



TRM Labs Capabilities

MAY 2024

TRM Labs is at the forefront of crypto investigation solutions, consistently delivering first-to-market innovations such as cross-chain analytics and investigations and new blockchain integrations, including Ethereum and Tron. These advancements empower law enforcement agencies with the tools they need to effectively tackle crypto-based crimes, from initiation through to resolution.

Our comprehensive suite of solutions is tailored to meet the specific needs of our customers, enabling them to disrupt illicit activities, bring criminals to justice, and support victims more effectively. By aligning to the outcomes that law enforcement cares about, TRM ensures that agencies have access to the most advanced and effective tools in the fight against cryptocurrency crime, making a scalable impact on their missions.

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Asset Coverage

CAPABILITY	DESCRIPTION
Blockchain and digital asset coverage	<p>TRM covers 30 blockchains and over 70 million digital assets, including:</p> <p>Algorand, Arbitrum, Avalanche C-Chain, Base, Binance, Binance Smart Chain, Bitcoin, Bitcoin Cash, Cardano, Celo, Cosmos, Dash, Dogecoin, Ethereum, Ethereum Classic, Fantom, Hedera, Litecoin, Klaytn, Terra, MultiversX Optimism, Polygon, PolkaDot, XRP Ledger, Solana, Stellar, Tezos, Tron, ZCash and coverage of all derivative assets on each supported blockchain.</p>
Cross-chain analytics and tracing	<p>TRM was the first to offer cross-chain support and is the only blockchain analytics solution with native cross-chain tracing in a single graph. With entity pages, view an entity's aggregated on-chain activity across supported blockchains, as well as off-chain data.</p>

Threat Intelligence

CAPABILITY	DESCRIPTION
Volume of illicit crypto tracked	<p>TRM tracked USD 34.8 billion in illicit crypto volume across 40+ threat categories in 2023—43% more volume attributed than Chainalysis*.</p> <p>For example, TRM's attributed incoming volume of scams and fraud is 2.7x higher, which is significant given that ~36% of illicit crypto comes from scams and fraud.</p>

	<p>The TRM attribution advantage is due to being the first to cover the blockchains that now host 80% of illicit crypto volume, and having vertically integrated intelligence collection operations.</p> <p>*Source: TRM Labs 2023 Illicit Crypto Report, Chainalysis 2023 Illicit Crypto Report</p>
Victim reports	<p>TRM operates Chainabuse.com—the largest scam and fraud victim reporting platform. Search the more than 600k structured victim reports that are enriched with details such as location, scam type, amount lost, and connections to VASPs and other victims.</p>
VASP intelligence	<p>TRM has the largest, global database of VASPs and cash-out points with 26k+ attributed entities and ~160 new services and ~1k off-chain properties added weekly. View both on and off-chain information such as their location, KYC details, AML review and law enforcement contact details, when available.</p>
Granular threat categories	<p>TRM tracks more than 40 threat categories, taking a more granular approach to categorizing threats that allows investigators and agencies to focus on specialized areas and deconflict their efforts.</p> <p>For example, TRM has distinct categories for illicit drug vendors, darknet marketplaces (DNM) and carding/PII. This allows investigators to have a macro view of overall funds flowing in and out of a DNM and a micro view of individual vendors' movement of funds.</p>
Nation-state intelligence	<p>TRM has unique attribution on China, Russia, Iran and DPRK established through (1) a dedicated team of threat hunters who collect primary source evidence, (2) proprietary clustering from</p>

	<p>advanced data science and machine learning, and (3) extensive open source intelligence from scanning more than 300M websites, dark web forums, paste sites, sanctions sites, telegram and more.</p>
<p>Transparent attribution</p>	<p>Make defensible decisions with reliable threat intelligence. TRM is the only blockchain intelligence platform that shows you the attribution source and confidence score, known as “glass box” attribution, for every attribution, enabling parallel reconstruction of investigations for use as evidence in court.</p>

Network Intelligence

CAPABILITY	DESCRIPTION
<p>Geolocation search</p>	<p>Geospatial allows users to zoom into specific regions (Country, State, City, and Neighborhood) and find actionable leads. Identify IP and blockchain addresses that are high-risk or associated with specific crimes and linked to a location.</p> <p>Triage leads using custom filters and enriched data including associated risk levels, entity's name, transactions details, is associated with a Tor, VPN, Proxy, Malware, and more.</p>
<p>Network intelligence</p>	<p>View IP data associated with addresses or entities, including timestamps, geolocation, ISP, and whether or not a VPN, TOR, or Proxy was used.</p> <p>TRM is the only industry provider of Ethereum address-related IP addresses and offers the largest collection of IP observations across the following blockchains: Bitcoin, Bitcoin Cash, Litecoin, Ethereum, and Dash.</p>

BLOCKINT API	Build blockchain intelligence into your applications. Securely retrieve blockchain data, attribution, and network intelligence to give investigators the data they need from an API that developers can rely on. Analyze at scale, enable custom workflows, and automate data enrichment.
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Advanced Tracing

CAPABILITY	DESCRIPTION
Universal tracing	Pioneered and offered only by TRM, trace between clusters and addresses in the same graph, allowing for both rapid decision making at a macro level and the ability to drill into specific fund movements—essential for legal process.
Unplotted flows	TRM shows flows between graph elements that are not yet plotted so that investigators can quickly find and visualize relevant and potentially hidden connections.
Multi-route pathfinding	<p>Go beyond “largest path plotting” to automatically tracing every path between an address and any entity or category through multiple hops. TRM offers best-in-class path-finding and indirect exposure capabilities.</p> <p>Unlike other solutions which show invalid or logically impossible paths, TRM only surfaces paths that are time-ordered. This significantly reduces time-consuming manual verification of paths and improves usability in an evidentiary context.</p>

Cross-chain tracing	One-click trace through 72 blockchain pairs and over 25 million cross-chain swaps in a single graph.
Fingerprint Explorer	Identify BTC transactions that follow a similar pattern to accelerate investigating mixers and unknown services. Search the full BTC blockchain using 50+ filters to find transactions of interest. Create and save preconfigured combinations of filters that users want to use regularly and then load them when needed with a single click.
Signatures®	Proactively detect suspicious activity with advanced blockchain pattern recognition to overcome systemic money laundering activities. Powered by advanced machine learning, Signatures automatically uncover suspicious patterns across multiple transactions that might otherwise go unnoticed—giving users confidence that no investigative angle is left unconsidered.
Transfer labels	Transfer labels are a dataset that enriches the context of what specific transactions signify on-chain—essential to building a case. Most tools reflect the flow of funds between entities simplistically with no signal of the purpose of the transaction. Transfer labels allow for examining a transaction to understand what is happening within it, such as messages being stored on the blockchain, the creation of a smart contract, funds being stolen on-chain or the payment of ransom.
Demixing support	The TRM “auto-demix” empowers investigators to demix complex cases immediately and independently in the platform, reducing the need for additional case support, streamlining the investigative process and aiding in uncovering critical information.

	<p>TRM also enables investigators to submit Demixing Requests through the platform for customized demixing. The demixing process will depend on the specific circumstances and the mixing platform used.</p>
Account record ingestion	<p>Streamline transaction analysis by filtering out the noise and focusing solely on the data that matters. By inputting the transaction hashes along with the destination address, direction, asset, and blockchain details, TRM will “pre-clean” and remove any extraneous outputs that do not match the details provided.</p> <p>For example, plot transactions from a subpoena return, evaluate data from SARs, or process any substantial dataset.</p>
Custom graph elements	<p>Expand analysis beyond the blockchain, providing unparalleled context to graphs. Custom graph elements allow investigators to seamlessly integrate on and off-chain elements, enabling a clearer narrative of the flow of funds.</p> <p>Made up of off-chain nodes and custom connections, investigators can reconstruct and visualize complex real-world scenarios with unprecedented depth, such as showing funds flowing to or from off-chain institutions.</p>

Deconfliction and Collaboration

CAPABILITY	DESCRIPTION
Auto-graph deconfliction	Easily identify related investigations when tracing. Get notified when a plotted address or entity appears in another graph that’s been shared with the user.

Interested Investigators	<p>Investigators can indicate interest in blockchain addresses they are investigating, and see when other users have indicated interest in blockchain addresses they have searched or plotted.</p> <p>Users can customize who can see their interest in an address, from just their agency to a custom network of agencies. This enables data deconfliction and collaboration across agencies and jurisdictions.</p>
Case management	<p>TRM was the first to introduce case management. Consolidate and manage all details of an investigation such as graphs and notes in one place, enabling investigators to organize everything from the first transaction to the final report. Track addresses, entities, and relevant graphs, add notes and attachments for references, and monitor case dispositions with custom properties.</p>

Field Agent Support

CAPABILITY	DESCRIPTION
OCR detection	<p>Easily act on blockchain artifacts found on scene with OCR detection. Convert physical artifacts to blockchain data by taking a photo of blockchain addresses or transaction hashes to view on-chain activity.</p>
Mobile forensics	<p>Make on-the-spot decisions with enriched blockchain data and threat intelligence. Instantly access TRM's data to reveal address information including balance, volume of transactions, portfolio of digital assets and links to known services or entities.</p>

Services and Support

CAPABILITY	DESCRIPTION
Principles-first training	<p>Join over 13k learners who are being equipped to defeat today's threats with training and certifications. Learn from renowned investigation experts who have years of law enforcement experience.</p> <p>Select from a range of online, self-paced courses and certifications designed for beginners to the most advanced blockchain investigators.</p>
Global investigative support	<p>A dedicated team of elite investigators with decades of combined experience who specialize in blockchain intelligence, complex financial investigations, crypto training, and more. Available as embedded resources, on-demand and through Ask the Investigator sessions.</p>
Customer support	<p>Receive white glove service with expert guidance and support from a team of former law enforcement investigators. Access to support is available 24/7, ensuring effective use of the product at any time. Connect through flexible communication channels such as chat, tickets, forums and dedicated customer webinars</p>
Intel briefings	<p>Get leading edge insights from leading threat analysts. Deep dive on emerging trends across threat categories, and learn how to leverage crypto insights and TRM to support investigative workflows.</p> <p>Example briefings include Chinese fentanyl precursor vendors, pig butchering scams, and terrorist financing groups preferred platforms, assets, supporters, and tactics.</p>

<p>LEO Labs</p>	<p>Join TRM's law enforcement-only monthly working group where experts from TRM Labs and law enforcement speakers from around the world present investigative strategies, trends, and best practices for mitigating the illicit use of virtual currency.</p>
<p>Snap Leads</p>	<p>TRM's expert investigators proactively generate and share leads related to on-chain illicit activity with customers.</p>