



Enabling a Multi Party Data Platform

- An Intel Point of View

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Financial Services Industry Development

Data Is The New Oil



Source: *The Economist*, May 2017

The Future Of Data

Current Trends Continue

- “Network effects” reinforce silos
- Current data platforms:
 - grow, personal data to world data
 - challenged by regulation, protectionism



Concentrated, silo'd growth

Broad Exchange & Trade

- A new normal:
 - Exchange & trade of information
 - Value from fusing and processing diverse data from/across many actors
 - Creation of new ecosystems like AFIN



- **Data circulates**
- **Transformative business models**

Enabled by Intel advances in Trust based Computing, Memory, Storage & Connectivity

Multi-Sided Markets Require Careful Design

Design Principles:

(Source: Alvin E. Roth, Lloyd S. Shapley: Stable matching – Theory, evidence, and practical design, Nobel Prize in Economics 2012)

1. **Standards:** make data general enough to trade (context, timeliness, ...)
2. **Thickness (Liquidity):** focus on specific use cases
3. **Safety:** ensure privacy, confidentiality, prevent loss of IP
4. **Simplicity:** make it easy to participate, bring analytics to the data
5. **Avoid Congestion:** ensure transactions complete in a timely fashion

New Technologies Can Enable This...

- **Privacy Protection** (Thickness, Safety)
- **Federated Analytics** (Thickness, Safety, Simplicity)
- **Access and Usage Rights** (Safety)
- **Data Unification & Interoperability** (Standards, Simplicity)

