Presenting Dymension

The Internet of RollApps is a network of chains consisting of RollApps (layer 2s) and the Dymension Hub (layer 1). RollApps are easy-to-deploy modular blockchains that natively integrate with the Dymension Hub, which provides them security, liquidity, and connectivity.

Why Dymension

Crypto apps are in dire need of ease of use and economic sustainability. Recently, rollups have shown a simple business model that works, fees minus base layer costs equals their profit. As a result, a surge of L2s were deployed each with its own custom implementation, multi-sig bridge, and security assumptions. This led to a fragmented, unsecure, and chaotic user experience diminishing the advantages of rollups and modular blockchains.

How Dymension

Dymension standardizes rollups with IBC (Inter-Blockchain Communication Protocol), similar to how tokens were standardized with ERC.

RollApps are a new crypto primitive offering the rollup business model along with speed and scale under one unified experience. This paves the way for the emergence of a true Internet of rollups.

RollApps are modular

blockchains,

instead of maintaining costly validators, RollApps leverage the Dymension Hub (layer 1) for securing their funds and Data Availability (DA) networks for publishing their transaction data.

Building Blocks of Dymension

Security

IBC is an important aspect of Dymension. IBC is a battle-tested bridging protocol that allows secure communication between different chains. RollApps connect to the IBC economy via Dymension Hub, similar to how a server connects to the internet via an internet service provider.

Dymension replaces centralized and risky multi-sig bridges prevalent in Ethereum and L2 ecosystems with IBC-connected rollups. By building IBC for rollups, Dymension validates that all funds deposited into a RollApp are as secure as the Dymension Hub itself.

Liquidity

Dymension Hub hosts an embedded liquidity layer that facilitates asset pricing, swapping, and efficient token routing across the ecosystem. This promotes economic growth by enabling a seamless user onboarding experience to RollApps and easy access to RollApp tokens.

Data, Scale and Costs

RollApps publish transaction data to external blockchains such as Celestia, Avail, NEAR and others to provide verifiability for RollApps. RollApps can choose which blockchain is the best choice for their data according to costs, values, tech and more. This creates competition and a data market necessary for scaling all data requirements of the entire Internet of RollApps.

Crypto UX

The future of crypto UX is deposit, play, withdraw.

Dymension's infrastructure streamlines it in scale, enabling developers to deploy RollApps in a few clicks with the Dymension RollApp Development Kit (RDK). Users can easily deposit from Ethereum and further across all of the crypto ecosystem with a single transaction routed through the Dymension Hub.

Welcome to a new Dymension