

	tool_description	url	example
	By supplying assets, users can earn interest on their deposits.		
aave_supply_	The supplied collateral can be used as a basis for borrowing other assets, allowing users to leverage their positions. In combination with a trading protocol, this can create leverage.	https://api.compasslabs.ai/v0/aave/supply	coming soon...
	Overall, this endpoint is a critical component for users looking to maximize their asset utility within the AaveV3 ecosystem, providing both earning potential and borrowing flexibility.		
aave_borrow_	You will pay interest for your borrows.	https://api.compasslabs.ai/v0/aave/borrow	coming soon...
	Price changes in the assets may lead to some or all of your collateral being liquidated, if the borrow position becomes overcollateralized.		
	This endpoint allows users to repay a portion or the entirety of their borrowed tokens on the Aave platform.		
aave_repay_	By repaying borrowed amounts, users can improve their health factor, which is a measure of the safety of their loan position. A higher health factor reduces the risk of liquidation, ensuring a more secure borrowing experience. The endpoint requires specifying the chain and the details of the repayment transaction, including the amount and the asset to be repaid.	https://api.compasslabs.ai/v0/aave/repay	coming soon...
	This endpoint facilitates the withdrawal of collateral from the Aave protocol.		
aave_withdraw_	Users can withdraw a portion or all of their collateral, which may increase the risk of liquidation if there are outstanding borrows. The withdrawal process also includes the collection of any interest earned on the collateral. It is important for users to carefully consider their outstanding debts and the potential impact on their liquidation threshold before proceeding with a withdrawal. This endpoint is designed to provide a seamless and efficient way to manage your collateral within the Aave ecosystem.	https://api.compasslabs.ai/v0/aave/withdraw	coming soon...
	This endpoint retrieves the current price of a specified asset in USD as determined by the Aave protocol.		
aave_asset_price_get_	It utilizes the Aave V3 Oracle to fetch the asset price, ensuring accurate and up-to-date information. The request requires the asset identifier and the blockchain network (chain) on which the asset resides. The response provides the asset price in a standardized format, converted from Wei to the base currency decimals defined by Aave.	https://api.compasslabs.ai/v0/aave/asset_price/get	coming soon...
	This endpoint retrieves the change in the reserve liquidity index between two provided blocks.		
aave_liquidity_change_get_	This is then converted to a percentage change. The liquidity index represents the change in debt and interest accrual over each block. Aave does not store individual user balances directly; instead, it uses a scaled balance and uses the liquidity index to compute real balances. Specifically, if a user wants to have deposited tokens at the start block, a positive liquidity index change will represent accrued interest and a profit. If tokens were borrowed at the start block, this debt will increase, compounded on itself and represent large debt. The reverse in both cases is true if the liquidity index is negative.	https://api.compasslabs.ai/v0/aave/liquidity/change/get	coming soon...
	This endpoint retrieves a comprehensive summary of a user's position on the Aave platform.		
aave_user_position_summary_get_	It provides key financial metrics including the total collateral deposited, total debt accrued, available borrowing capacity, liquidation threshold, maximum loan-to-value ratio, and the health factor of the user's account. These metrics are calculated by aggregating data across all open positions held by the user, offering a holistic view of their financial standing within the Aave ecosystem.	https://api.compasslabs.ai/v0/aave/user_position_summary/get	coming soon...
	This endpoint retrieves the user's position for a specific token on the Aave platform.		
aave_user_position_per_token_get_	It provides key financial metrics including the current token balance, current stable debt, current variable debt, principal stable debt, principal variable debt, stable borrow rate, stable borrow rate for new loans, variable borrow rate, and liquidity rate. These metrics are calculated by aggregating data across all open positions held by the user for the specified token, offering a detailed view of their financial standing within the Aave ecosystem.	https://api.compasslabs.ai/v0/aave/user_position_per_token/get	coming soon...
	This endpoint allows users to trade a specific amount of one token into another token using the Aerodrome Slippstream protocol.		
aerodrome_slippstream_swap_sell_exactly_	The transaction is executed by specifying the exact amount of the input token to be sold, and the system calculates the amount of the output token that will be received. The operation ensures that the trade is conducted within the constraints of the current market conditions, taking into account the liquidity and price impact. This endpoint is suitable for users who want to sell a precise quantity of a token and are willing to accept the resulting amount of the other token.	https://api.compasslabs.ai/v0/aerodrome_slippstream/swap/sell_exactly	coming soon...
	This endpoint facilitates the trading of tokens by allowing users to specify the exact amount of the output token they wish to receive.		
aerodrome_slippstream_swap_buy_exactly_	Utilising the Aerodrome Slippstream protocol, the system calculates the necessary amount of the input token required to achieve the desired output. This operation is particularly useful for users who have a specific target amount of the output token in mind and are willing to provide the corresponding input token amount. The transaction is executed with consideration of current market conditions, including liquidity and price impact, ensuring that the trade is completed efficiently and effectively.	https://api.compasslabs.ai/v0/aerodrome_slippstream/swap/buy_exactly	coming soon...
	Initiate a new Liquidity Provider (LP) position by minting tokens.		
aerodrome_slippstream_liquidity_provision_mint_	This endpoint allows users to open a new LP position, enabling them to participate in liquidity provision. The minting process involves creating a new position with specified parameters, such as token amounts and pool details. The response will confirm the successful creation of the LP position, providing users with the necessary information to manage their newly created position. This functionality is crucial for users looking to expand their liquidity provision activities, offering them the opportunity to engage in decentralized finance (DeFi) markets effectively.	https://api.compasslabs.ai/v0/aerodrome_slippstream/liquidity_provision/mint	coming soon...
	Increase the liquidity of an existing Liquidity Provider (LP) position.		
aerodrome_slippstream_liquidity_provision_increase_	This endpoint allows users to add more tokens to their current LP position, enhancing their participation in liquidity provision. By increasing liquidity, users can potentially earn more rewards and improve their position in the pool. The process involves specifying additional token amounts and updating the pool details. The response will confirm the successful increase of the LP position, providing users with updated information about their enhanced position. This functionality is vital for users aiming to optimize their liquidity provision strategy, enabling them to adapt to market conditions and maximize their returns in decentralized finance (DeFi) markets.	https://api.compasslabs.ai/v0/aerodrome_slippstream/liquidity_provision/increase	coming soon...
	Withdraw an existing Liquidity Provider (LP) position.		
aerodrome_slippstream_liquidity_provision_withdraw_	This endpoint allows users to remove their tokens from an LP position, effectively closing their participation in the liquidity pool. The withdrawal process involves specifying the LP position to be closed, and the response will confirm the successful removal of liquidity, providing users with details about the withdrawn tokens and any remaining balances. This functionality is essential for users who wish to exit their liquidity provision activities, enabling them to reclaim their assets and potentially reallocate them to other investment opportunities. The endpoint ensures a smooth and secure withdrawal process, facilitating users' strategic management of their decentralized finance (DeFi) portfolios.	https://api.compasslabs.ai/v0/aerodrome_slippstream/liquidity_provision/withdraw	coming soon...
	Retrieve the total number of Liquidity Provider (LP) positions associated with a specific sender.		
aerodrome_slippstream_liquidity_provision_positions_get_	This endpoint allows users to query and obtain detailed information about their LP positions, including the number of active positions they hold. The response, modelled after AerodromeLPPositions, provides a structured representation of the LP positions data, ensuring clarity and ease of use. This functionality is essential for users managing their liquidity provision activities, enabling them to make informed decisions based on their current positions.	https://api.compasslabs.ai/v0/aerodrome_slippstream/liquidity_provision/positions/get	coming soon...
	This endpoint retrieves the current price of a pool, indicating how many tokens you can purchase for 1 token.		
aerodrome_slippstream_pool_price_get_	Note that this is an instantaneous price and may change during any trade. For a more accurate representation of the trade ratios between the two assets, consider using the quote endpoint.	https://api.compasslabs.ai/v0/aerodrome_slippstream/pool_price/get	coming soon...
	Fetch the detailed portfolio of a specific wallet address on a given blockchain.		
generic_portfolio_get_	This includes the total value of the portfolio in USD and a breakdown of token balances, including their respective values and quantities.	https://api.compasslabs.ai/v0/generic/portfolio/get	coming soon...
	Generate a visual representation of the token portfolio for a wallet address.		
generic_visualize_portfolio_get_	The response is an SVG image of a pie chart depicting the relative distribution of tokens held, colored and labeled with token symbols, percentages and token values in USD.	https://api.compasslabs.ai/v0/generic/visualize_portfolio/get	coming soon...
	Retrieve the price of the specified token relative to USD using Chainlink's on-chain price feeds.		
generic_price_usd_get_	Chainlink is a decentralized oracle that aggregates price data from off-chain sources. This ensures the price is tamper-resistant but the price might be stale with the update frequency of the oracle.	https://api.compasslabs.ai/v0/generic/price/usd/get	coming soon...
	Get the list of supported tokens on a chain by the Compass API.		
generic_supported_tokens_get_	Returns the balance of a specific ERC20 token for a given user address.	https://api.compasslabs.ai/v0/generic/supported_tokens/get	coming soon...
generic_balance_get_	In decentralized finance (DeFi) protocols such as Uniswap or Aave, users must set a token allowance to authorize the protocol to spend a specified amount of their tokens on their behalf.	https://api.compasslabs.ai/v0/generic/balance/get	coming soon...
	This is a crucial step before engaging in any transactions or operations within these protocols, ensuring that the protocol has the necessary permissions to manage the user's tokens securely and efficiently.		
generic_allowance_get_	An ENS name is a string ending in .eth, e.g., .io.	https://api.compasslabs.ai/v0/generic/allowance/get	coming soon...
generic_ens_get_	E.g., .io. This endpoint can be used to query the actual ethereum wallet address behind the ENS name.	https://api.compasslabs.ai/v0/generic/ens/get	coming soon...
generic_wrap_eth_	Wrapping ETH creates an ERC-20 compliant form of ETH that is typically needed for it to be traded on DeFi protocols.	https://api.compasslabs.ai/v0/generic/wrap_eth	coming soon...
generic_unwrap_weth_	Unwrapping WETH converts the ERC-20 compliant form of ETH back to native ETH that can be used for gas and other native purposes.	https://api.compasslabs.ai/v0/generic/unwrap_weth	coming soon...
generic_transfer_erc20_	Sends ERC20 tokens from the sender's address to the specified recipient.	https://api.compasslabs.ai/v0/generic/transfer/erc20	coming soon...
generic_transfer_native_token_	Sends native ETH from the sender's address to the specified recipient.	https://api.compasslabs.ai/v0/generic/transfer/native_token	coming soon...
	This endpoint allows users to modify the token allowance for a specific protocol.		
generic_allowance_set_	In decentralized finance (DeFi), setting an allowance is a necessary step to authorize a protocol to spend a specified amount of tokens on behalf of the user. This operation is crucial for ensuring that the protocol can manage the user's tokens securely and efficiently, enabling seamless transactions and operations within the DeFi ecosystem.	https://api.compasslabs.ai/v0/generic/allowance/set	coming soon...
	This endpoint allows users to trade a variable amount of one token to receive an exact amount of another token using the Uniswap protocol.		
uniswap_swap_buy_exactly_	The transaction is executed on the specified blockchain network, and the user must provide the necessary transaction details, including the token to buy, the token to pay with, and the exact amount to receive. If the token being paid with is WETH and needs to be wrapped, the appropriate amount will be wrapped automatically.	https://api.compasslabs.ai/v0/uniswap/swap/buy_exactly	coming soon...
	This endpoint allows users to trade a specific amount of one token into another token using the Uniswap protocol.		
uniswap_swap_sell_exactly_	The transaction is executed on the specified blockchain network, and the user must provide the necessary transaction details, including the token to sell, the token to receive, and the amount to sell. If the token being sold is WETH and needs to be unwrapped, the appropriate amount will be unwrapped automatically.	https://api.compasslabs.ai/v0/uniswap/swap/sell_exactly	coming soon...
	This endpoint allows users to increase their existing Liquidity Provider (LP) positions on the Uniswap platform.		
uniswap_liquidity_provision_increase_	By providing the necessary parameters, users can add more liquidity to their current positions, thereby increasing their stake in the liquidity pool. This operation is beneficial for users who wish to enhance their potential earnings from trading fees within the pool. The endpoint requires details such as the token pair, additional amount to be added, and any other parameters necessary for the liquidity increase process.	https://api.compasslabs.ai/v0/uniswap/liquidity_provision/increase	coming soon...
	This endpoint allows users to open a new Liquidity Provider (LP) position on the Uniswap platform.		
uniswap_liquidity_provision_mint_	By providing the necessary parameters, users can initiate a minting process to create a new LP token, which represents their stake in a specific liquidity pool. This operation is essential for users looking to participate in liquidity provision, enabling them to earn fees from trades that occur within the pool. The endpoint requires details such as the token pair, amount, and any additional parameters needed for the minting process.	https://api.compasslabs.ai/v0/uniswap/liquidity_provision/mint	coming soon...
	This endpoint allows users to withdraw their Liquidity Provider (LP) positions from the Uniswap platform.		
uniswap_liquidity_provision_withdraw_	By specifying the necessary parameters, users can initiate the withdrawal process to remove their stake from a specific liquidity pool. This operation is crucial for users who wish to reclaim their assets or reallocate their liquidity to different pools or investments. The endpoint requires details such as the token pair, the amount to be withdrawn, and any additional parameters needed for the withdrawal process. Users should ensure they meet any protocol requirements or conditions before initiating a withdrawal to avoid potential issues or penalties.	https://api.compasslabs.ai/v0/uniswap/liquidity_provision/withdraw	coming soon...
	This endpoint calculates the amount of input tokens required to purchase a specified amount of output tokens from a Uniswap pool.		
uniswap_quote_buy_exactly_get_	It also provides the resulting price after the transaction. The calculation takes into account the current pool state and the specified fee tier.	https://api.compasslabs.ai/v0/uniswap/quote/buy_exactly/get	coming soon...
	This endpoint calculates the amount of input tokens required to purchase a specified amount of output tokens from a Uniswap pool.		
uniswap_quote_sell_exactly_get_	It also provides the resulting price after the transaction. The calculation takes into account the current pool state and the specified fee tier.	https://api.compasslabs.ai/v0/uniswap/quote/sell_exactly/get	coming soon...
	This endpoint calculates the price of a token in a Uniswap pool.		
uniswap_pool_price_get_	The price is calculated based on the current pool state and the specified fee tier.	https://api.compasslabs.ai/v0/uniswap/pool_price/get	coming soon...
	This endpoint allows users to check whether a specific liquidity provider (LP) position is within the active tick range on the Uniswap platform.		
uniswap_liquidity_provision_in_range_get_	By providing the token ID associated with the position, users can verify if the position is currently within the tick range where trading occurs. This information is essential for users to monitor the status of their LP positions and ensure that they are actively participating in the trading activities within the liquidity pool and earning trading fees.	https://api.compasslabs.ai/v0/uniswap/liquidity_provision/in_range/get	coming soon...
	This endpoint retrieves the number of Liquidity Provider (LP) positions associated with a specific sender address on the Uniswap platform.		
uniswap_liquidity_provision_positions_get_	Users can query this endpoint to obtain detailed information about their LP positions, including the total number of positions and relevant metadata. This information is crucial for users to manage and analyze their liquidity provision activities effectively.	https://api.compasslabs.ai/v0/uniswap/liquidity_provision/positions/get	coming soon...