Make Data Useful

Today, we produce more digital data than ever. The onset of the Internet of Things will increase the amount of data by 79.4 zettabytes by 2025 and accelerate its growth.

PROBLEMS

• How can we organise this data?
• How can we share it across systems and industries?
• How can we use it to reduce costs, increase efficiency and unlock an estimated $11.1 trillion economic value?

SOLUTIONS

Streams is an organizational tool for structuring and navigating secure data through the Tangle. Streams organizes data by ordering it in a uniform and interoperable structure.

How does IOTA Streams work?

**STREAMS**
All branches of a Stream reference a common root branch and state associated with the original publisher, thus guaranteeing data authenticity.

**THE TANGLE**
Data is secured in an immutable distributed ledger, the Tangle.

**PUBLISHERS**
Publishers can send non-encrypted, open, data in a Stream for everyone to see. Publishers can also restrict access to their data or make it completely private using public key encryption.

**SUBSCRIBERS**
Subscribe to different Streams and pull information from the Tangle to integrate into applications and guide your decision making. Subscribers can also contribute data to a Stream using various types of cross referencing messages.
Controlled Data Sharing
IOTA Streams enables infinite use cases for the benefit of individuals, businesses and society

- Car manufacturers can incentivize data sharing through reduced costs of replacement parts, a higher degree of benefit from appropriate recalls and IOTA update mechanisms for new software capabilities.
- Personal Data Stream can be sold or managed through a user facing application.
- OEM Data Stream can be used by OEM to refine end products using near-real-time data that should be available to the OEM.
- Public safety data can be used by local government to make relevant decisions that impact the city and the resident that owns the vehicle.
- Compartmentalized Data Streams for the Source.

The IOTA Foundation offers a wide variety of services to help you explore the different possibilities of integrating IOTA Streams for your needs

- **Explore**
  Book a workshop to understand IOTA Streams use cases and value for your technical infrastructure.
  - Exploration Workshop
  - Developer Workshop

- **Develop**
  Draw on our expert knowledge and dedicated technical support services to deliver a Proof of Concept for your IOTA Streams use case today.

- **Engage**
  Join our partner network to showcase and scale your IOTA solutions through a diverse and innovative global ecosystem.

Didn't find what you were looking for or have more questions?
Contact us under streams@iota.org and learn more at www.iota.org