

# GLOBAL INFRASTRUCTURE FOR DATA SHARING BETWEEN BUSINESSES

PROBLEM STATEMENT / VERSION 1.0.0 / JANUARY 31, 2020

To promote value creation using data, we are working on building an international and open ICT infrastructure that enables data to be provided, shared, and utilized securely, at low-cost, and quickly among companies in all types of industries around the world while maintaining the data owner's data sovereignty. We aim to collaborate and grow with companies, communities, and governments around the world who are working to overcome similar challenges.

## PROBLEM STATEMENT

With the development of digitalization technology, the digital transformation of businesses in various industries is accelerating. The digitalization of an entire business's operations, including both internal and inter-company operations, will promote the growth of the world economy by creating new value and is also expected to reduce the risks of society as a whole.

However, although the digitalization of internal operations within individual companies is gradually progressing, the digitalization of inter-company operations is not progressing as desired. For companies to share the data that they need to perform their business with other companies, they must face the following challenges:

- The company's data cannot be shared with other companies because of the risk that important data and business secrets could be exposed.
- Checking who will use the company's data and how those parties will use it is impossible when a company shares data with other companies.
- Checking if data provided by other companies is accurate and generated by legitimate means or whether it benefits one's own company is impossible.

- Although there are many platforms for data utilization, ID systems and data are siloed for each industry, purpose, and company, and a mechanism that enables secure, low-cost, and quick sharing of company data across industries, purposes, and companies does not exist.

In other words, the high risk and high cost of inter-company data sharing limit the scope of data sharing to data that has clear business value if shared and to parties who have already established legal and organizational trust.

## THE OPPORTUNITY

We believe that a global infrastructure for data sharing between businesses ought to be open and global infrastructure that can connect various existing systems for each industry, purpose, and company as a single large distributed system, acting like a highway that can reduce cost and promote data sharing between companies. We also believe that such infrastructure ought to have the following features:

- Distributed design
- Data sovereignty
- Data free flow and value creation
- Authenticity, trust, and security

Diverse challenges must be overcome to build a global infrastructure for data sharing between businesses as described above, and no single country or company can overcome them all. Therefore, we collaborate with companies, communities, and governments around the world who are working to resolve similar issues, and we provide opportunities to work and grow together.

## CONTACT

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