eth_getBlockTransactionCountByNumber

Returns the number of transactions in the block with the given block number.

For Growth and Custom service plans This JSON-RPC method allows a request to be forwarded to a partner service provider if Infura should experience a service issue or outage. See[Failover protection](#) and[Enable API request forwarding](#) for complete details.

If you would like failover protection but don't qualify under your current plan, then either self-upgrade to the Growth plan or contact a sales representative to upgrade to a Custom plan.

Parameters

block number :[Required] A hexadecimal block number, or one of the string tagslatest ,earliest ,pending ,safe , orfinalized . See the[default block parameter](#) .

Returns

block transaction count : A hexadecimal equivalent of the integer representing the number of transactions in the block.

Example

ReplaceYOUR-API-KEY with an API key from your[Infura dashboard](#) .

Request

- cURL
- WSS

curl https://polygon-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc":"2.0","method":"eth_getBlockTransactionCountByNumber","params": ["latest"],"id":1}' wscat -c wss://polygon-mainnet.infura.io/ws/v3/YOUR-API-KEY -x '{"jsonrpc":"2.0","method":"eth_getBlockTransactionCountByNumber","params": ["latest"],"id":1}'

Response

- JSON

{ "jsonrpc": "2.0", "id": 1, "result": "0xa0" }