

# SDK Functions

The Carbon DeFi SDK's main point of interaction is exposed through the functions in `index.ts`:

Name	Description
<a href="#">constructor</a>	Initializes the SDK.
<a href="#">startDataSync</a>	Fetches event data to create a representation of all Carbon DeFi strategies.
<a href="#">pairs</a>	Gets a list of all active token pairs.
<a href="#">hasLiquidityByPair</a>	Checks if a pair currently has liquidity in one or more strategies.
<a href="#">getLiquidityByPair</a>	Returns the total amount of liquidity in Carbon DeFi strategies for a given pair.
<a href="#">getUserStrategies</a>	Gets the list of strategies owned by an address.
<a href="#">getTradeData</a>	Generates and returns a trade route for a trade, including an unsigned transaction to execute the trade.
<a href="#">composeTradeByTargetTransaction</a>	Creates an unsigned trade transaction for trading by target amount.
<a href="#">composeTradeBySourceTransaction</a>	Creates an unsigned trade transaction for trading by source amount.
<a href="#">createBuySellStrategy</a>	Creates a Carbon DeFi strategy, formatted for smart contract input, and generates an unsigned transaction.
<a href="#">updateStrategy</a>	Generates an unsigned transaction with updated order parameters.
<a href="#">deleteStrategy</a>	Generates an unsigned transaction to delete a strategy.
<a href="#">getRateLiquidityDepthByPair</a>	This returns the amount of liquidity available for a token pair at a specific trade-rate.
<a href="#">getMinRateByPair</a>	Gets the current lowest trade price for a given token pair.
<a href="#">getMaxRateByPair</a>	Gets the current highest trade price for a given token pair.

[Previous Collecting Liquidity Data](#) [Next constructor](#) Last updated 2 months ago On this page