

Cash-Out Availability

Challenges of offering cash-out availability and Huddle's unique approach

A Case Study of Huddle
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INTRODUCTION

The **HuddleOS Odds Feed** comprises a consolidated markets feed encompassing various categories:

- 1. Cores and Derivatives:** Standard markets such as moneylines, spreads, and totals, along with their derivatives.
- 2. Micros:** Markets characterized by a brief betting period, typically associated with a single play in the game.
- 3. Player Props:** Markets linked to player statistics during the course of the game.

The establishment of cash-out prices stands as a foundational element within all markets facilitated by **HuddleOS**. The system monitors previously offered markets continuously, evaluating whether it is appropriate to furnish a cash-out price in accordance with the prevailing conditions and regulations governing the game.

What is cash-out?

Cash-out, an instrumental feature provided by online sportsbooks, empowers bettors with the ability to settle their wagers before the culmination of the event on which they have placed bets. This functionality transcends mere speculation, offering a pragmatic avenue for risk management and financial optimization within the realm of sports betting. The essence of cash-out lies in its capacity to afford bettors the opportunity to either secure profits or curtail potential losses based on the prevailing circumstances of the event and the fluctuating odds. By proactively engaging with cash-out options, individuals can exercise an increased level of control over their betting portfolios, making strategic decisions that align with their desired risk tolerance and financial objectives. Whether opting for a full cash-out, which entails settling the entire bet before the event's conclusion, or leveraging partial cash-out to lock in a portion of potential winnings while retaining a stake in the outcome, bettors can navigate the intricate landscape of sports wagering with enhanced foresight and agency. Additionally, the advent of auto cash-out mechanisms automates this process, further streamlining decision-making and bolstering bettor confidence. In essence, cash-out transcends its simplistic definition to embody a sophisticated tool for informed decision-making and financial prudence in the dynamic world of sports betting.

CHALLENGES OF OFFERING CASH OUT

In the realm of business-to-business (B2B) odds provision, several significant obstacles emerge when generating cash-out prices through platforms like HuddleOS.

In navigating these obstacles, platforms like HuddleOS must leverage a combination of technological innovation, industry expertise, and client collaboration to deliver robust and reliable cash-out pricing solutions in the dynamic landscape of sports betting. By addressing the challenges inherent in generating cash-out prices in the B2B space, the platform can position itself as a trusted partner for sportsbooks and gaming operators seeking to enhance their offering and drive growth in an increasingly competitive market environment.

Tracking the offering

One pivotal challenge involves the comprehensive tracking of previously offered markets to ensure the seamless provision of updated prices. This necessitates a robust system capable of efficiently cataloging past market offerings to inform subsequent pricing iterations. Each market represents a unique configuration of variables, including game type, teams or players involved, and betting options available. Consequently, the system must accurately record these details to maintain a comprehensive database of historical markets. Without accurate tracking, the system may struggle to generate timely and accurate cash-out prices, potentially undermining the reliability and effectiveness of the service.

Data model

Additionally, integrating cash-out price availability into the existing odds feed data schema poses a considerable hurdle. The odds feed serves as the backbone of the platform, delivering real-time betting odds and market information to clients. Any modification or addition to this schema must be executed with precision to avoid disrupting the flow of data and compromising the integrity of the platform. This entails careful alignment with existing data structures and protocols to ensure seamless integration. Moreover, compatibility with various data formats and transmission protocols adds further complexity to the integration process. By seamlessly incorporating cash-out price availability into the existing data schema, the platform can enhance its value proposition and provide clients with a more comprehensive suite of betting options.

Real-time processing

Furthermore, the continuous monitoring of game states to determine the appropriateness of offering a cash-out price presents a complex challenge. This task requires the development of sophisticated algorithms capable of dynamically assessing various factors, such as game dynamics, player performance, and market conditions, to inform real-time pricing decisions. The system must continuously analyze incoming data streams, including live game statistics, betting trends, and market fluctuations, to identify opportune moments for offering cash-out options. This dynamic process demands a high degree of computational power and analytical prowess to deliver accurate and timely pricing updates. Moreover, the system must be agile enough to adapt to rapidly changing game situations and market dynamics, ensuring that cash-out prices reflect the most current information available.

Customisation

Moreover, customizability emerges as a crucial consideration, as different customers may have distinct preferences and requirements regarding cash-out functionality. While some clients may prioritize maximizing profits, others may prioritize minimizing losses or maintaining a balance between risk and reward. Consequently, implementing a configurable system that caters to the diverse needs of clientele is essential for ensuring widespread adoption and satisfaction. This entails providing clients with the flexibility to customize cash-out parameters, such as thresholds, triggers, and pricing algorithms, to align with their specific betting strategies and objectives. By empowering clients to tailor cash-out functionality to their unique preferences, the platform can enhance user engagement and satisfaction, driving long-term success and profitability.

Single Game Parlay

Offering a cash-out price for a Single Game Parlay (SGP) bet introduces additional complexities and challenges for odds providers like HuddleOS. Unlike traditional single bets or even standard parlays, SGP bets involve multiple correlated wagers within a single game, amplifying the intricacies of pricing and risk management. The correlation between different legs of the SGP introduces nuances that must be carefully accounted for when determining cash-out prices. Factors such as player performance, game dynamics, and the interplay between various outcomes become integral considerations in assessing the probability and potential value of a cash-out offer. Moreover, the dynamic nature of SGP bets, where the outcome of one wager can significantly impact the likelihood of success in others, adds layers of uncertainty to the cash-out pricing process. As such, effectively pricing cash-out options for SGP bets requires sophisticated algorithms capable of analyzing complex correlations and swiftly adjusting to evolving game scenarios in real-time. By addressing these challenges, odds providers can enhance the user experience and provide SGP bettors with valuable tools for managing risk and maximizing returns in the dynamic world of sports betting.

Lastly, the ability to manually intervene in cases where traders disagree with the simulation model output adds another layer of complexity. While automated algorithms play a crucial role in generating cash-out prices, human judgment remains indispensable in certain situations. Traders possess valuable insights and expertise that algorithms may lack, enabling them to make informed decisions based on nuanced market conditions and contextual factors. Consequently, the platform must provide traders with the ability to override automated decisions when deemed necessary, striking a delicate balance between automation and human judgment. This may involve implementing user-friendly interfaces and decision support tools that facilitate efficient communication and collaboration between traders and the automated system. By leveraging the complementary strengths of automated algorithms and human expertise, the platform can enhance the accuracy and effectiveness of its cash-out pricing solutions, ultimately driving greater value for clients and stakeholders.

Betslip (3) ^

SELECTIONS 🗑️ Clear betslip

Cleveland Cavaliers
Moneyline
×

Cleveland Cavaliers 2 Points
Next Field Goal Type Exact After Score ...
×

Over 18.5
PP-T0-T-P Cleveland Cavaliers Darius G...
×

Probability	9.87%
Total price	+650

Cash-Out calculator

Betslip (3) ^

SELECTIONS 🗑️ Clear betslip

Cleveland Cavaliers
Moneyline
×

Cleveland Cavaliers 2 Points
Next Field Goal Type Exact After Score ...
×

Over 18.5
∨

Probability	9.87%
Total price	7.70

Cash-Out calculator

Input Stake and Price values to simulate Cash-Out from a previously placed bet on the legs currently in your betslip.

STAKE OF PREVIOUS BET	PRICE OF PREVIOUS BET
\$ <input style="width: 80%; border: none; border-bottom: 1px solid #ccc;" type="text" value="100"/>	<input style="width: 80%; border: none; border-bottom: 1px solid #ccc;" type="text" value="8"/>
Cash-Out value	\$ 65.14

Calculate

Source: Huddle Demo; SGP Bet Slip showcasing cashout availability option

HUDDLE'S UNIQUE APPROACH

Latency

Ensuring minimal pricing latency is a fundamental priority for HuddleOS, encompassing not only the swift pricing of markets but also the timely provision of cash-out prices. The platform dedicates significant resources to optimize its systems, recognizing the critical importance of swiftly pricing markets, particularly in the fast-paced environment of sports betting. This urgency becomes even more pronounced with Micro Markets, where the window of availability is notably brief. Leveraging modern technological solutions, HuddleOS processes data swiftly, enabling clients to receive timely updates crucial for making informed betting decisions. By prioritizing the reduction of latency for both market pricing and cash-out options, HuddleOS enhances the overall user experience, ensuring that clients have access to up-to-date pricing information precisely when they need it most. This commitment not only fosters trust and reliability but also empowers clients to react swiftly to market movements and capitalize on emerging opportunities in the ever-evolving landscape of sports betting.

Models

At the heart of HuddleOS's cash-out pricing lies a suite of sophisticated simulation models. Developed meticulously for each sport under analysis, these models exemplify Huddle's dedication to precision and adaptability in sports forecasting. Utilizing Monte Carlo simulations for their robustness and capacity to provide detailed probabilistic forecasts, these models excel in simulating a broad spectrum of outcomes. They incorporate real-time data, including game states, player performance, and external factors, to assess market dynamics accurately. By constantly evaluating various variables, these simulation models ensure maximum accuracy in pricing cash-out options, empowering clients to make informed betting decisions in the dynamic world of sports betting.

Reactive platform

To enable real-time cash-out pricing, HuddleOS adopted a reactive platform architecture designed for horizontal scalability as the platform grows. This approach combines stream processing frameworks with low-latency message brokers like Kafka and in-memory data stores such as Redis. Stream processing frameworks enable instant analysis and response to incoming data streams, while Kafka ensures reliable data transmission between platform components. Redis serves as a high-speed cache, storing frequently accessed data for rapid retrieval and processing. This strategic integration of technologies allows HuddleOS to swiftly process incoming data and deliver timely cash-out prices, meeting the demands of a dynamic sports betting market. By leveraging this architecture, HuddleOS ensures clients receive up-to-date pricing information promptly, enhancing their overall user experience and enabling effective risk management in the fast-paced world of sports betting.

Cash-out Rules

To facilitate the enabling or disabling cash-out functionality, HuddleOS devised a specific set of rules tailored for each market. These rules are evaluated in real time for each market that remains unsettled, combining game-specific regulations with risk management criteria. The ruleset encompasses a range of factors, including game dynamics, player performance, and external variables, to determine the appropriateness of offering cash-out options. Moreover, these rules are customizable to accommodate different customer strategies and preferences. Some customers may prioritize risk aversion, opting for more conservative rulesets that limit cash-out availability in high-risk scenarios. Conversely, others may prioritize uptime and flexibility, preferring rulesets that allow for broader cash-out availability across various market conditions. By tailoring the ruleset to individual customer requirements, **HuddleOS ensures flexibility and responsiveness in cash-out functionality, empowering clients to manage risk effectively and align their betting strategies with their specific goals and preferences.**

CONCLUSION

In conclusion, HuddleOS represents a significant advancement in the sports betting industry, offering a comprehensive suite of features aimed at enhancing both operator performance and bettor engagement. The paper delves into several key aspects that underscore the platform's innovative approach and commitment to excellence.

One notable highlight is the introduction of cash-out functionality, which revolutionizes the sports betting experience by providing bettors with unprecedented control over their wagers. Through a meticulous combination of game rules and risk management criteria, HuddleOS enables real-time evaluation of cash-out options across various market categories, including Cores and Derivatives, Micros, and Player Props. This feature empowers bettors to strategically manage their positions, whether by securing profits, minimizing losses, or optimizing returns, thereby enhancing overall user satisfaction and engagement.

The paper also emphasizes the challenges inherent in offering cash-out functionality, particularly in the context of business-to-business (B2B) odds provision. From tracking previously offered markets to integrating cash-out price availability into existing data schemas, HuddleOS navigates a complex landscape of technological and logistical hurdles. Customizability emerges as a crucial consideration, allowing the platform to tailor cash-out functionality to the diverse needs and preferences of individual clients. Additionally, the platform's ability to offer cash-out prices for Single Game Parlay (SGP) demonstrates its versatility and adaptability in addressing unique market demands.

Furthermore, HuddleOS's commitment to minimizing pricing latency underscores its dedication to providing timely and accurate market data. Leveraging sophisticated simulation models and a reactive platform architecture, the platform ensures swift processing of incoming data streams, enabling bettors to access up-to-date pricing information precisely when they need it most. By prioritizing latency reduction, HuddleOS enhances user experience and facilitates informed decision-making in the fast-paced environment of sports betting.

In conclusion, HuddleOS represents a cutting-edge solution for operators seeking to enhance their sports betting offerings and optimize user engagement. Through its innovative features, customizable solutions, and commitment to technological excellence, HuddleOS is poised to shape the future of the sports betting industry, driving growth and success for its clients and stakeholders alike.