ciphertrace by

# Sentry API

**FACTSHEET**

## Ciphertrace crypto-address-level data APIs for developers

The Ciphertrace Sentry API empowers developers to utilize Ciphertrace's advanced crypto-address-level data in third-party applications, such as transaction monitoring, fraud detection and investigative fusion tools.

The service supports BTC, ETH, BCH, LTC, BNB and RSK networks. It represents itself as an HTTPS-based query service with JSON-encoded data.

Ciphertrace Sentry contains a Core API and an Anti-Money Laundering (AML) Risk Classification API, which can be used to assess a specific address's risk and behavior. The Core API is an address and Ciphertrace cluster (wallet) query service providing attribution and transaction details. The AML Risk Classification API provides risk classifications for addresses and transactions based on that address's nature and transactional behavior.

### Entity identification through superior attribution

The Sentry API exposes data from our immense data lake, tying crypto addresses to real-world organizations, sanctioned entities and events. This data is derived from extensive open- and closed-source intelligence gathering, which includes node operation and active participation in the crypto economy by our researchers. Our proprietary clustering and other algorithms rapidly aggregate and correlate various indicators to add millions of data points weekly. All attribution is fully auditable for defensibility in court cases.

### Comprehensive risk classification

The service assigns risk levels to millions of crypto addresses based on their direct and indirect interactions with suspicious addresses and wallets. Ciphertrace Sentry profiles risk related to an address's ownership and interactions with thousands of entities, including global exchanges, ATMs, mixers, ransomware and malware events, gambling services, sanctions-related addresses and entities, and known criminal addresses. Multiple risk classification models allow organizations to tailor systems to specific jurisdictional and internal requirements.

### Address history

Ciphertrace's Sentry API provides information about all transactions the address has participated in since the chain's genesis block, including the balance and details of all received and sent transactions.

### IP<>BTC correlation

It allows developers to incorporate information on BTC addresses in which IPs have shown interest by IP address, city, region, country and geofenced box, opening new opportunities for leveraging Ciphertrace address-related information in geographic query-focused applications.

### A complete solution, with expert training and deep-dive diligence reports

Ciphertrace is part of the Mastercard family, which provides a complete suite of services, including crypto card issuance and acceptance, risk mitigation services, and more. The Sentry API complements and enhances Ciphertrace Armada, Inspector and Traveler to identify counterparty risks, conform to compliance regulations, perform required counterparty due diligence, and perform investigations. Detailed virtual entity risk assessments provide quantitative and qualitative analyses of a VASP's financial crime and overall risk profile. Ciphertrace also offers an array of on-demand and in-person crypto training services to give you and your team the technical training and guidance you need to succeed.

```
{
    "walletId": "08045fcb",
    "owner": {
        "name": "Locky",
        "subpoenable": false,
        "url": "",
        "country": "RU",
        "type": "ransomware"
    },
    "totalAddressCount": 7093,
    "revision": 0
}
```


## About Ciphertrace

Ciphertrace, a Mastercard company, delivers scalable crypto asset intelligence solutions that help identify and mitigate crypto risk across the entire ecosystem. Powered by fully auditable and independently verified data attribution, our insights help make crypto safe and secure, while navigating ever-changing global regulations.