Get Fee Quotes

pm_getFeeQuoteOrData

All paymaster URLs allow you to use both Sponsorship and Token Paymasters. To switch between paymasters you will simply change the Mode of a specific request. We will highlight both types of requests below.

This endpoint returns theMODE andpaymasterAndData for sponsored requests and returns specific fee quote information for token paymaster requests.

Parameters

Body

Param Type Description Required method string Name of method in this case: pm_getFeeQuoteOrData Required params array An array consisting of the Useroperation object and Paymaster mode information Required id string id for request determined by client for JSON RPC requests Required jsonrpc string JSON RPC version in this case 2.0.0 Required Params Array for Sponsorship requests

Index Type Description Required 0 object A partial userOperation object for the userOp that needs to be sponsored Required 1 object Mode specified as "SPONSORSHIP" as well as sposorship information which includes any webhook data and smart account information: name and version Required Params Array for ERC20 paymaster requests

Index Type Description Required 0 object A partial userOperation object for the userOp that needs to be sponsored Required 1 object Mode specified as "ERC20" as well as tokenInfo: a preferred token address and list of tokens to include Required Partial UserOperation Object is basically a userOp object which haspaymasterAndData andsignature fields as optional, and the gas price values are not final.

1. Mode isSPONSORED

:

POST Request { "jsonrpc": "2.0", "method": "pm_getFeeQuoteOrData", "id": 1, "params": [{ "sender": "sender SA address", "nonce": "0x2f", "initCode": "0x", "callData": "0x0...", "signature": "0x0...", "maxFeePerGas": "0xc02244", "maxPriorityFeePerGas": "0xf4240", "verificationGasLimit": "77101", "callGasLimit": "2290252", "preVerificationGas": "480527", "paymasterAndData": "0x" }, { "mode": "SPONSORED", "calculateGasLimits": true, "sponsorshipInfo": { "webhookData": {}, "smartAccountInfo": { "name": "BICONOMY", "version": "2.0.0" } } }] } Response { "jsonrpc": "2.0", "id": 1, "result": { "MODE": "SPONSORED", "paymasterAndData": "0x......", "preVerificationGas": "75388", "verificationGasLimit": 57121, "callGasLimit": 108848 } } If Mode is set asSPONSORED , this request will behave as a sponsored request andpaymasterAndData field will be populated by the paymaster service.

2. Mode isERC20

:

POST Request { "jsonrpc": "2.0", "method": "pm_getFeeQuoteOrData", "id": 1, "params": [{ "sender": "sender SA address", "nonce": "0x2f", "initCode": "0x", "callData": "0x0...", "signature": "0x0...", "maxFeePerGas": "0xc02244", "maxPriorityFeePerGas": "0xf4240", "verificationGasLimit": "77101", "callGasLimit": "2290252", "preVerificationGas": "480527", "paymasterAndData": "0x" }, { "mode": "ERC20", "tokenInfo": { "preferredToken": "0xbf22b04e250a5921ab4dc0d4ced6e391459e92d4", "tokenList": ["0xdA5289FCAAF71d52A80A254dA614A192B693e975", "0xda5289fcaaf71d52a80a254da614a192b693e977", "0xeabc4b91d9375796aa4f69cc764a4ab509080a58"] } }] } Response { "jsonrpc": "2.0", "id": 1, "result": { "MODE": "ERC20", "paymasterAddress": "0x716bc27e1b904331c58891cc3ab13889127189a7", "feeQuotes": [{ "symbol": "USDT", "decimal": 18, "tokenAddress": "0xbf22b04e250a5921ab4dc0d4ced6e391459e92d4", "maxGasFee": 0.25267043311569887, "maxGasFeeUSD": 0.0010842277144671015, "exchangeRate": 2328088080880880000, "premiumPercentage": "13", "validUntil": 1686847490, "logoUrl": "https://raw.githubusercontent.com/spothq/cryptocurrency-icons/master/128/color/usdt.png" }], "unsupportedTokens": ["0xbf22b04e250a5921ab4dc0d4ced6e391459e92d3", "0xda5289fcaaf71d52a80a254da614a192b693e977", "0xeabc4b91d9375796aa4f69cc764a4ab509080a58"] } } note If bothpreferredToken &tokenList are present in the request body, and some of these tokens are not supported by our paymaster, those will also be returned in the response body underunsupportedTokens .

Previous APIs Next Sponsor UserOperation End Point