



A Fiat On / Off Ramp Infrastructure for Mass Adoption of Cryptocurrency

The Emparta Stablecoin infrastructure allows payments platforms, dapps and exchanges to use its API to seamlessly incorporate the minting of stablecoins with fiat deposits.

- 100% fiat-backed and redeemable to enable adoption of crypto in commercial transactions
- Fiat on-ramp for dapps to broaden markets and encourage adoption
- Stable unit of account for smart contract escrow in dapps and payments systems

A stable unit of account is critical for the mass adoption of cryptocurrency. Presently, adoption of cryptocurrency for day to day transactions remains comparatively low. Whilst transaction speeds and efficiency continue to improve, price volatility acts as a disincentive for those seeking to use cryptocurrency as a means of reliable and stable commerce. Emparta solves this problem by offering stability in the local currency backed by a compliant, transparent, audited and redeemable treasury.

The Emparta Stablecoin Infrastructure

Emparta delivers an infrastructure that can be easily incorporated by partner platforms (decentralized applications (dapps), payments systems, exchanges etc.) as a seamless fiat on and off ramp that can convert fiat collateral from a user or partner platform into newly minted stablecoins that are automatically sent to a wallet or a smart contract. This functionality is accessed via an API which executes the functions of the Emparta Treasury infrastructure which is responsible for minting stablecoins from fiat deposits as well as processing fiat redemptions on-demand. The Treasury Infrastructure can be launched in any jurisdiction and mint coins backed by any fiat currency in the world.

This approach opens the door to many different use cases that are integral to enabling broad-scale adoption of cryptocurrency and blockchain technologies (i.e. dapps). Enabling platforms to utilize the Emparta Treasury infrastructure to support these use cases will create demand from many different parts of the economy.

Many use cases and markets

The Emparta Stablecoin API allows partner platforms to easily incorporate a stable digital currency into their processes and service offerings while preserving the benefits and efficiencies of cryptocurrency.

Digital Currency Exchanges

Stablecoins are not new to cryptocurrency exchanges. They are very popular amongst cryptocurrency traders – seeking to manage their exposure to risk and volatility – and are a driver of transaction volume on exchanges. Further to this, the ability for exchanges to offer a stablecoin as a payment method removes the need for exchanges to accept fiat deposits directly and can significantly improve settlement timeframes. A stablecoin also allows users to move fiat denominated deposits between exchanges instantaneously.



Exchanges will also be able to offer users other functionality and services that use the Emparta Treasury infrastructure to attract more users and increase trading volumes.

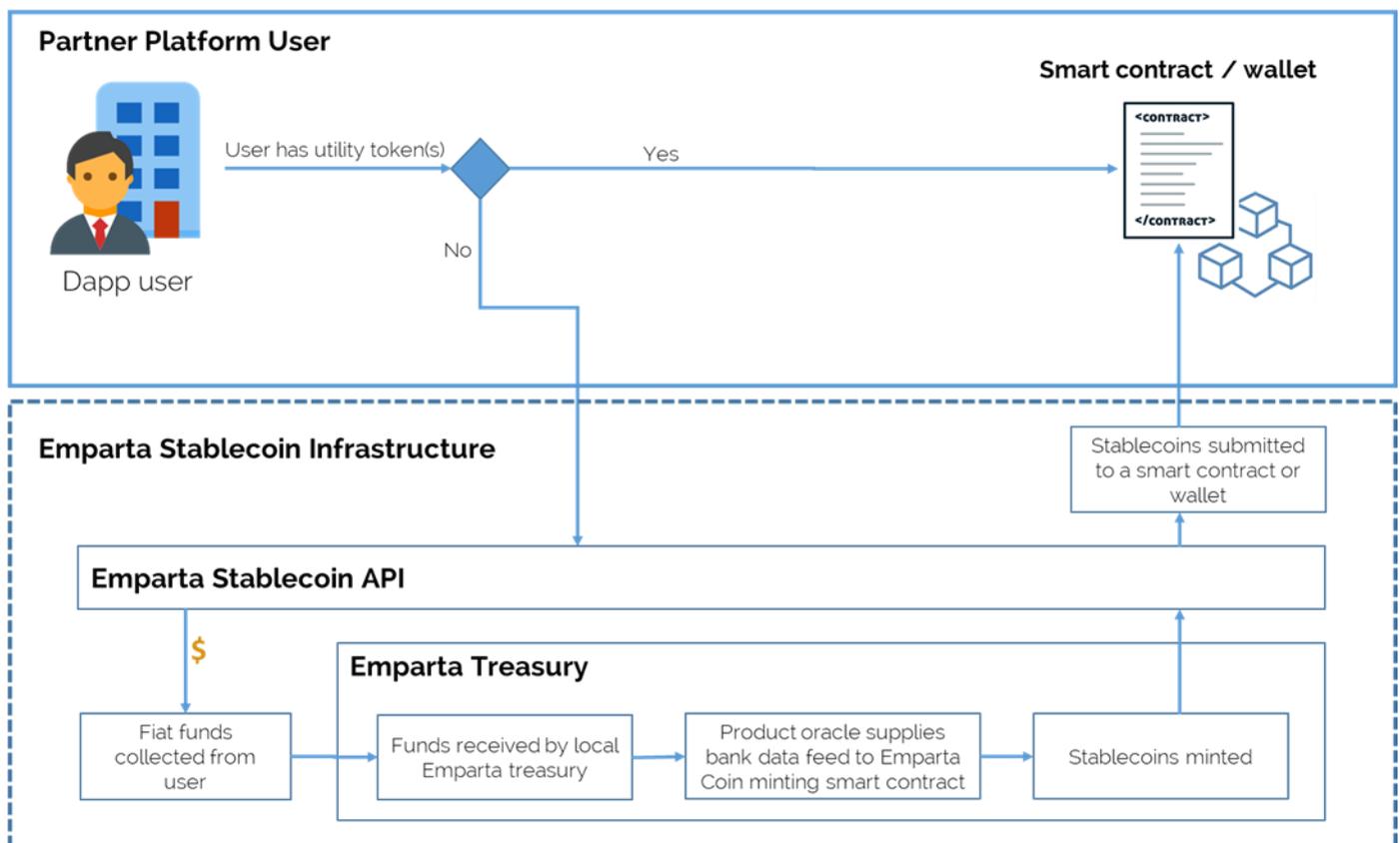
Decentralized Applications (dapps)

Thousands of decentralized applications (dapps) are either in development or now going live. The ability to execute smart contracts on the blockchain with guaranteed, programmable and immutable outcomes has inspired a generation of innovators to establish disruptive technologies in all industries and aspects of life. However, adoption of dapps is still limited to the crypto-savvy and the full benefits and potential cannot be realized.

Fiat on and off ramps are necessary for broader level adoption of dapps. The ability to pay platform fees and execute smart contracts using fiat removes a key barrier for new entrants. Further, the ability to use a stablecoin in smart contracts and removes the volatility exposure for participants within a decentralized network where incentives and payments are typically offered in volatile cryptocurrency.

Dapps can integrate with the Emparta Stablecoin API to accept fiat payments from users that are deposited to the Emparta Treasury and automatically converted to stablecoins that are issued to the dapp's smart contract or wallet.

Fiat on-ramp for a partner platform



Payments Systems – Programmable Money

Commercial enterprises remain dependent on fiat currency to satisfy ordinary obligations such as taxation, payroll, suppliers etc. Receiving payments or revenue in a volatile currency but having obligations in fiat presents a significant risk to an enterprise. In addition, volatility creates accounting, reporting and general compliance challenges.



Emparta solves this problem by making fiat available on the blockchain via a fully collateralized, audited and transparent treasury. The ability to redeem the underlying fiat from the treasury through a seamless process to fulfil financial and commercial obligations is fundamental to enabling the adoption of cryptocurrency for traditional commercial transactions.

Further, the ability to send fiat to a smart contract opens the door to a world of traditional payment systems and processes that could benefit from the security, efficiency and immutability of blockchain transactions. For example, programmable escrow payments, trust accounts, settlements annuity payments etc. can utilize smart contracts that can be programmed to manage the secure and effective transfer of stablecoins. This automation removes the need for third party custodians to hold and manage the funds, significantly reducing fees and streamlining the process for all parties.

Where are we at?

The Emparta project has recently completed a working prototype that is deployed to the Ethereum testnet with a clickable and demonstrable interface. The API infrastructure has been developed with an API sandbox created to allow partner platforms, exchanges and payments systems to start experimenting with the infrastructure in their own environment.

Emparta has partnered with Bit Trade (Australia's oldest digital currency exchange) to launch the first Australian Dollar backed stablecoin. Bit Trade will be amongst the first Australian exchanges to list and use the stablecoin on its platform. Further, the Emparta project has developed a payments system (currently in alpha stage) that allows digital currency exchanges to offer its users the ability to receive their wages in cryptocurrency without their employer needing to hold and manage reserves of cryptocurrency. This solution will offer users a stablecoin option by utilizing the Emparta Treasury infrastructure and will be one of the first payments systems to offer the stablecoin.

Business Model

The stablecoin infrastructure incorporates a robust and scalable business model. A transparent and regularly audited treasury that collects the fiat collateral and mints stablecoins on a 1:1 basis is central to the process. The underlying value can be redeemed for a small fee and the treasury can realize earnings in the form of interest on the collateral that it holds.

Further to listing the Emparta stablecoin on cryptocurrency exchanges, the treasury infrastructure will be made available to partner platforms with established users delivering numerous channels to create demand for the stablecoin and subsequent revenue growth.

Trust and transparency are crucial elements for adoption. The Emparta treasury will undergo regular audits and bank account attestations to provide frequent reconciliation of the treasury funds and the stablecoins in circulation on the blockchain.



Founders



Adam Sarris – Co-founder & CEO

A serial entrepreneur, Adam Sarris has extensive experience in the design and implementation of technology-based business solutions. Along with James Hill, he co-founded Squaddle, a successful online platform in Australia that provides hospitality workers on demand. Adam was a director and senior business analyst for Bluebox Solutions, an established software development company. He has held senior analytical roles for Iluka Resources, Asgard (Westpac), and Telco Services Australia.



James Hill – Co-founder & COO

Former Chairman and CEO of Bluebox Solutions, James Hill has extensive experience in leading large-scale, technology-based operations and delivering complex software development projects. He's the co-founder of Squaddle with Adam Sarris and has more than 18 years of experience in high-profile roles across multiple industries, including serving as GM of retail for iiNet, Australia's third-largest ISP, GM of Operations and IT at Telco Services Australia, and Associate Director Client Services at Asgard (Westpac), one of the largest wealth management companies in Australia.

Let's talk!

We would love to hear from you. Please contact us if you wish to have a chat and learn more about our exciting project and continued progress.

Regards,

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