

Proposal summary

Deploy a new subgraph and fix the Smart Order Routing Algorithm.

Overview of proposal

The Graph & Uniswap Analytics

Uniswap Analytics

has been very difficult to use for several months, for Arbitrum (and sometimes for other blockchains like Optimism and Polygon). Analytics and information availability is an essential element of DeFi.

Some pools, although liquid

, are not indexed

, just like certain tokens. As a result, some projects may have difficulty reassuring their community about available liquidity and transparency.

Cause: According to the Uniswap team (Discord:

<https://discord.com/channels/597638925346930701/597638926152499206/1207179021662822421>), the problem would be linked to a subgraph deployed on The Graph.

Smart Order Routing

Furthermore, the order routing algorithm (called Smart Order Routing)

is not effective for certain tokens.

Indeed, when a token has several pools, some of which have a price totally disconnected from reality

(because of low liquidity or simply the fact of a dishonest user), the algorithm used by Uniswap is unable to find the best possible route.

Example below taken on Arbitrum :

- USDT/USDC.E/DAI: no problem
- With USDC:

The order is routed through an extremely low liquidity pool (USDC->WETH WETH->REUNI) instead of using (USDC->USDT USDT-> REUNI)

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](<https://global.discourse-cdn.com/business6/uploads/uniswap1/original/2X/4/46427b4a2cb05f779128e5c0f5a6967a92eddcc8.png>)

Proposal

Deploy a new subgraph as quickly as possible in order to have Uniswap Analytics 100% functional.

Correct the Smart Order Routing algorithm (URL: /quote) internally, or, if necessary, ask the community to develop it in exchange for a grant.