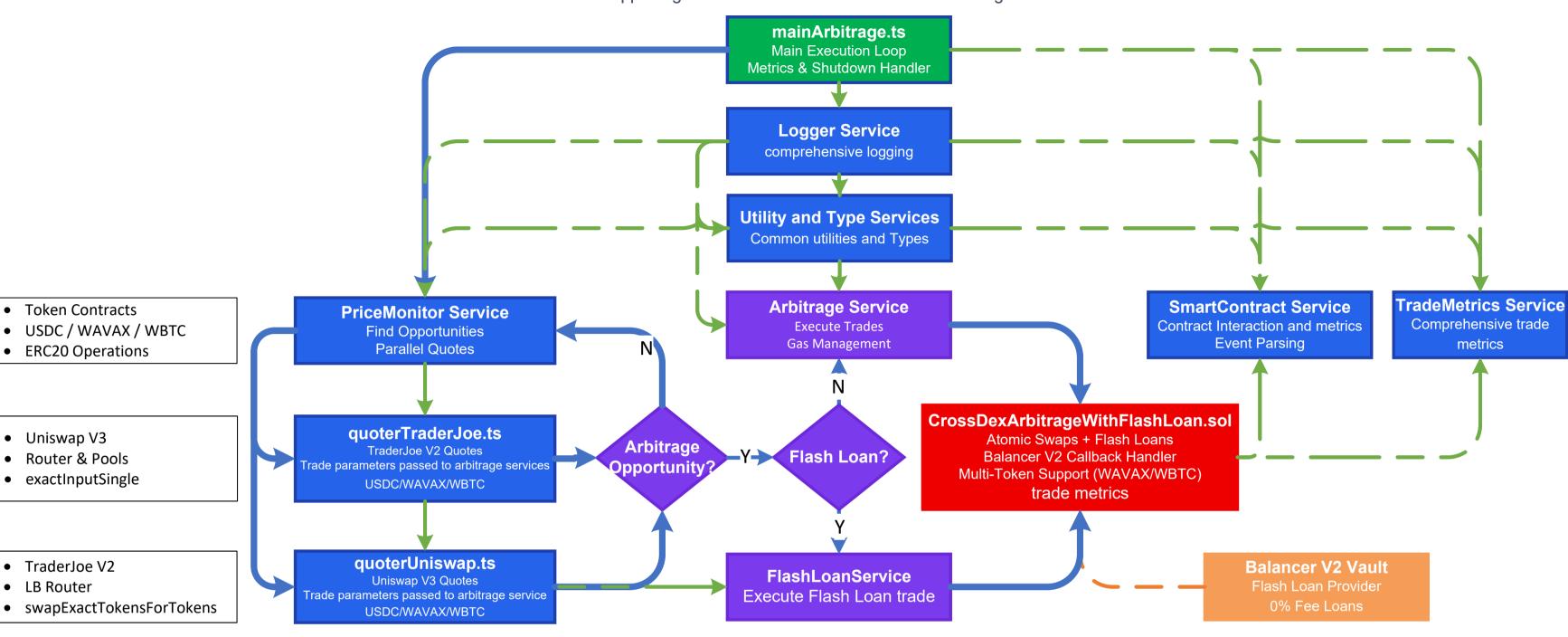
Cross-DEX Arbitrage Bot with Balancer V2 Flash Loans

Supporting USDC-WAVAX and USDC-WBTC Trading Pairs



Arrow Types:

Main execution flow

- - - - Flash loan flow

Data/utility connections

- 1 Start arbitrage discovery
- Monitor prices on both DEXs (parallel quotes)
- Identify arbitrage opportunity (USDC→WAVAX/WBTC→USDC)
- Request flash loan from Balancer V2 (0% fee)

Key Features

- ✓ Balancer V2 Flash Loans (0% fee)
- ✓ Multi-token support (USDC, WAVAX, WBTC)
- √ Atomic execution (all-or-nothing)
- ✓ Parallel price fetching for speed
- √ Gas optimization & dynamic pricing
- ✓ Comprehensive error handling & recovery

Performance Optimizations

- √ Gas-optimized contract <24KB
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- ✓ Parallel quote fetching
- √ Cached gas prices (10s TTL)

Supported Trading Pairs

- \checkmark USDC \leftrightarrow WAVAX (Uniswap V3)
- \checkmark USDC \leftrightarrow WAVAX (TraderJoe V2)
- \checkmark USDC \leftrightarrow WBTC (Uniswap V3)
- \checkmark USDC \leftrightarrow WBTC (TraderJoe V2)