API

Source Code

The API is designed to be run serverlessly (without storing state) and is a wrapper on top of the SDK . See full implementation here .

Caching & Liveness

Users of the Across API are requested to cache results for no longer than 300 seconds. The Across API serves data that is derived from the on-chain state of the Across contracts and relayer bots. The on-chain state is subject to change each block, and cached data can quickly become invalid as a result.

API Endpoints

get https://across.to/api /suggested-fees Retrieve suggested fee quote for a deposit. Returns suggested fees based on the token, destination chain ID, and amount. Parameters Query token *string Address of token contract to transfer. For ETH (or other native tokens, like matic) use, use the wrapped address, like WETH. Note: the address provided can be the token address on any chain. In the unlikely event where two different tokens have the same address on different chains, you can use the optional chainId parameter defined below to indicate which chain should be used. Example: 0x7f5c764cbc14f9669b88837ca1490cca17c31607 destinationChainId* string The desired destination chain ID of the transfer Example: 42161 amount* string Amount of the token to transfer. Note: this amount is in the native decimals of the token. So, for WETH, this would be the amount of human-readable WETH multiplied by 1e18. For USDC, you would multiply the number of human-readable USDC by 1e6. Example: 100000000000 originChainId string Chain ID where the specified token address exists. Note: this is only needed to disambiguate when there are matching addresses on different chains. Otherwise, this can be inferred by the API. Example: 10 recipient string Recipient of the deposit. Can be an EOA or a contract. If this is an EOA and message is defined, then the API will throw a 4xx error. Example: 0xc186fa914353c44b2e33ebe05f21846f1048beda message string Calldata passed to the recipient if recipient is a contract address. This calldata is passed to the recipient via the recipient's handleAcrossMessage() public function. The length of this value is constrained by the API to ~4096 chars minus the length of the full URL. Example: 0xABC123 relayer string Optionally override the relayer address used to simulate the fillRelay() call that estimates the gas costs needed to fill a deposit. This simulation result impacts the returned suggested-fees. The reason to customize the EOA would be primarily if the recipientAddress is a contract and requires a certain relayer to submit the fill, or if one specific relayer has the necessary token balance to make the fill. Example: 0x428ab2ba90eba0a4be7af34c9ac451ab061ac010 timestamp string The quote timestamp used to compute the LP fees. When bridging with across, the user only specifies the quote timestamp in their transaction. The relayer then determines the utilization at that timestamp to determine the user's fee. This timestamp must be close (within 10 minutes or so) to the current time on the chain where the user is depositing funds and it should be <= the current block timestamp on mainnet. This allows the user to know exactly what LP fee they will pay before sending the transaction. If this value isn't provided in the request, the API will assume the latest block timestamp on mainnet. Example: 1653547649 Responses 200: OK Suggested fees for the transaction 400: Bad Request Invalid input 500: Internal Server Error Unexpected error within the API get https://across.to/api /limits Retrieve current transfer limits of the system get https://across.to/api /available-routes Retrieve available routes for transfers Integration Guides -Previous Across Settlement Integration Next- Reference SDK Last modified22d ago On this page Source Code Caching & Liveness API Endpoints get /suggested-fees get /limits get /available-routes