

Ontra: Institutional-Grade On-Chain Trading

Bringing professional execution and capital efficiency to Uniswap v4
through intelligent liquidity optimization



The Capital Efficiency Problem

Traditional DeFi

- Idle liquidity earns nothing
- LP positions sit dormant between trades
- Pending orders generate zero yield

Ontra's Solution

- Every dollar works for you
- Automatic Aave integration
- Yield on all inactive positions



Core Innovation: Rehypothecation Hook

Ontra automatically deposits pending order and inactive LP liquidity capital into Aave to earn yield. When execution is needed, the Hook withdraws funds in a single optimized batch, minimizing gas costs while maximizing capital efficiency.

Detect Idle Capital

Hook monitors pending orders and liquidity positions in real-time

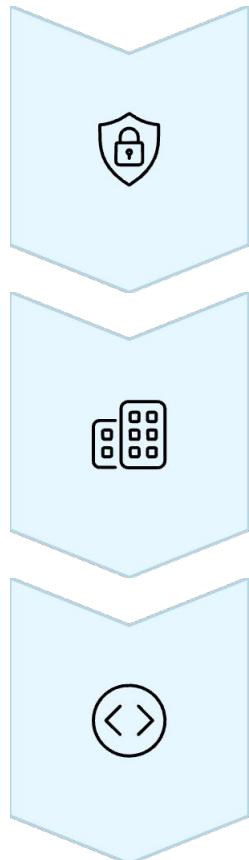
Deploy to Aave

Automatically deposits inactive funds to generate yield

Execute On-Demand

Withdraws and executes in single transaction when needed

Technical Architecture



OntraHook

Fully On-chain system

Aave Protocol

Automated deposits and withdrawals for yield generation

Uniswap v4 Hook

Native integration with v4 liquidity pools and swap routing





Implementation Status

✓ V2: Fully Operational

Trailing stop loss orders with Aave integration are live and tested. Pending positions automatically earn yield, and executed orders continue earning until withdrawal. All generated yield returns to order placers.

○ V1: Partial Implementation

LP liquidity migration to Aave is functional but being refined. The foundation for automatic liquidity optimization is in place.

Deployment

Network:

Sepolia Testnet

OntraV2Hook:

0xf318...9040

SwapRouter:

0xBD4C...896a

Key Differentiators



- ▼ **Capital Efficiency**

100% of idle capital earns yield – no wasted opportunity

- ▼ **Gas Optimization**

Batch withdrawals and efficient rebalancing minimize costs

- ▼ **Institutional Quality**

Professional order types previously unavailable on-chain

- ▼ **Privacy Enabled**

Fhenix FHE integration for hidden order execution

- ▼ **Fully On-Chain**

No off-chain dependencies or centralized components

Professional Order Types

1

Trailing Stop Loss

Dynamic protection with 5%, 10%, or 15% trailing thresholds – earns yield until triggered

2

Limit Orders (soon)

Execute trades at specific price points with guaranteed fills and Aave yield on pending capital

3

Hidden Orders (soon)

Phenix FHE-secured private orders that maintain execution privacy on-chain

Development Roadmap

