

Events & Chart Integration

All events are emitted from Vault(=Router) contract.

CA references [zkSyncEra](#) ,[Linea](#)

Vault interface file[link](#)

SwapFacet implementation[link](#)

Example event logs :

ETH->USDC swap[scan link](#)

Add liquidity ETH+USDC[scan link](#)

magic deposit USD+=>USDC-ETH LP[scan link](#) (includes swap & staking)

Note that swap operation event includes swap, veVC conversion, and LP deposit/withdrawal . cf [Operation types](#)

Swap

...

```
Copy eventSwap(address indexed pool, address indexed user, bytes32[] tokenRef, int128[] delta);
```

...

Whenever a user exchanges tokens with a pool, Swap event gets emitted.

- pool
- user
- is the user interacting with the pool.
- tokenRef
 - - Token:
 - - Velocore V2 supports not only ERC20 but also ERC721, ERC1155, and native tokens. Tokens are represented as a wrapped bytes32 (Token
 - -), specifically:
 - - - 1 byte of token type
 - - - - 0x00
 - - - - : ERC20
 - - - - 0x01
 - - - - : erc721
 - - - - 0x02
 - - - - : erc1155

...

Since unbalanced LP deposit(magic deposit) is possible, ratio here can't be used as a price feed unlike simple swap.

We recommend only using pure swap for price feed updates and chart volume data for easy integration . If the tokenRef contains an LP address, you can catch the event separately as an add/remove LP event and do not need to calculate the swap volume. This is because the swap volume generated by this will usually be a very small fraction of the total.

- ///

...

[illegible]

Same as above, you could exactly calculate the swap volume using the fee generated, but that would require a reserve query. We'd recommend ignoring the swap volume here and just considering it as an LP related transaction when integrating to the chart.

...

...

whenever a user votes or claims bribe. Vote gets emitted.

voteDelta is positive when the user adds vote, and negative when user decreases vote.

voteDelta can be 0, which means that the user just claimed the bribe.

Last updated 5 months ago On this page * [Swap](#) * [Examples](#) * [Vote](#)