

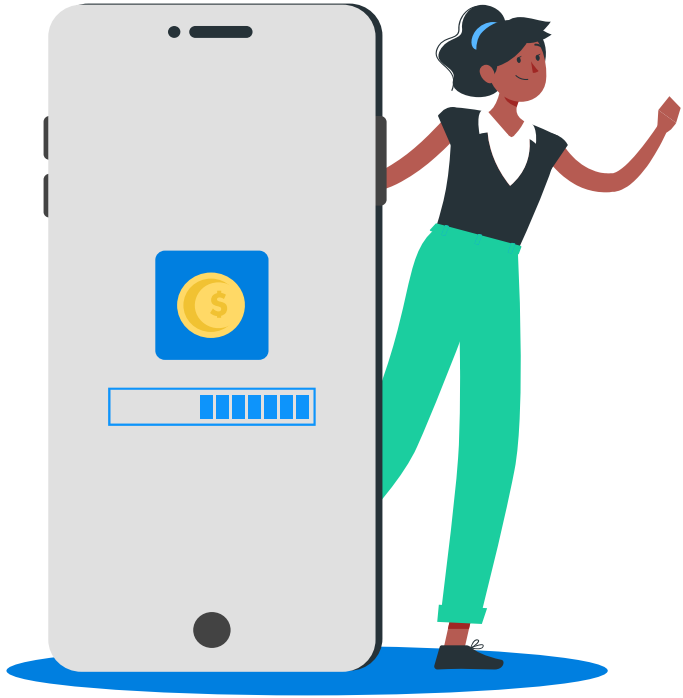
TRISA Envoy:

**Flexible & Secure
Travel Rule Messaging**





Agenda



1. Intros
2. Product Presentation
3. Demo
4. Q&A



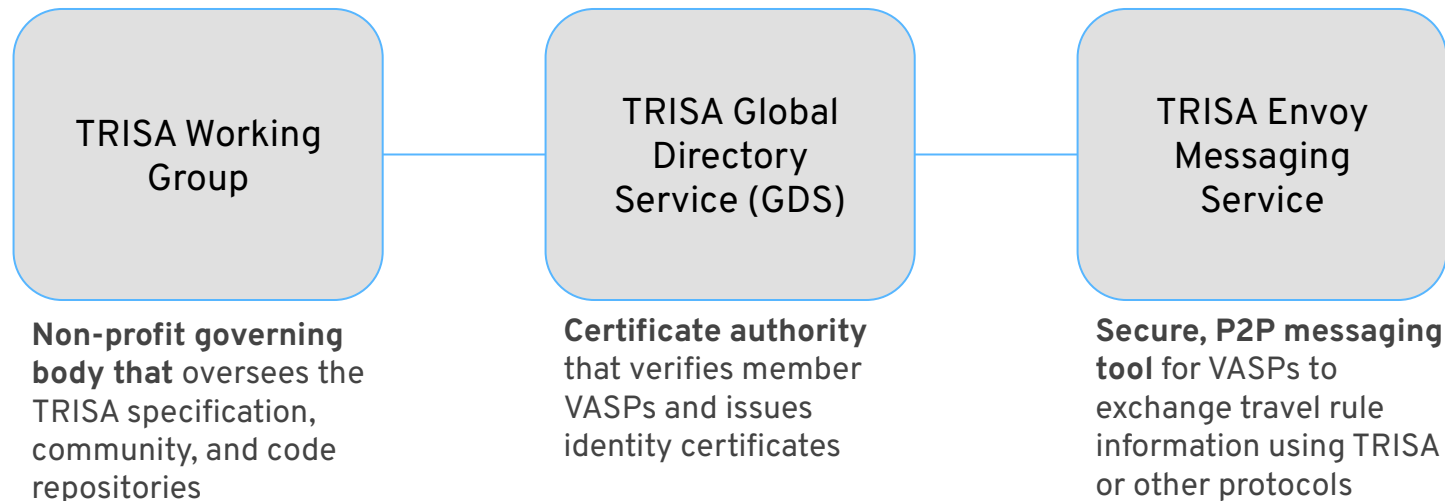


About TRISA

- **TRISA** = Travel Rule Information Sharing Alliance; a non-profit professional working group est 2020
- **Mission:** Support global digital asset ecosystem with an open & secure messaging protocol for FATF travel rule
- The TRISA protocol employs **proven technology & standards:**
 - **Trust:** Certificate authority model & x.509 identity certs
 - **Security:** Public key infrastructure & mTLS
 - **Privacy:** Peer-to-peer network
 - **Accessibility:** IVMS101 data structure
 - **Interoperability:** Open source
- TRISA's [Global Directory Service](#) (GDS) is a network of trusted VASPs.
- Rotational Labs is an authorized TRISA Service Provider (TSP).



TRISA “Org” Chart



Note: TRISA will join the [OpenVASP Association](#) in Fall 2026 to advance open standards.



Guiding Principles

- Make travel rule data exchanges **accessible**
- Make travel rule compliance **affordable**
- Prioritize **privacy** and **security**
- Make a solution that is **open & flexible**

Notable Travel Rule Enforcement:

- EU = July 30 (technical)
- S. Africa = April 30
- Turkey = Feb 25

TRISA Envoy

What is TRISA?

TRISA is an **open source, secure communications protocol** (or specification) designed to help verified VASPs securely exchange customer information for Travel Rule compliance.

TRISA applies Public-Key Cryptography Standards (PKCS) and Public Key Infrastructure (PKI) to guarantee privacy and security.

What is Envoy?

Envoy is an **encrypted, open source messaging service** built on top of TRISA to help compliance teams exchange travel rule information efficiently and securely. While TRISA is **Envoy's native communication protocol**, Envoy is protocol-agnostic.

Send P2P encrypted messages to counterparties using **TRISA, TRP, or email. Message in-network and out-of-network counterparties.**



TRISA Envoy

Key Benefits

- **Intuitive UI:** Send and receive encrypted messages with a user-friendly interface.
- **Out-of-Network Messaging:** Message counterparties outside TRISA/ TRP.
- **Encrypted P2P Communication:** Protect your customer's privacy.
- **Dev-friendly API:** Standard JSON REST API so you can customize the experience.
- **Address Confirmation:** Use stored wallet addresses to do address confirmation go assist with VASP discovery.

Not included

- Does not include **on chain analytics or automated KYC/ AML checks**
- Use your own analytics provider.
- Future plug-ins may be available for analytics or KYC checks
- Strictly a **VASP-to-VASP secure messaging service** designed to meet FATF requirements
- Does not yet support self-hosted wallets



UI: For Compliance Teams

- Encrypted “email” inbox for secure messaging - protect PII!
- Create, send, and manage **secure envelopes**, TRISA’s **encrypted payload** for exchanging IVMS101 data
- Three messaging options (with more to come)
- Manage customer accounts, counterparty VASPs, and keys
- Integrate with your systems
- Synced with TRISA’s Global Directory Service (GDS)

UI: For Compliance Teams

 **Envoy**

 Transfer Inbox

 Customer Accounts

 Counterparty VASPs

UTILITIES

 Travel Addresses

 Access Management

DOCUMENTATION

 Basics

 API Reference

 Node Info v1.0.0

Charlie rVASP

TRAVEL RULE

Transfers & Messages

Active Transfers 139

Archived 4



25 per page 

SOURCE	STATUS	COUNTERPARTY	ORIGINATOR	BENEFICIARY	VIRTUAL ASSET
	Pending	Rotational	Tarun Behl	Indira Chahaun	BTC
	Pending	Osprey Pte. Ltd.	James Ginator Bradford	Clora Benif Jenise	BTC
	Pending	Osprey Pte. Ltd.	James Ginator Bradford	Clora Benif Jenise	BTC
	Rejected	Osprey Pte. Ltd.	bc1qwh8lfccf3m7d207ln7j3d479pdgggl97a0u6khh	12higDjoCCNXSA95xZMWUdPvXNmKAduhWv	BTC
	Pending	Osprey Pte. Ltd.	James Ginator Bradford	Clora Benif Jenise	BTC
	Review	Osprey Pte. Ltd.	bc1qwh8lfccf3m7d207ln7j3d479pdgggl97a0u6khh	12higDjoCCNXSA95xZMWUdPvXNmKAduhWv	BTC
	Rejected	Osprey Pte. Ltd.	bc1qwh8lfccf3m7d207ln7j3d479pdgggl97a0u6khh	12higDjoCCNXSA95xZMWUdPvXNmKAduhWv	BTC
	Review	Osprey Pte. Ltd.	Henry Ford	12higDjoCCNXSA95xZMWUdPvXNmKAduhWv	BTC

Supports Multiple Protocols

 **Envoy**

 Transfer Inbox

 Customer Accounts

 Counterparty VASPs

UTILITIES

 Travel Addresses

 Access Management ▼

DOCUMENTATION

 Basics ▼

 API Reference

 Node Info v1.0.0

Charlie rVASP



TRAVEL RULE

Send a Travel Rule Message

When a virtual asset transfer crosses national borders, the sending and receiving financial institutions may have to exchange PII information about the account holders & counterparties involved in the transfer.

Available Protocols

Envoy supports the following protocols; each of which have to be enabled and configured.

🛡️ TRISA

⚡ TRP (OpenVASP)

🌅 Sunrise

The Sunrise protocol is used when the counterparty is not a TRISA member or when you do not have a travel address to send a TRP message.

First, identify the email address of the compliance officer or other responsible party at the recipient VASP; then create a secure message to send a secure verification link via email.

[Send Sunrise Email](#)

Envoy Supports Out-of-Network Messaging

What if your counterparty is not part of TRISA or TRP?

- You can start an encrypted data exchange using email (you must know the counterparty's email address)
- Counterparty receives an email with a *secure link* to complete a verification process to prove identity
- No PII is exchanged in email; email is used only to initiate the process; uses encrypted HMAC tokens
- All data transfers flow through the Envoy UI or API



DayBreak Contact Database

- **Managed service users** have access to Daybreak, an email contact database for 1,500 VASPs. (not available open source)
- Quickly send Sunrise Email messages to counterparties outside of TRISA and TRP.

COUNTERPARTIES

Manage Counterparty VASPs

[All Counterparties](#) [TRISA GDS](#) [Daybreak Counterparties](#) [Your Counterparties](#) [Add Counterparty](#)

Q Search 25 per page Filter 0

NAME	WEBSITE	COUNTRY	PROTOCOL	TRAVEL ADDRESS	ADDED
AmoPay	https://amopay.io	LT	sunrise	mailto:anneliese@amopay.io	May 10, 2025
Anclap	https://anclap.com	AR	sunrise	mailto:mariano@anclap.com	May 10, 2025
Andx Tr	https://andxturkiye.com	TR	sunrise	mailto:gunes@andxturkiye.com	May 10, 2025
Anubi Digital	https://anubidigital.com	IT	sunrise	mailto:diego@anubidigital.com	May 10, 2025

Key Point: Envoy & Blockchains

Envoy is a messaging service that sits on top of the blockchain.

- Envoy and blockchains are separate; they are decoupled.
- **No data is written to the blockchain;** you don't want your customers' PII permanently on the blockchain!
- Instead, you store encrypted secure envelopes for each transaction in your storage system.
- You can store secure envelopes by customer, jurisdiction, date, etc.; it's up to you.
- If you receive an audit request or legal enforcement action, then you can decrypt the relevant envelopes with your keys.



REST API: For Compliance at Scale

Envoy offers a REST API for integration and customization, including:

- **Secure Access:** The API is internal, accessible only via secured IP endpoints.
- **Transaction Handling:** Supports callback URLs to manage incoming transactions automatically.
- **Resource Management:** Provides full control over node resources.
- **Developer Support:** Includes OpenAPI docs, a client generator, and Python & Go SDKs.

This setup ensures flexibility and security for compliance needs.

TRISA Node API v0.1.0 OAS 3.0

The TRISA Node API allows users to interact with the TRISA Self-Hosted Node in a programmatic fashion. This API is a JSON REST API that does not have authentication -- it is intended that this API is served on an internal IP address with routing only available to internal services.

[Terms of service](#)
[Contact the developer](#)
[MIT Licensed](#)
[TRISA Developer Documentation](#)

Servers

[Authorize](#)

account Stored information about your user/customer accounts. ^

[GET](#) /v1/accounts List customer accounts ^

[POST](#) /v1/accounts Create customer account ^

[GET](#) /v1/account/{accountID} Find account by ID ^

[PUT](#) /v1/account/{accountID} Updates an account record ^

[DELETE](#) /v1/account/{accountID} Deletes an account ^

crypto_address Associate crypto addresses with user accounts. ^

[GET](#) /v1/accounts/{accountID}/crypto-addresses list all crypto addresses for account ^

[POST](#) /v1/accounts/{accountID}/crypto-addresses Create crypto address ^

[GET](#) /v1/accounts/{accountID}/crypto-addresses/{cryptoAddressID} Get specific crypto address ^

Envoy Implementation & Cost

Implementation	Cost	Compliance Features
Self-host	\$0	• You install, configure, integrate, deploy, and maintain yourself • Provide your own time, compute & data storage • Start by registering with TRISA's GDS to get your certificates
Managed Service	\$375/ month/ node (min 6-month commitment)	• Rotational will configure, host, maintain, & support your Envoy service • You have immediate, dedicated and encrypted travel rule messaging • Includes hosting, support, maintenance, backups, and automatic upgrades of new feature releases. • Hosting is dedicated and regional for GDPR compliance • Daybreak database and TRISA GDS registration included
Custom Implementation	\$TBD (one-time fee)	• Rotational will install and configure Envoy in your environment • You host, maintain, and support your Envoy service. • One-time setup fee (only if running on your infrastructure) • Includes API access but NOT API integration • Add-on: Rotational can provide quarterly support service

Note: You can start with the Managed Service and transition to open source at a future date.

Data Storage and Security

Data Storage

Envoy **stores compliance data locally**.
Open source implementers must:

- Provision enough disk for **long-term** travel rule data storage.
- Ensure that disk is **secured/encrypted** with keys
- Currently only sqlite3 supported, but postgres and other databases can be added

Note: Hosted service includes regional data storage.

Security

TRISA cryptographic security applies to Envoy. Messages are secure envelopes using **multi-stage strong encryption**.

- **In flight:** All data transfers are **secured by mTLS**.
- **At rest:** Travel Rule PII is stored as **secure envelopes** (with original cryptography for non-repudiation).

Some information is extracted for lookups, but is not PII.

Managed Service: Regional Nodes

If you opt for the managed service, Envoy compute and data storage service is available in:

- Germany
- USA
- Singapore
- South Africa
- India
- Brazil

Helps comply with data privacy (eg GDPR) and sovereignty requirements.

Time to Compliance (Estimated)

		Host	
		Rotational Labs	Your Infrastructure
TRISA Membership Status	Current Member	24 hours	2-4 weeks
	Not Yet a Member	7-14 days	3-6 weeks

Important Resources

Open source code & resources are available at:

- **Implementation & Pricing:** <https://travelrule.io/envoy> (demo video)
- **Demo node:** <https://charlie.vaspbot.com/> (request access)
- **Github Repo:** <https://github.com/trisacrypto/envoy>
- **DockerHub:** <https://hub.docker.com/r/trisa/trisa>
- **Documentation:** <https://trisa.dev>
- **Global Directory Service (GDS):** <https://trisa.directory>
- **TRISA Slack:** trisa-workspace.slack.com
- **TRISA Support:** support@travelrule.io



Why Choose Envoy?

1.  Open Source & Flexible
2.  Interoperable & Extensible
3.  Simple, Secure & Affordable

Next Steps

If you'd like to move forward with the **open source self-hosted option**:

- Register with TRISA GDS to obtain identity certificates
- Download Envoy Docker image on DockerHub and Helm install
- Configure, test, and deploy yourself
- Documentation is available at trisa.dev

If you'd like the assisted implementation or managed service options:

- Contact Edwin Schmierer, Rotational Labs, edwin@rotational.io
- **Custom implementation** requires Deployment Services Agreement (DSA)
- **Managed service** requires Managed Services Agreement (MSA)