intertrust®

A multiparty platform for trusted data interoperability

Missing piece for digital-first initiatives

As companies adopt a digital-first paradigm, they are scrambling to rebuild their systems, processes and ways of doing business. While they are rightly looking at ways to improve their data operations and governance capabilities, their focus is often flawed—because it is largely internally focused, aimed at streamlining operations within the enterprise.

Yet with this approach significant competitive advantage is lost: They are not addressing how their company connects to systems, partners and vendors outside the confines of their enterprise. Given the global and interconnected nature of today's collaborative economy, companies need trusted collaboration with a vast ecosystem beyond the immediate perimeter of their organization.

Truly disruptive companies, the ones driving the move to digitization in the first place, have created economies of scale and rapid distribution models by looking at their business through a wider lens. They operate more nimbly, with faster time to market, greater innovation—and fewer friction points to provide greater customer delight. They use this to exceed customer expectations—with seamless experiences such as branchless banking, contactless health, cloud and event-based data operations, and distributed/automated business tools.

FORTUNE 500 EXECUTIVES ADMIT

https://hbr.org/2021/02/why-is-it-so-hard-to-become-a-data-driven-company

THEY ARE EARLY IN THEIR DIGITAL JOURNEY

88%
report greater urgency to invest in big data

69%
admit they have not created a data-driven org

75%
cite a fear of disruption as a motivating factor

The rise of multiparty ecosystems

Multiparty data-driven ecosystems are on the rise, and this surge is partly due to recent supply-chain failures that have hampered today's economy. But it is also the natural outcome once an organization uncouples itself from siloed, inwardly focused operations.

When organizations look to connect and interoperate with a common data infrastructure and a trusted business environment between participants, new visibility and revenue models appear, along with greater responsiveness to customer needs.

Traditional ways of connecting to a service or set of services through one vendor's data framework are less scalable and flexible because they require you to lock in to a single service provider. Not only does this give you less control and visibility, it also impedes you from connecting this to others across other services and systems in your company and beyond.

Since you cannot connect your network of services through one shared platform, it also is difficult to govern your data, and have a common language for normalizing your data. This makes it harder to not only operate in real time, but also to account for what has happened in your business, for auditing, reporting and conforming to requirements, such as privacy regulations.

Moreover, If the data resides in siloes or different cloud systems or proprietary databases it's not interoperable and it is of little business use. It also impedes collaboration with other businesses or multiparty ecosystems. Without governance capabilities that span services and operations from various parties, all are at risk for privacy violations, data breaches, and piracy.

intertrust.com/platform

Three key components to meet today's data challenge

For companies looking to not only participate in emerging, multiparty ecosystems, but to thrive within them, they need three key components to work in harmony with one another: *trust, interoperability*, and *collaboration*.

These components must operate together, and ideally within a shared platform that can manage data with utmost flexibility, scalability, and governance.

1 Trust

Give trusted access to "good" data, with agreed upon protocols, immutable identity, and auditable credibility of the data. Efficiently access, exchange, and share critical data with full security and privacy protection.

2 Interoperability

Let your end-users run the software they want, instead of locking them into a monolithic solution or siloed service. Support existing data architectures and processes and integrate to a wide range of data sources.

3 Collaboration

Encourage collaboration between ecosystem participants and bring together data owners and service providers in a seamless way. Normalize taxonomies/schemas so everyone is speaking the same language.

A platform for trusted interoperability

So how can companies operate across multiparty ecosystems protected, secure, trustworthy data workflow environments to run analytics or collaborate on data?

Companies in the ecosystem require trustworthy data interoperability to operate effectively and mitigate risks associated with sensitive data and intellectual property.

Enter the Intertrust Platform™

The Intertrust Platform provides fine-grained data access and authorization control over applications. It allows companies to deploy and govern data and third-party services across multiparty ecosystems. It keeps data secure, usable, and interoperable—by explicitly defining the scope of access for every user.

It gives customers trusted device identities and authenticity through a system-based approach to trust where all the software on a device is "digitally signed" through a public key infrastructure.

Data between parties is fully interoperable via a virtualized interoperable layer which sits on top of the data source. This enables data queries and processing uncoupled from cloud data frameworks. The data can be analyzed wherever it is, rather moving it to a data lake or warehouse.

Provide trusted and fully controlled data access, where all requests for data go through the rights and permissions set by the data owner. Set granular control and consent down to a dataset row, column, or even a single cell.

1 Data virtualization

Avoid data duplication or migration to a data lake or centralized data warehouse. Create logical datasets from existing data stores located on-premise or in the cloud and securely access them via Spark, JDBC, and REST APIs.

2 Data governance

Set fine-grained govern access to data located in multiple databases, object stores, or file systems from a single point of control. Row and column-based restrictions allow policies to be tailored to the needs of data consumers.

3 Secure execution

Deploy algorithms, workloads, and services in isolated execution environments with dedicated memory and compute. Collaborate with third-parties without exposing data or intellectual property.

What are the benefits of using the Intertrust Platform?

1
Agility
Allow data consumers to self-service and facilitate the development and deployment of models and applications without dependencies on IT departments.

2
Compliance
Provide secure data access and governance across all of the organization's data assets; enforced all access requests and workloads.

3
Cost efficiency
Reduce development time and eliminate redundant infrastructure and data storage— improving operational efficiency.

4
Productivity
Focus on your data science and developers on their core competencies and key initiatives instead of data discovery and preparation tasks.

5
Innovation
Eliminate data friction and ensure privacy controls, so you can explore new revenue streams, business opportunities, and data-driven innovations.

6
Neutrality
Stay vendor-agnostic and avoid being locked into a monolithic vendor or service provider that perpetuates poor data interoperability and inflexibility.

Take advantage of your multiparty ecosystem

Free your organization from siloed, inwardly focused operations that prevent new ways of succeeding in today's collaborative economy. Discover how our trusted data platform can bring interoperability across a shared, distributed infrastructure. Unleash the true value of a shared multiparty ecosystem with the Intertrust Platform.

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We can now make real-time decisions in a safe, controlled way without having to move data between systems.

Justin Grimwade
Business Information Manager, RWE

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Intertrust is the ideal partner to help leaders capitalize on growth opportunities from connecting and controlling distributed assets.

Frank Calabria
CEO, Origin Energy

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Thanks to our valuable partnership with Intertrust, not only is our data safe and shareable, we never lose control of it.

Benjamin Jambor
Managing Director & CTO, DigiKoo, E.ON

For a free demo of Intertrust Platform, visit:
intertrust.com/platform-free-demo

intertrust®

**Building trust for
the connected world.**

Learn more at: intertrust.com/platform
Contact us at: +1 408 616 1600 | dataplatform@intertrust.com

Intertrust Technologies Corporation
400 N McCarthy Blvd, Suite 220, Milpitas, CA 95035