Flood for Fulfillers

Fulfillers can leverage Flood to engage with Owners and tap into existing orderflow, eliminating the need of acquiring it from scratch.

Writing a Fulfiller

The complexity of writing a Fulfiller largely depends on your strategy.

All fulfillers must implement the following interface:

interface IFulfiller { /* _* @notice External function to perform arbitrary swaps to source requested items. * * @dev FloodPlain must have sent offer items prior to this call. The swap data should use the * received offer items. If a fulfiller has operating capital and does not have any checks * to ensure not more than the received offer items are spent, it must rely on trusted * callers supplying honest swap data. Zone can enforce the access control. * * @param selectorExtension Additional bytes to prevent hooks from calling Fulfiller. * @param order All the details of a book order. * @param caller The address that called the book. * @param context All the swap data, or any other arbitrary data. * * @return The amount of consideration that was sourced and approved for Book to * transfer. These amounts might be higher than requested amounts._ / function

sourceConsideration (bytes28 selectorExtension , IFloodPlain . Order

calldata order , address caller , bytes

calldata context) external

returns (uint256);

/* _* @notice External function to fill multiple orders in the same transaction. * * @param selectorExtension Additional bytes to prevent hooks from calling Fulfiller. * @param orders An array of orders that will be batch filled. * @param caller The address that called the book. * @param context All the swap data, or any other arbitrary data. * * @return The amount of consideration items, for each order, that were sourced and approved * for FloodPlain to transfer. These amounts might be higher than requested amounts._ / function

sourceConsiderations (bytes28 selectorExtension , IFloodPlain . Order [] calldata orders , address caller , bytes

calldata context) external

returns (uint256 [] memory); } For safety reasons, we recommend Fulfillers to check the following wheneversourceConsideration is called:

- Thatmsg.sender
- is FloodPlain
- Thattx.origin
- is an EOA they control.
- ThatMAGIC_VALUE
- is correct.

Seeing Orders

Fulfillers can view orders related to a Zone through any agreed mechanism between them and Owners.

Two examples include:

- Broadcasting orders publicly onchain, by callingetchOrder
- on FloodPlain
- Using the Flood offchain Orderbook

Current Limitations

To ensure stability and quality of execution, only theFlood team Fulfiller can access the offchain Orderbook for the time being.

Last updated onFebruary 3, 2024 Cancel orders