

CipherTrace ArmadaTM

Virtual Asset Risk Mitigation for Financial Institutions

Banks and other financial institutions now need to be aware of the pervasive presence of cryptocurrency in their customer accounts and payment networks. Regulators and law enforcement are targeting illicit crypto transactions. CipherTrace ArmadaTM provides critical visibility into this high-risk blind spot so KYC processes can detect and uncover Virtual Asset Service Providers (VASPs) before onboarding them, and identify VASPs customers. Monitoring tools identify transactions to and from VASPs on your payment networks to help banks further manage crypto related BSA/AML risks.

Armada's suite of investigative tools, profile entity risk and enables the enhanced due diligence on VASPs required for full BSA/AML compliance.

Full Suite of VASP Risk Monitoring and Due Diligence

CipherTrace Armada, a cryptocurrency data feed, identifies Virtual Asset Service Providers (VASPs) and enables due diligence on VASPs through automated transaction matching systems. Armada data feeds enable the ability to link payments to high risk VASPs and crypto MSBs.

CipherTrace InspectorTM visually displays VASP risk profiles based on KYC deficiencies, risky transactions, and enables enhanced due diligence on VASPs. Inspector also enables financial investigators to trace cryptocurrency transactions by de-anonymizing VASPs and other blockchain businesses.

Virtual Asset Entity Feed

- Identify all transactions associated with VASPs
- Provides KYC risk scores of VASPs actual customer onboarding process and implementation
- Provides money laundering risk scores for VASPs
- Enables the identification of high-risk payments between banks and VASPs for enhanced due diligence
- Help FIs comply with BSA obligations by recognizing undisclosed VASP customers and specifically higher-risk VASPs
- Identify people associated with VASPs and their specific roles

\$2 Billion

in crypto-related transactions move annually on the payment networks of a typical top 10 US bank.

| Exchange | Detailed | Merchant ID | Bank | Type | Rating | Account | Privacy | Fiat | Blvd Group | Inbound Group | Outflow | Updated | Risk |
|----------|----------|-------------|------|------|--------|---------|---------|------|------------|---------------|---------|------------|-----------|
| Circle | | | | | | | | | | | | 02/28/2020 | High Risk |
| Fluida | | | | | | | | | | | | 02/28/2020 | High Risk |
| BNC | | | | | | | | | | | | 02/28/2020 | High Risk |
| Circle | | | | | | | | | | | | 02/28/2020 | High Risk |
| Star | | | | | | | | | | | | 02/28/2020 | High Risk |
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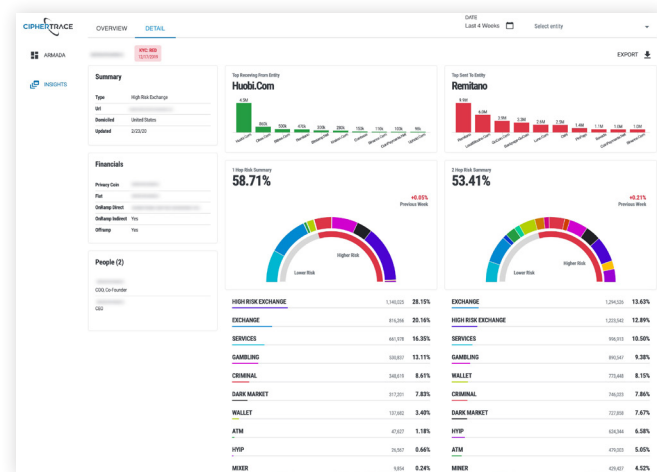
AML deficiencies such as poor Know Your Customer protocols and inadequate customer due diligence produce high-risk KYC and interaction scores.

8/10 top US banks unknowingly harbor illicit crypto MSBs.

55% of the top 400 VASPs lack good KYC

VASP Risk Insights

- Enables banks to compare the risk profile of a VASP over a specific period of time
- Enables banks to review the risk profile of VASPs counterparties including the top trading partners
- Enables enhanced due diligence on all VASPs by providing current data on each VASPs KYC and AML program as well as their actual interaction percent with illicit crypto actors



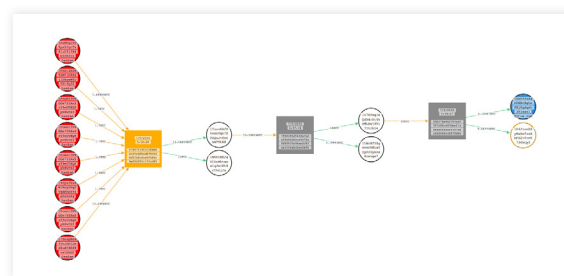
Armada VASP Risk Insights creates risk profiles for each VASP and monitors for interactions with high risk entities, such as dark markets and criminal actors.

Crypto Risk Advisories and Darknet Crypto Exposure Feeds

- Receive customized payments fraud intelligence on bad actors using cryptocurrencies to sell stolen account credentials, prepaid cards, credit card dumps, ATM skimmers, and phishing kits
- Receive actionable advisories on emerging crypto crime, cryptocurrency-related malware and ransomware threats to your financial institution
- Receive advisories on hacked VASPs that may be transacting with your bank customers
- Receive updates on various cryptocurrency regulatory changes
- Receive updates on latest cryptocurrency-related sanctions and enforcement actions

CipherTrace Inspector™

- Trace movement of cryptocurrency visually
- Identify flows of illicit funds
- Monitor wallets for activity
- Create and share cases
- Perform due diligence on virtual asset customers and other virtual asset entities
- Produce admissible evidence



The CipherTrace platform's intuitive graphical interface makes it easy for both technical and non-technical users to access state-of-the-art investigation tools and analysis capabilities.

P2P Exchanger Feed

- Identifies unregistered MSBs and P2P schemes using bank accounts to covertly exchange virtual assets utilizing fiat payments
- Help FIs comply with BSA obligations by recognizing undisclosed customers and small businesses that are operating as unregistered MSBs selling virtual assets and receiving fiat funds directly into their bank accounts

About CipherTrace

CipherTrace develops cryptocurrency anti-money laundering (AML)/counter-terrorist financing (CTF), blockchain forensics, crypto threat intel and regulatory solutions. Leading exchanges, banks, auditors, regulators and digital asset businesses use CipherTrace to comply with regulatory requirements, investigate financial crimes, and foster trust in the crypto economy. Founded in 2015 by experienced Silicon Valley entrepreneurs with deep expertise in cybersecurity, eCrime, payments, banking, encryption, and virtual currencies, CipherTrace is backed by top venture capital investors and by the US Department of Homeland Security. For more information, visit: www.ciphertrace.com