How can blockchain technology transform your supply chain network?

EY OpsChain Traceability

EY

Building a better working world

The better the question. The better the answer. The better the world works.

Client FAQs

EY OpsChain Traceability allows enterprises to create and help manage digital representations (tokens) of real-world assets. These tokens can be used to seamlessly track and identify an organization's goods and services across its global supply chain network.

What is the technology behind EY OpsChain Traceability?

EY OpsChain Token Service performs operations using tokens and represents real-world assets of public blockchains. In ad-tion, it can leverage on public blockchains and can leverage the use of Nightfall, a privacy application we helped develop into the public domain, to enable confidentiality for token move-ments if required.

What are the supported token standards?

EY OpsChain Traceability asset tokenization supports generic token standards for supply-chain use cases ERC721, ERC1155 and ERC3525. The service is also ready to support other standards, depending on client needs.

How can I deploy smart contracts and mint tokens using the service?

The team, using core service OpsChain Token Service, provides enterprise-grade APIs that allow you to deploy smart contracts and mint tokens with ease. API documentation offers clear guidelines and examples to help you get started quickly.

What blockchain networks are compatible with EY OpsChain Traceability?

EY OpsChain Traceability is built to work on public blockchains such as Ethereum or Polygon Mainnet and has built-in integration of the latest EY-contributed public domain source code, Nightfall. Nightfall creates privacy-enabled transactions on the public Ethereum blockchain, providing transaction confidentiality and protecting critical data.

What are the typical enterprise use cases for asset tokenization within EY OpsChain Traceability?

EY OpsChain Traceability is a solution that can be applied to several use cases, such as: real-time visibility of movement and efficiency through an automated inventory of goods; transparency, compliance and anticounterfeiting; supporting industries like logistics, retail and consumer goods, life sciences, energy and many others.

Is EY OpsChain Traceability suitable for both large enterprises and small businesses?

Yes, the service is designed to accommodate the needs of businesses, large and small. It can be scaled up and down and tailored to suit the size and complexity of your operations.

Can you provide an example of how Nightfall can be used in a supply chain scenario with EY OpsChain Traceability?

In a supply chain context, Nightfall can be used to protect sensitive information about suppliers, stock volumes and asset metadata.

Is data processed through Nightfall truly confidential or can it be audited when necessary?

Data processed through Nightfall is confidential, but it can be selectively disclosed when required. This flexibility allows for both privacy and compliance.

How can I get started with EY OpsChain Traceability?

To get started, read the technical documentation, and contact the team for a consultation. EY teams will assess your specific requirements and guide you through the integration process, help ensuring a seamless experience.

Continuing the conversation

To more information and to have a demonstration of EY OpsChain Traceability, contact the team below.

Federico De Poli
EY OpsChain Product Manager
federico.de.poli@it.ey.com

Vito Domizio
EY OpsChain Token Service Product Owner
vito.domizio@it.ey.com

EY | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.