet
- Setting up compliance server for managing KYC details.
- Assisting up API layer for blockchain network to integrate with the gaming platform.
- Creating Network performance dashboard for monitoring the performance of the blockchain nodes.
- Creating blockchain IO for monitoring the transactions ledger.

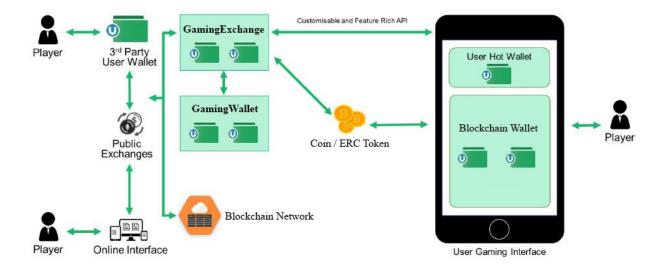
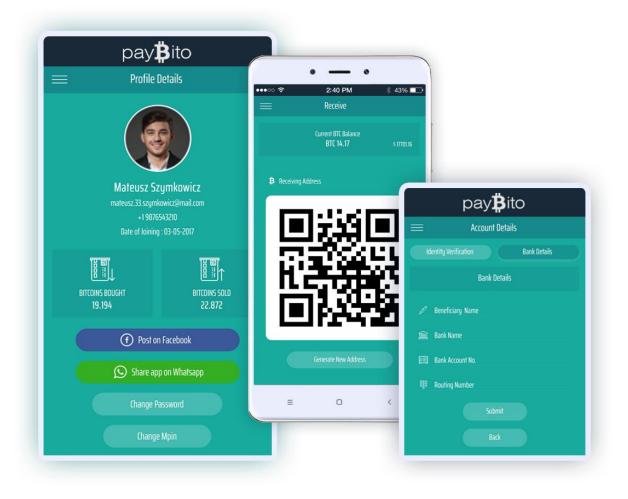


Fig 3: Gaming System Architecture

✓ Create / Integrate your Gaming Token

- Create the native digital asset on the blockchain or integrate your created ERC token on the network
- Create root account or integrate the contract's owner account with the blockchain wallet
- Flush root accounts with initial number of coins / tokens in wallet
- Exposing API's for Sending and Receiving Coin / Token



🗸 ICO

- * Integrating the web-wallet with the blockchain wallet for coin distribution
- Creating Referals and Promotional programs for ICO distribution
- Assisting in dissemination of coins / tokens to ICO participants
- Assisting in listing of coins / tokens in leading & affiliate exchanges

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✓ Gaming Exchange & Integration with Gaming Platform

- Setting up the white label gaming exchange
- Pairing with base currency like Fiat (USD) or Crypto (BTC / ETH / Crypto of choice) for coin / token to trade.
- Setting up features like Market, Limit, Stop Orders, Margin for placing orders and increasing the volume of trade.
- Setting up of Admin Console to manage gamers, developers and other stakeholders
- Setting up Multiple Access Control levels for Admin console
- Setting up Admin Panel for managing & creating trading pairs
- Setting up incentivization and reward modules for gamers.
- Exposing exchange API's for integrating with the Gaming Platform

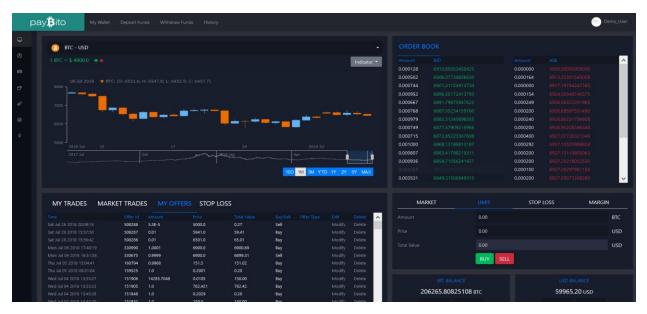
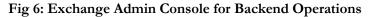


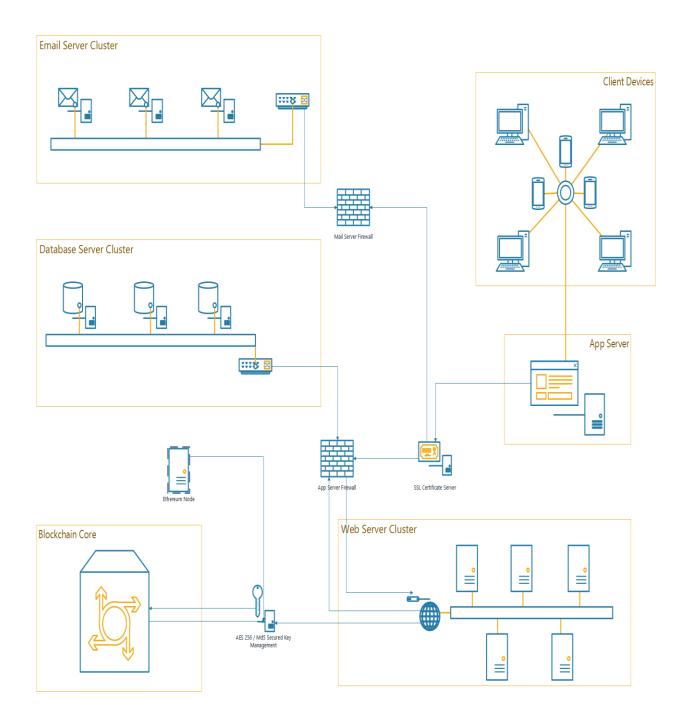
Fig 5: White Label Exchange for Gaming

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STRATEGY – The Network Playground





Scoreboard!!



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