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Mantle Chain API Quickstart

Get started building on Mantle and using the JSON-RPC API

To use the Mantle Chain API you'll need to to a free Alchemy account first!

Introduction

Mantle is an EVM-compatible blockchain designed to provide high performance, scalability, and security for decentralized applications (dApps). Known for its fast and low-cost transactions, Mantle offers a robust environment for deploying Ethereum-based applications.

What is the Mantle Chain API?

The Mantle Chain API facilitates interaction with the Mantle network through a collection of JSON-RPC methods. Given its compatibility with the Ethereum ecosystem, developers familiar with Ethereum's JSON-RPC APIs will find working with Mantle both intuitive and straightforward.

Getting Started Instructions

1. Choose a Package Manager (npm or yarn)

Your first step involves selecting a package manager, which will be crucial for managing your project's dependencies. The choice between npm and yarn depends on your personal preference or project requirements.

npm yarn Begin with npm by following then pm documentation . For yarn , refer to yarn's installation guide .

2. Set Up Your Project

To kickstart your project, open your terminal and execute the following commands:

npm yarn mkdir mantle-api-quickstart cd mantle-api-quickstart npm init --yes mkdir mantle-api-quickstart cd mantle-api-quickstart yarn init --yes This creates a new directory named mantle-api-quickstart and initializes a Node.js project within it.

3. Make Your First Request

For making API requests, we'll use Axios, a widely-used HTTP client. Install Axios with the following command:

yarn add axios

Next, create an index.js file in your project directory. Paste the following code to send a request to the Mantle network:

JavaScript const axios = require ('axios');const url =https://mantle-mainnet.g.alchemy.com/v2{ yourAPIKey } ;const payload = {jsonrpc :'2.0' ,id :1 ,method :'eth_blockNumber' ,params : [] };axios .post (url ,payload) .then (response => {console .log ('Block Number:' ,response .data .result); }) .catch (error => {console .error (error); }); Remember to replace yourAPIKey with your actual Alchemy API key that you can get from yourAlchemy dashboard .

4. Run Your Script

To execute your script and make a request to the Mantle Chain, run:

Bash node index.js You should see the current block number on Mantle Chain (in hexadecimal format) outputted to your console:

Block Number: 0x6d68e

Next Steps

Well done! You've just made your first request to the Mantle Chain API. With this foundation, you can dive deeper into the array of <u>JSON-RPC methods available on Mantle Chain</u> and start building your dApps on it!

Updated 3 months ago

Fantom Opera Chain API Endpoints Mantle Chain API FAQ Did this page help you?Yes No