



Cryptocurrency anti-money laundering transaction monitoring

Ciphertrace Sentry allows organizations, such as ATM service providers, exchanges and other institutions to integrate Ciphertrace data into their existing compliance infrastructure via REST APIs for real-time transaction monitoring and other forms of analysis. Sentry allows your internal business systems to take full advantage of Ciphertrace data in "know your transaction" (KYT) monitoring situations for compliance with anti-money laundering (AML) and counter-terrorism financing regulations.

Entity identification through superior attribution

Ciphertrace Sentry exposes relevant data from Ciphertrace's immense data lake, which ties crypto addresses to real-world organizations, sanctioned entities and events. This data is derived from extensive open and closed-source intelligence gathering, which includes active participation in the crypto economy by Ciphertrace researchers. Ciphertrace's proprietary clustering and other algorithms rapidly aggregate and correlate various indicators to add millions of data points weekly.

Comprehensive risk classification

Ciphertrace Sentry 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' 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.

IP data correlation

Ciphertrace's patent-pending IP<>BTC functionality exposes the relationships between IP addresses and "associated" bitcoin addresses of interest.

Real-time intervention

When integrated with your existing transaction monitoring system, the real-time Sentry API monitors all transactions to prevent withdrawals to risky and suspicious addresses, as well as freeze deposits from hacks, scams, and ransomware. Sentry provides real-time alerts for watches set on addresses for select networks. Alerts are provided on watched addresses when the risk score changes or a new transaction occurs.

A complete solution

Ciphertrace is the only crypto-analytics company to provide a complete, native crypto compliance and forensic solutions suite. Sentry complements and enhances Ciphertrace Armada, Inspector, and Traveler to identify counterparty risks, comply with compliance regulations, perform required counterparty due diligence and perform detailed investigations.

FACTSHEET

Address Ownership Information

```
"walletId": "1c5e355e",  
"owner": {  
  "name": "al-QassamBrigades",  
  "subpoenable": false,  
  "url": "https://qassam.ps",  
  "country": "PS",  
  "type": "criminal"  
},
```

Risk classification 3 models

```
{  
  "callBackSeconds": 86400,  
  "risk": 10.0,  
  "sanctionsRisk": 10.0,  
  "gamblingOkRisk": 10.0,  
  "address": "14EwXyqiB3yVLDJ1zVNeVVEDpyyhBdnzjk",  
  "updatedToBlock": 737471  
}
```

Associated IPs
"interested in" address

```
"ipHistory": [  
  {  
    "city": "Mogilev",  
    "latitude": 53.91680145263672,  
    "country": "BY",  
    "longitude": 30.344900131225586,  
    "date": 1544540649,  
    "ipAddress": "178.168.224.37"  
  }  
]
```

Full transactional history

```
"address": "14EwXyqiB3yVLDJ1zVNeVVEDpyyhBdnzjk",  
"txHistory": [  
  {  
    "txHash": "e4a7279da86ee9788b0ae8f452ab7e820663b298c0b6e770d5148571d121f7d9",  
    "balance": 0.00115618,  
    "date": 1549542385,  
    "blockHeight": 561971,  
    "received": 0.00115618,  
    "spent": 0.0  
  },  
  {  
    "txHash": "8755b6c0580c0810b3dac123c962cd402c22f6a269083f6b46e217dbb3101313",  
    "balance": 0.0  
  }  
]
```

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.