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Sonic Chain API Quickstart

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

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

Introduction

Sonic Chain is an EVM-compatible, high-performance, scalable, and secure layer-1 blockchain. With over 10,000 TPS, one-second confirmation times, and low-cost transactions, it provides a robust platform for decentralized applications (dApps) and Ethereum-based deployments.

What is the Sonic API?

The Sonic API allows interaction with the Sonic network through a set of JSON-RPC methods. Its design is familiar to developers who have worked with Ethereum's JSON-RPC APIs, making it intuitive and straightforward to use.

Getting Started Instructions

1. Choose a Package Manager (npm or yarn)

Select a package manager to manage your project's dependencies. Choose between npm and yarn based on your 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

Open your terminal and execute the following commands to create and initialize your project:

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

3. Make Your First Request

Install Axios, a popular HTTP client, to make API requests:

Bash npm install axios# Or with yarn

yarn add axios

Create an index.js file in your project directory and paste the following code:

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

4. Run Your Script

Execute your script to make a request to the Sonic mainnet:

Bash node index.js You should see the latest block information from Sonic's mainnet outputted to your console:

Latest Block: 0x...

Next Steps

Congratulations! You've made your first request to the Sonic network. You can now explore the various sonic methods available on Sonic and start building your dApps on this innovative platform.

Updated about 2 months ago

Metis Chain API Endpoints Sonic Chain API FAQ Did this page help you?Yes No