

# x402perps Whitepaper

Perpetual-Powered Meme Assets on Solana

Project: x402perps

Network: Solana

Twitter/X: @x402perps

---

## Abstract

x402perps is a Solana-native launchpad protocol where every launched token is backed by leveraged perpetual exposure rather than passive spot reserves. The protocol combines bonding curve mechanics, perpetual exposure, automated liquidity migration, and Solana execution speed into a single ecosystem for perpetual-backed meme assets.

## 1. Introduction

Traditional meme launchpads depend entirely on speculative trading activity. x402perps introduces a hybrid asset architecture where tokens behave simultaneously as social meme assets and perpetual exposure wrappers. Creators launching tokens can choose: • underlying market • Long or Short direction • leverage multiplier

## 2. Hybrid Asset Model

Every x402perps token has two price drivers: 1. Bonding Curve Momentum Traditional buy and sell activity affects token pricing through a dynamic bonding curve. 2. Perpetual Exposure Performance The reserve backing each token changes according to the underlying leveraged perpetual position.

## 3. Bonding Curve Architecture

x402perps uses a modified constant-product bonding curve. Invariant:  $x \cdot y = k$  Where:  $x$  = token reserve  $y$  = perpetual reserve value  $k$  = curve invariant Unlike traditional launchpads, the reserve asset itself continuously fluctuates in

value.

## 4. Launch Mechanics

Anyone can launch a token on x402perps. Creators define: • token name • ticker • image/logo • perpetual market • leverage direction • leverage multiplier Supported leverage tiers: • 2x • 3x • 5x

## 5. Perpetual Reserve Engine

x402perps continuously maintains leveraged exposure through integrated perpetual infrastructure. When users buy tokens: • reserve capital increases • perpetual exposure scales upward • reserve NAV updates When users sell: • exposure scales downward • reserve adjusts proportionally

## 6. Graduation System

When predefined thresholds are reached, liquidity migrates from the bonding curve into decentralized exchange pools. Graduation may be triggered by: • reserve milestones • market cap thresholds • liquidity targets LP tokens may become permanently locked after migration.

## 7. Solana Infrastructure

x402perps is built natively on Solana for: • low transaction fees • ultra-fast execution • scalable retail participation • high-frequency meme trading compatibility

## 8. \$X402 Token Utility

The ecosystem token may power: • launch incentives • staking • governance • creator rewards • ecosystem expansion

## 9. Risk Disclosure

x402perps assets are highly volatile. Leveraged exposure amplifies both gains and losses. Users should understand the speculative nature of perpetual-backed meme assets and conduct independent research before participating.

## 10. Vision

x402perps aims to create the next evolution of meme asset infrastructure by combining perpetual markets, social speculation, launchpad mechanics, and Solana scalability into a new category of crypto-native financial assets.

---

### **Disclaimer**

Nothing in this document constitutes investment, legal, or financial advice. Participation in decentralized protocols involves substantial risk.