

How to choose a data provider for your web3 project?

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About Me

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Simplified Web3 Blockchain Data Product Stack

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Simplified Web3 Blockchain Data Product Stack



分类	示例
数据应用	Nansen, Messari, Scan, Debank
数据平台	Footprint, Dune, Flipside
数据节点	Infura, Quicknode, Infstones, Alchemy

Key factors in choosing a data provider



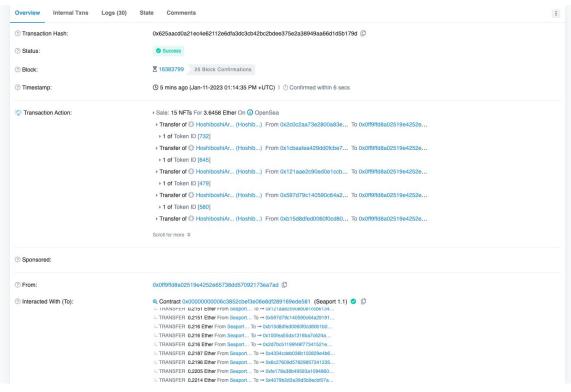


- 低门槛:你能够用你熟悉的方式得到解决方案。
- 兼容性:与你现有系统、技术架构、数据格式兼容,一站式与自己的私有数据兼容 对接。





比如查看链上原始数据, 比如单笔交易的状态和明细数据, 可以用Scan。能简单快速查看特定交易涉及的数据



Scenario and case sharing - scan



使用Scan会有哪些限制?

- 汇总数据:比如你想看Opensea某一天的交易量
- 时间序列数据:比如你想看 Opensea历史交易量趋势
- 跨链数据:比如你想看 Opensea在 Ethereum和 Solana的历史交易量趋势
- 高级搜索功能:比如你想看某个 NFT的所有转账历史以及在各大 Marketplace上的交易数据

Scenario and case sharing - RPC Provider



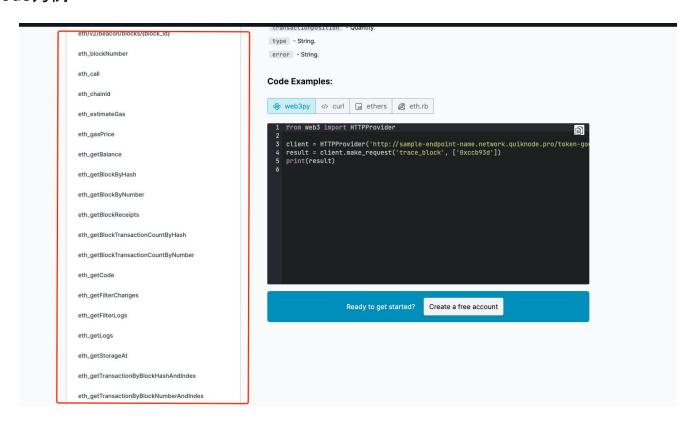
- 有研发团队以及大数据背景,有能力自建数据索引,处理以及存储等过程,去搭建数仓或者应用。
- 基于链底层数据, 搭建实时交易或者实时分析应用

节点服务商	QuickNode	Infstone	Alchemy	Infura	ChainStack	Ankr	GetBlock	BlockDaemon
支持公链数量	12	11	5	8	13	12	39	53
Ethereum	1	1	1	1	1	1	1	1
BSC	1	1	0	0	1	1	1	0
Solana	1	1	0	0	1	1	1	1
Bitcoin	1	0	0	0	1	0	1	1
Optimism	1	0	1	1	0	0	1	0
Fantom	1	0	0	0	1	1	1	0
Terra	1	0	0	0	0	0	1	1
Arbitrum	1	0	1	1	0	1	1	0
Algorand	1	0	0	0	0	0	0	1
Gnosis	1	0	0	0	0	0	1	0
Polygon	1	1	1	1	1	1	1	0
Celo	1	0	0	0	0	1	0	1
Bitcoin Cash	0	0	0	0	0	0	1	1
XRP	0	0	0	0	0	0	1	1
Polkadot	0	0	0	0	0	0	1	1
EOS	0	0	0	0	0	0	1	0
Litecoin	0	0	0	0	0	0	1	0
Cardana	0	0	0	0	0	0	1	1
Near	0	0	0	1	0	1	1	1
Tron	0	0	0	0	0	0	1	0
Monero	0	0	0	0	0	0	1	0
Avalanche	0	0	0	0	1	1	1	1
Kusama	0	0	0	0	0	0	1	1
NEM	0	0	0	0	0	0	1	C

Scenario and case sharing - RPC Provider



以Quicknode为例



Scenario and case sharing - RPC Provider



使用RPC Provider 会有哪些限制?

- 数据可读性差:比如你想看某个游戏NFT的交易量
- 缺乏结构化数据:比如细分领域的数据,像GameFi用户数据,新增,留存用户等。
- 全量历史数据:比如某个游戏历史上所有的token交易量

Scenario and case sharing - Data Platform



	Name •	Logo 🔻	Category	Website	Twitter
	BigQuery	<u></u>	Blockchain Data Warehous	https://console.cloud.google.com/mar	@GoogleCloud
2	Chainbase	•	Blockchain Data Warehous	https://chainbase.online/	@ChainbaseOnline
3	Dune		Blockchain Data Warehous	https://dune.com/home	@DuneAnalytics
4	Flipside	P	Blockchain Data Warehous	https://flipsidecrypto.xyz/	@flipsidecrypto
5	Footprint	*	Blockchain Data Warehous	https://www.footprint.network/	@Footprint_Data
6	GeniiData	6	Blockchain Data Warehous	https://geniidata.com/	@geniidata
7	Luabase		Blockchain Data Warehous	https://luabase.com/	@onluabase
8	Numia	00	Blockchain Data Warehous	https://numia.xyz/	@NumiaData
9	Space and Time	* ?	Blockchain Data Warehous	https://www.spaceandtime.io/	@SpaceandTimeDB
10	Spice	0	Blockchain Data Warehous	https://spice.xyz/	@spice_ai
11	Stacks on Chain		Blockchain Data Warehous	https://stacksonchain.com/	@anononchain
12	Transpose	(1)	Blockchain Data Warehous	https://www.transpose.io/	@TransposeData
13	Zettablock	Z	Blockchain Data Warehous	https://www.zettablock.com/	@ZettaBlockHQ

Scenario and case sharing - Data Platform



下面以Footprint Analytics为例, 怎样为Developer提供更好的解决方案

Most Comprehensive Coverage of Chains and Domains

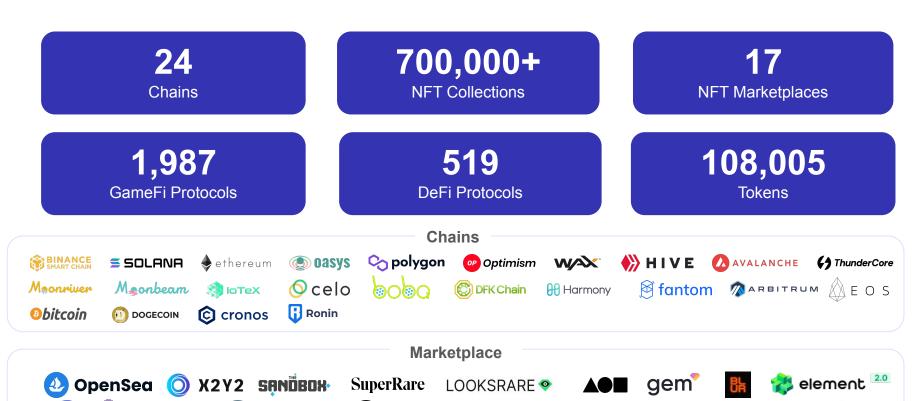
Cryptopunks

🖄 Aavegotchi .



Footprint Analytics provides a comprehensive, timely and accurate overview of the full blockchain ecosystem

Walken



MAGIC EDEN

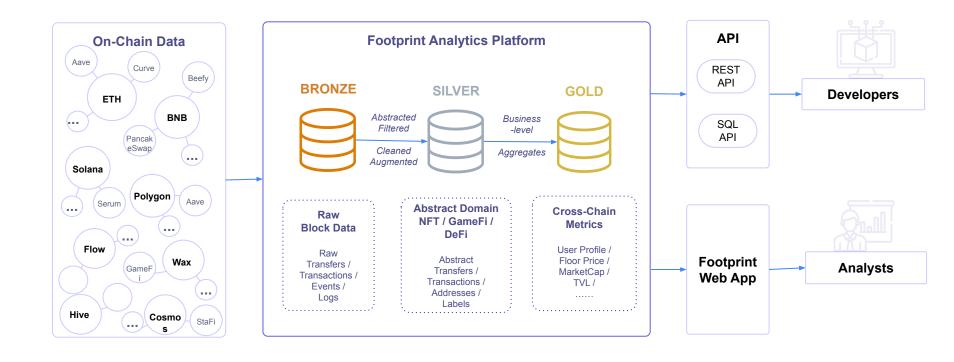
Rarible

Decentral and

The Footprint Data Model: Versatile and Robust





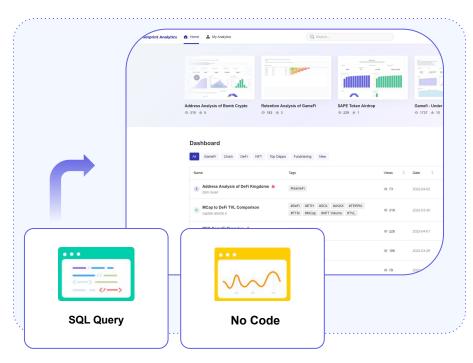


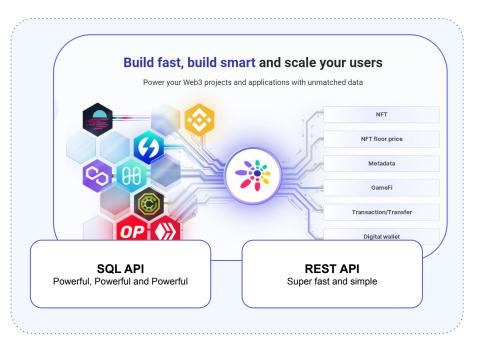
Preview and Visualize Data with Footprint Web App



Before programing the SQL API, you can debug your query on Footprint UI

Footprint Web App Data API





0代码搭建你的应用 by Footprint Web APP —— 低门槛



案例分享







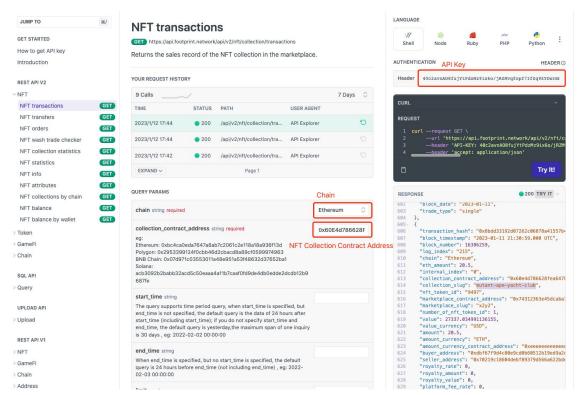


- 0代码构建NFT Marketplace 分析应用: https://www.footprint.network/@0xLam/OpenSea
- 0代码构建GameFi项目分析应用
 - : https://www.footprint.network/@Higi/Era7-Cards-NFT-Collections?game_name=era7-game-of-truth&c ollection=era7-cards&series date=past90days
- 0代码构建用户画像分析系统
 - : https://www.footprint.network/@rogerD/Gamer-Profile?wallet_address=0x81e4fb0c64bf49f89b57f664 8562fc9a791b2e92
- 0代码构建竞品分析框架
 - :https://www.footprint.network/@0xLam/Walken-vs-StepN?game a=walken&game b=stepn&chain=So lana

Restful API —— 高兼容性



以获取mutant-ape-yacht-club在各大NFT Marketplace的交易为例 (MAYC collection contract address:0x60E4d786628Fea6478F785A6d7e704777c86a7c6)



Build your NFT dapps with Footprint, including:

- NFT explorer
- NFT wallets
- NFT trackers
- NFT marketplaces
- NFT games

Try for free

SQL API - Customized for Your Needs —— 灵活性



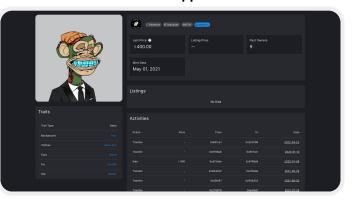
A flexible SQL API customization for robust requirements

SQL API Response

```
import axios from 'axios'
axios.post('https://api.footprint.network/api/v1/native', {
   SELECT * FROM nft info
   WHERE collection contract address =
'0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d' AND nft token id = 1401
   SELECT * FROM nft token attributes
   WHERE collection_contract_address =
'0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d' AND nft token id = 1401
  ON b.collection contract address = a.collection contract address AND
b.nft token id = a.nft token id
  LEFT JOIN (
   SELECT * FROM nft transfers
   WHERE collection contract address =
'0xbc4ca0eda7647a8ab7c2061c2e118a18a936f13d' AND nft_token_id = 1401
  ON c.collection contract address = a.collection contract address AND c.nft token id
= a.nft_token_id
```

```
"collection contract address": "0xbc4ca0eda7647a8ab7c2061c2e118a18a936f
"token_name": "BoredApeYachtClub #1401",
"image_url": "https://lh3.googleusercontent.com/vqqWQ4eX6zm8KFSRgv4-K6
"mint transaction hash": "0x6d5a377ad620edae2d7c54403824c451174ac8dd
"mint_address": "0xc6dc654b5aa7969a24c7e4442a52e61fb8b24827",
"metadata_uri": "https://ipfs.io/ipfs/QmeSjSinHpPnmXmspMjwiXyN6zS4E9zcca "metadata": "{\"traits\": [{\"trait_type\": \"Clothes\", \"value\": \"Black Suit\"
"internet_mime_type": "image/png",
"attribute_key": "Background",
"attribute type": "string",
"block_timestamp": "2022-10-24T00:36:11.000Z",
"transaction hash": "0x0ffdd35fc0833657098b26264d399a4c2e546c08d9de0b
"log index": "1401",
"block_date": "2022-10-24",
"from address": "0xd30cad3f023888d5a81580fbb80f93102d69e9ef",
"to address": "0x4e9fc298bc3d6cb38013b25fd560bca6a18e2ae6".
"transfer_type": "transfer"
```



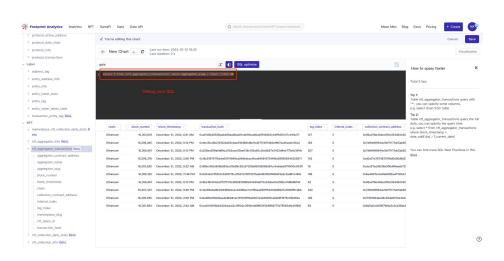


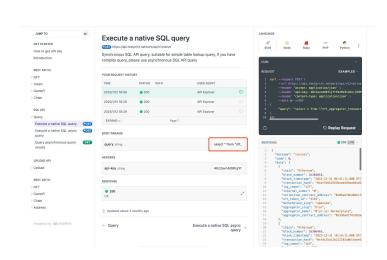
SQL API - Customized for Your Needs —— 灵活性



A flexible SQL API customization for robust requirements

Use Case: 获取NFT 交易聚合器 Blur 的交易数据 select * from "nft_aggregator_transactions" where aggregator_slug = 'blur' limit 10





Summary



一款能满足你基本需求和实现你目标的产品只是基准条件, 那一款能加速你 build web3项目的产品, 更应该拥有的核心特性是什么?

- 低门槛 —— 不管你是小白用户还是专业用户,都能快速的使用起来并快速得到答案
- 高兼容度 —— 支持跨链,EVM和非EVM都能保持统一的结构,降低对接和维护成本
- 高灵活性 —— 你的特定定制需求,不依 赖提供商,可以自己掌握主 动权



社区福利

通过这个链接注册, 前10名用户可以获得 Footprint 的7天免费 Business plan 和 SQL API试用: https://www.footprint.network/?channel=dev

Twitter: https://twitter.com/Footprint_Data

Discord: https://discord.com/invite/3HYaR6USM7

Data API: https://www.footprint.network/data-api

Github: https://github.com/footprintanalytics

Email: sales@footprint.network



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