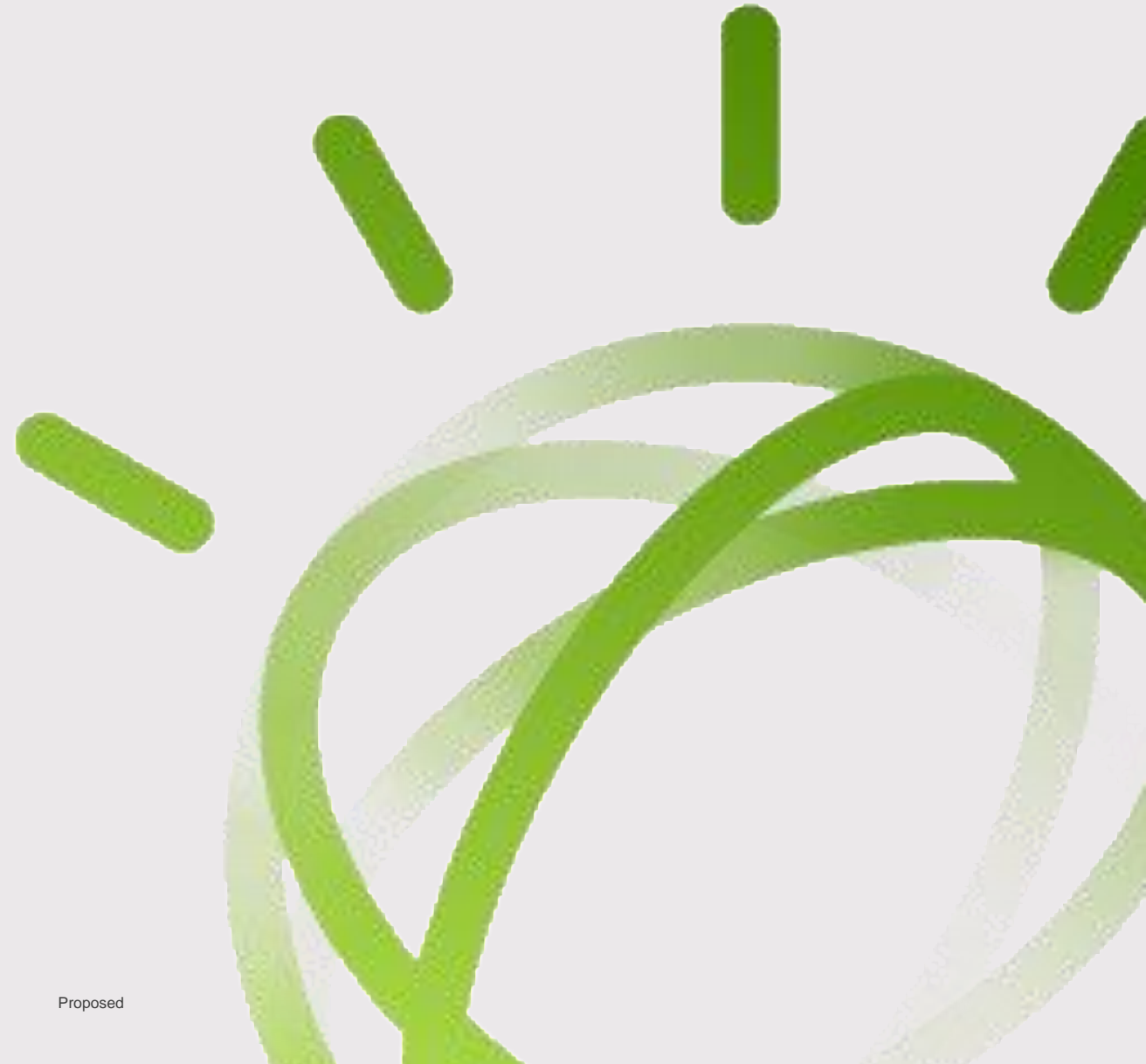


# Big Data and AI in Electronic Trade

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Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

# “But what about BlockChain”?



- Leveraging Structured Data
- Permissioned Access
- Adding value to all participants
- Lowering disputes
- Reducing Cust Service calls

IBM Food Trust™, built on blockchain, for a safer, smarter, and more sustainable food ecosystem.

TradeLens consists of every organization in the end-to-end journey of a shipment, coalescing to share a singular, granular view of the global supply chain

# What challenges are you facing today?



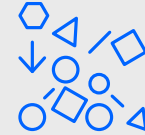
High cost structure



Business users rely heavily on IT



Downtime is Unacceptable



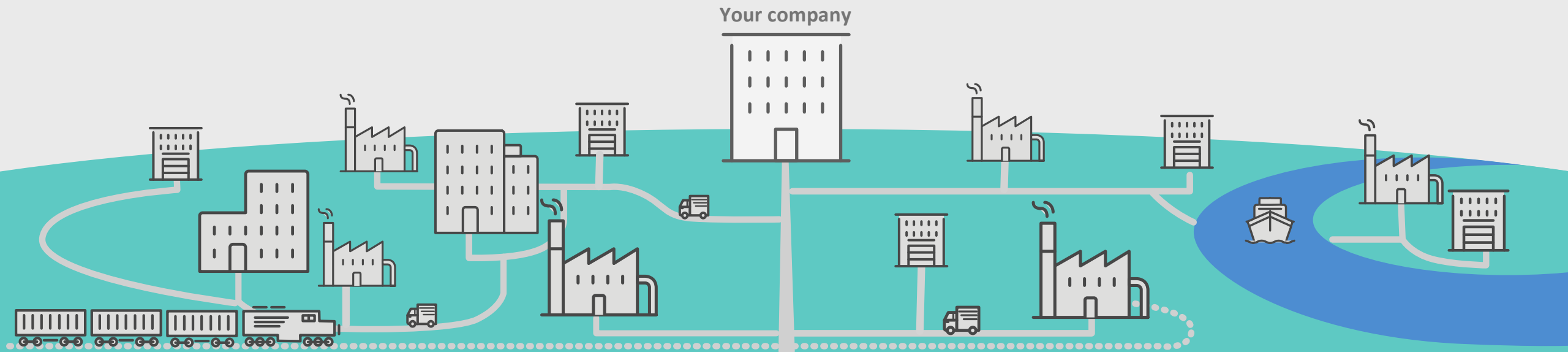
Complex / growing trading partner community



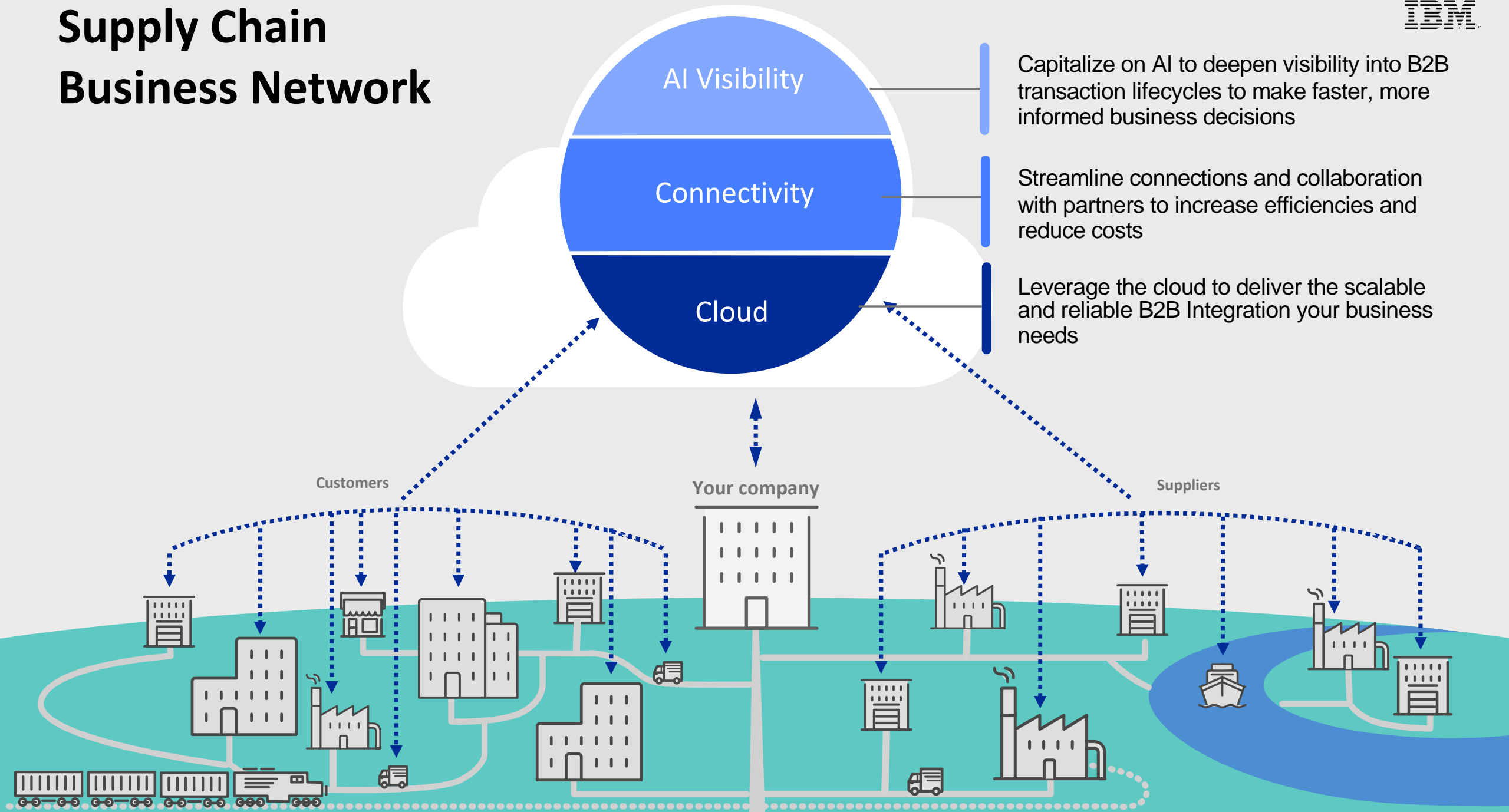
Limited inhouse skills / resources



Lack of insights into your business processes



# Supply Chain Business Network



# Business Transaction Intelligence (BTI)

Natural language search and navigation

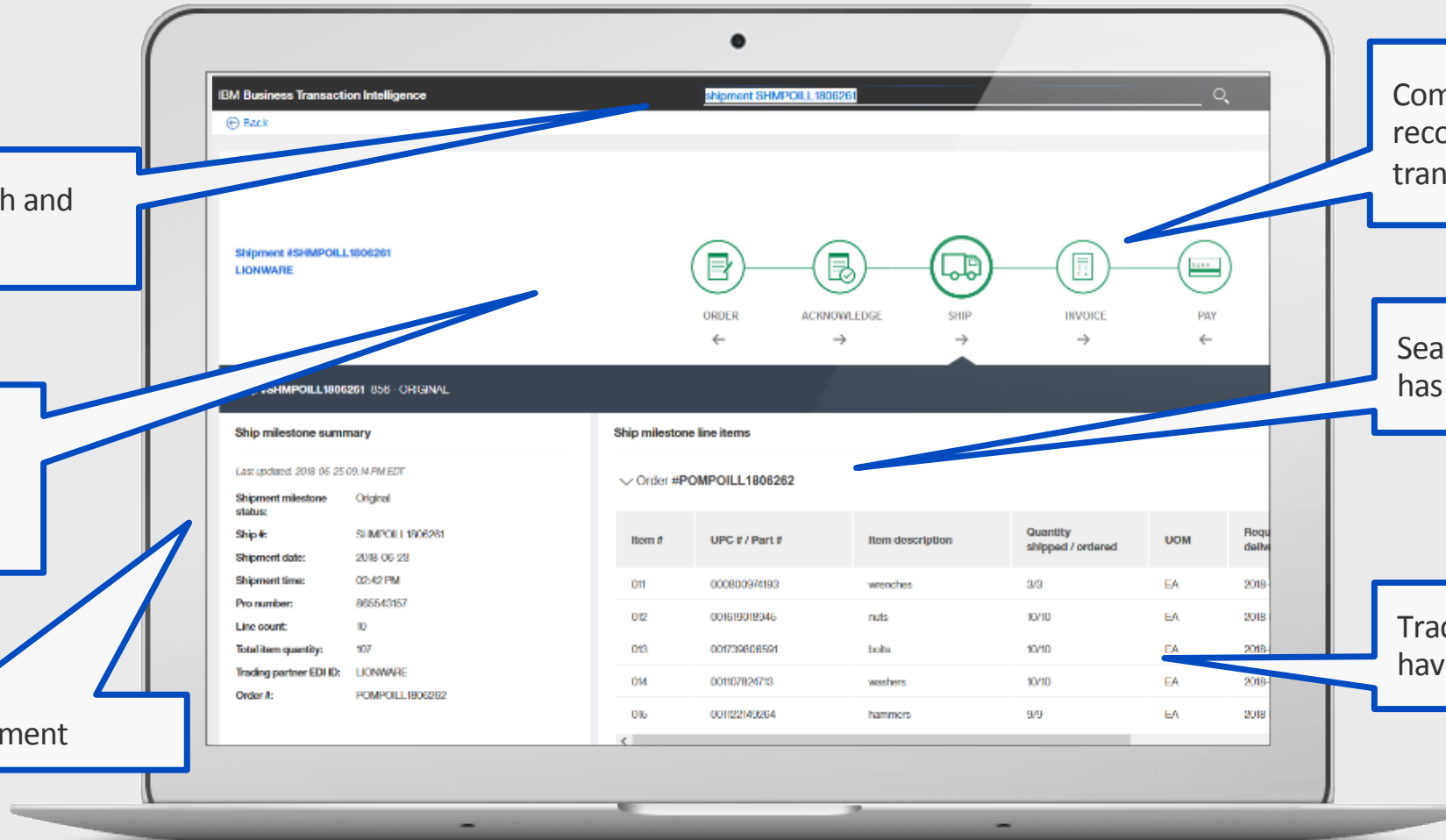
Visualize the business transaction and key milestones

Business-formatted document

Comprehensive record of the digital transaction

Search for a shipment that has multiple orders

Track how many ordered items have shipped



# Business Transaction Intelligence

1 Find anomalies with specific partners, dates, or patterns

2 See patterns and trends over time

3 Find partners who contribute to the anomaly



- Anomalies for
- **Velocity** - document qty over time
  - **Volume** – size of documents
  - **Value** – Currency value inside the document



# Drive visibility with AI

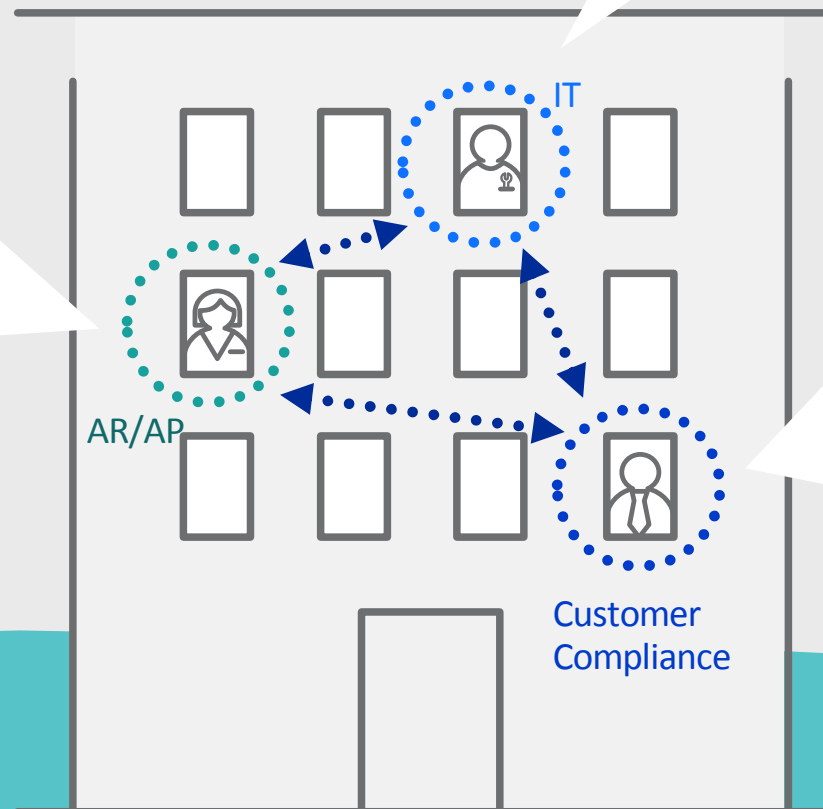


- Capitalize on AI to make faster, more informed decision
- Proactively identify anomalies and minimize business impact
- Use visibility to meet SLAs
- Increase performance and improve customer satisfaction

In the past we relied on the EDI team to retrieve this data, but now we can pull up the information ourselves.”

I used to spend half of my day, every day, simply tracking transactions for the business!

Now we see transaction status in real time—helping us successfully dispute chargebacks for data issues that were not our fault.





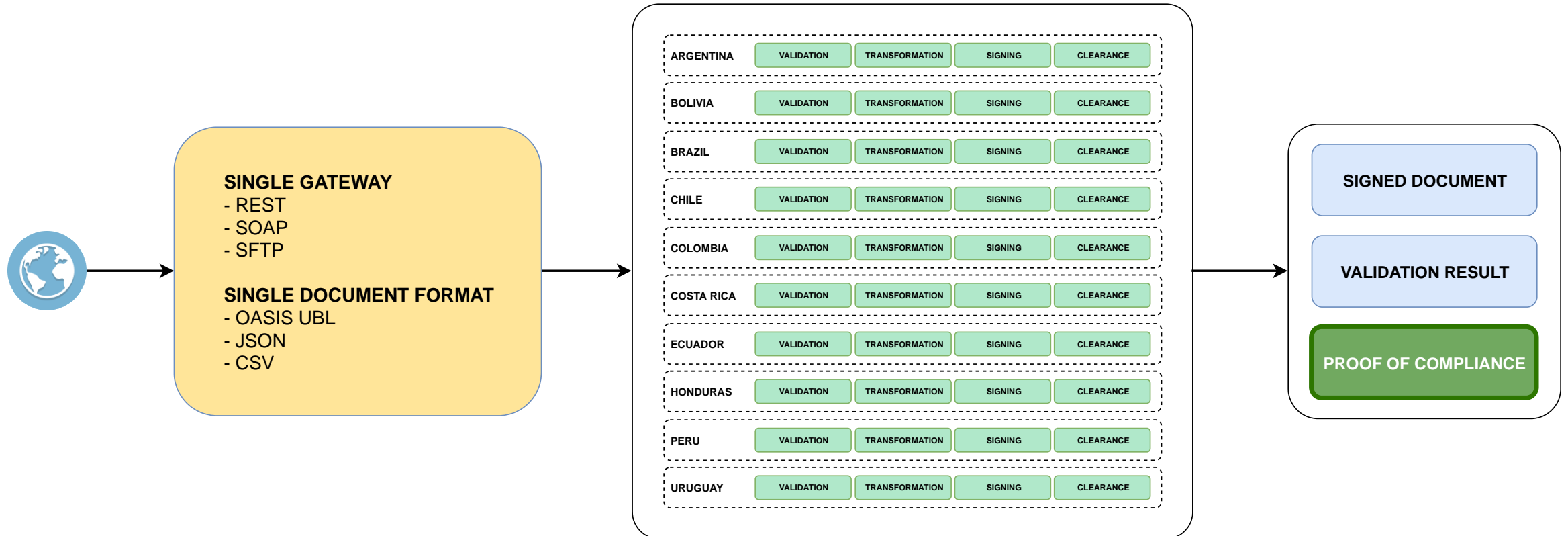
1½ billion pieces of  
information per day

- Founded in 2012
- Providing invoice validation and clearance for more than 8,000 companies
- 10 Latin American countries supported
  - Three additional planned for this year
- Single interface and single standard for all countries
- 1½ billion pieces of information handled daily



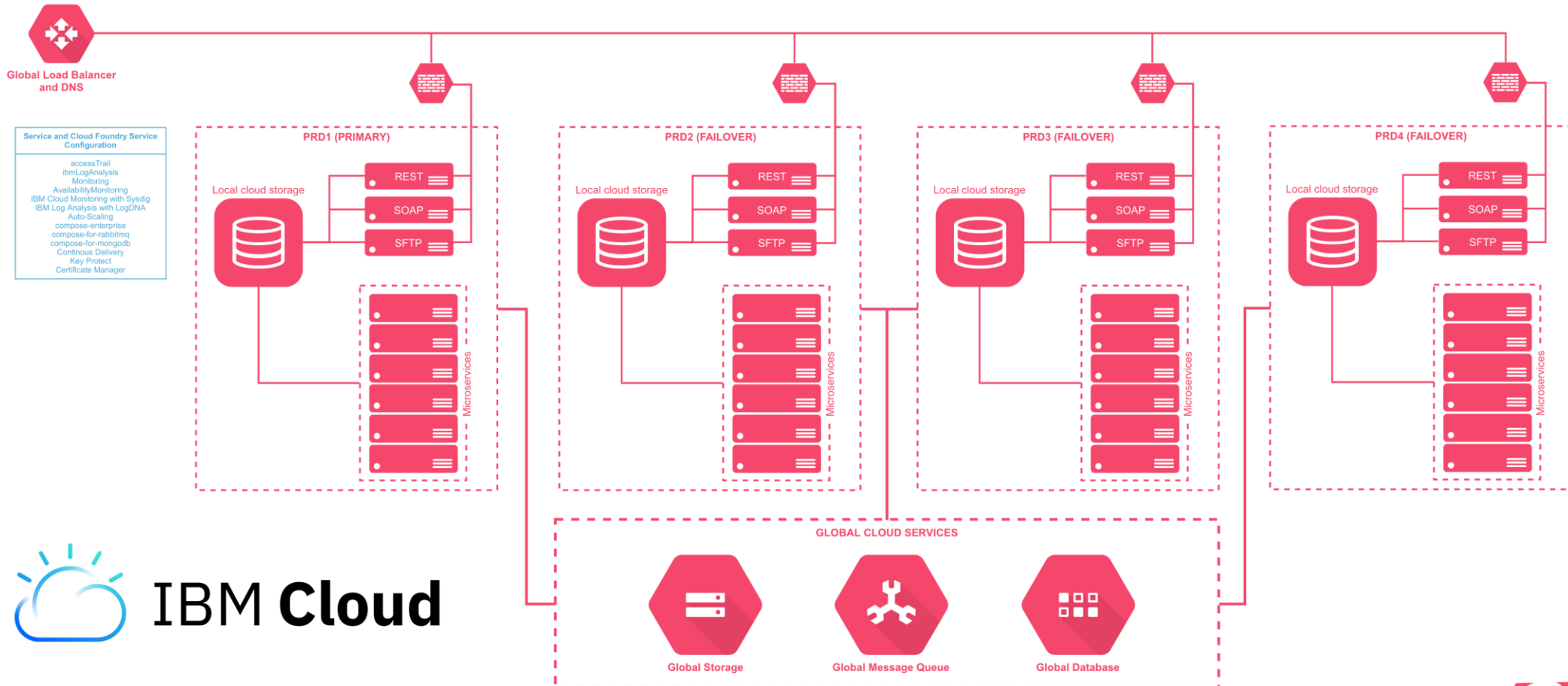
# Efact's Single Gateway Model

LOCAL COMPLIANCE, GLOBALLY AVAILABLE



# Architecture and infrastructure

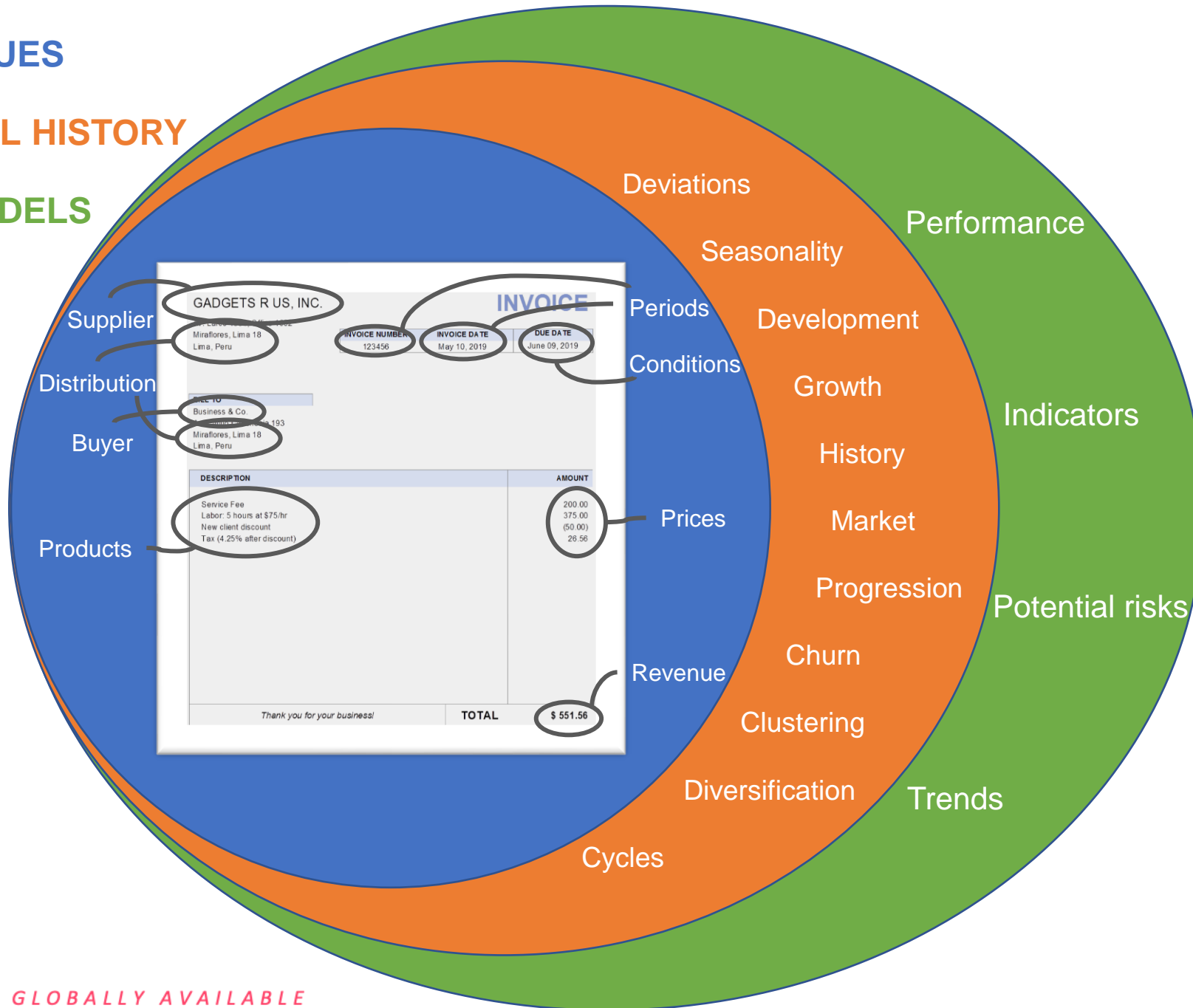
LOCAL COMPLIANCE, GLOBALLY AVAILABLE



DECLARED VALUES

TRANSACTIONAL HISTORY

PREDICTIVE MODELS



# What is SCBN Self Service Onboarding Solution?

This solution will provide enhanced onboarding and configuration capabilities for IBM's Supply Chain Business Network.

In addition to improving the current process for our implementers, the solution is intended to provide **self-service** capabilities for our **customers** and their **trading partners**

The solution is being engineered to significantly **simplify** the **user experience** and reduce the overall steps so that our customers can onboard trading partners in a **faster**, more **streamlined** approach

The screenshot displays the 'B2B Onboarding' interface. On the left, a vertical progress bar shows the following steps: 'Company information' (completed), 'User information' (completed), 'Upload sample EDI file' (current step), 'Interchange', 'Group', 'Message', and 'Test'. The main content area is titled 'UPLOAD SAMPLE EDI FILE'. It includes a link 'Download bottle company's info' with a download icon, a text input field labeled 'Sample EDI file' with a red dot icon, and a blue 'Browse' button. To the right of the input field is a grey box with a building icon and the text 'Upload a sample document or skip and enter in the data.' At the bottom right of the main area is a link 'Skip and enter manually'. At the bottom of the interface are 'Cancel' and 'Save' buttons.

# Marching to PaaS – Our Direction

## Customer Self-Service

- Profile configuration for communication protocol
- Profile configuration for document translation processing:
  - Envelopes, code lists, Acknowledgements, control numbers, etc.
- Select workflows for processing
  - Re-usable across trading partners
- Self-test capabilities
- Access to mapping tools for transaction map edits
- Trading Partner campaign management
  - Invite partners to join
  - Enable trading partner self-service
  - Onboarding status tracking
  - Mass updates

Support a wide variety of B2B protocols in use today

Supports standard and non-standards based translation

Eliminates need for one-off workflow processes for common & repeatable scenarios

Immediate feedback on connection & document testing

Up to date partner onboarding status

## Trading Partner Self-Service

- Configure communication parameters
- Configure/upload document standard parameters
  - Interchange/Group/Transaction info
- Download customer implementation guides
- Streamlined for ease of use
- Self-test capabilities
  - Upload sample files for validation
- Status tracking automatically updated
- Customer and trading partner know exactly where they are at in the process

# Putting AI to work

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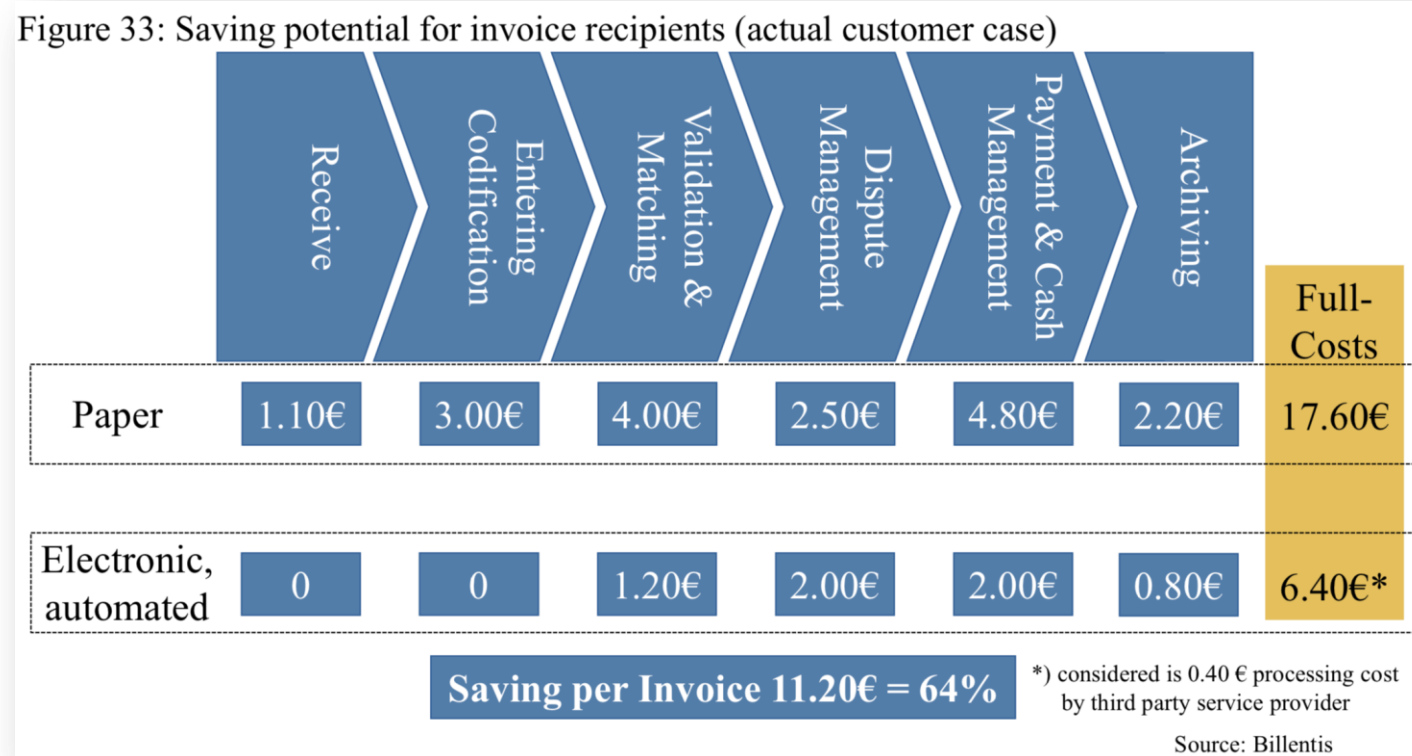




# AI in the Supply Chain

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- Invoice automation reduces the cost of managing suppliers



- But how much does it cost to choose the WRONG supplier?

## Poor supplier relationship management costs US automakers \$2 billion



posted by *Will Green*  
in *Procurement*

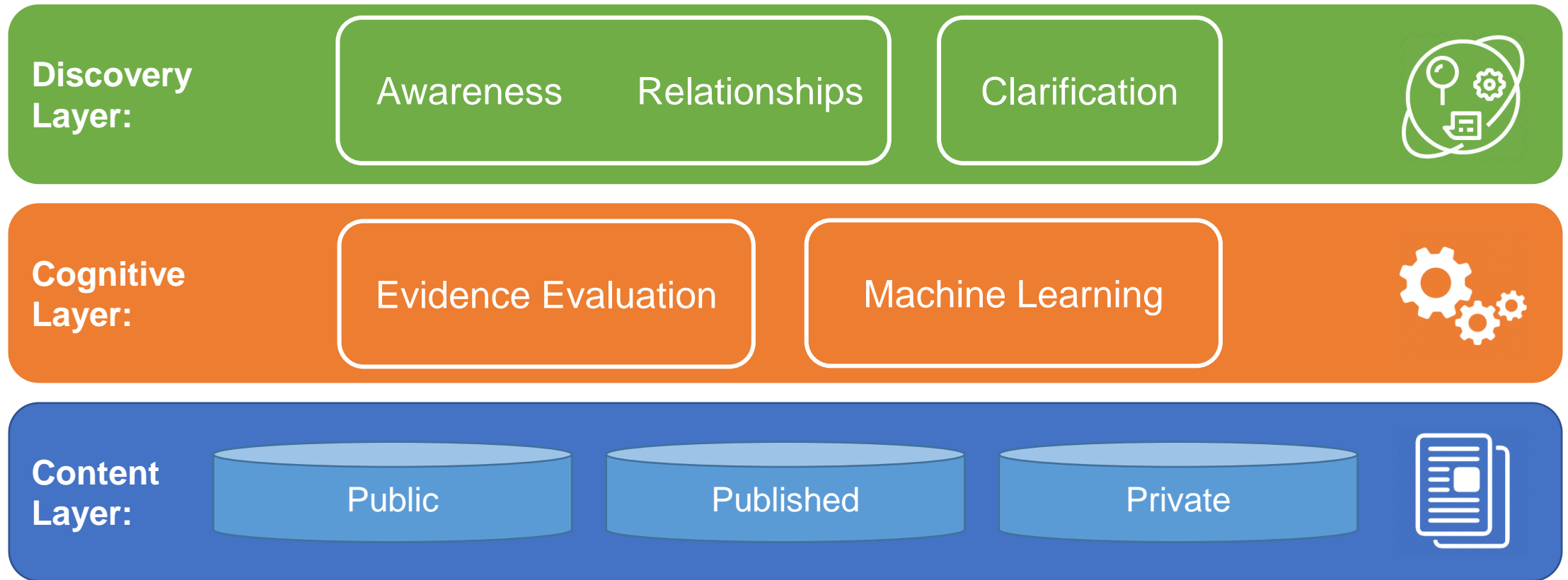
🕒 18 May 2015

**Car manufacturers in the US could have earned \$2 billion (£1.29 billion) extra profit by improving their relations with suppliers, according to a study.**

The *North American Automotive Tier 1 Supplier Working Relations Index* (WRI) found *Ford*, *General Motors* (GM), *Nissan* and *Fiat Chrysler Automobiles* (FCA) would have earned between **\$144 (£93) and \$285 (£184) more profit per vehicle** if they matched the supplier relations of leaders *Toyota* and *Honda*.

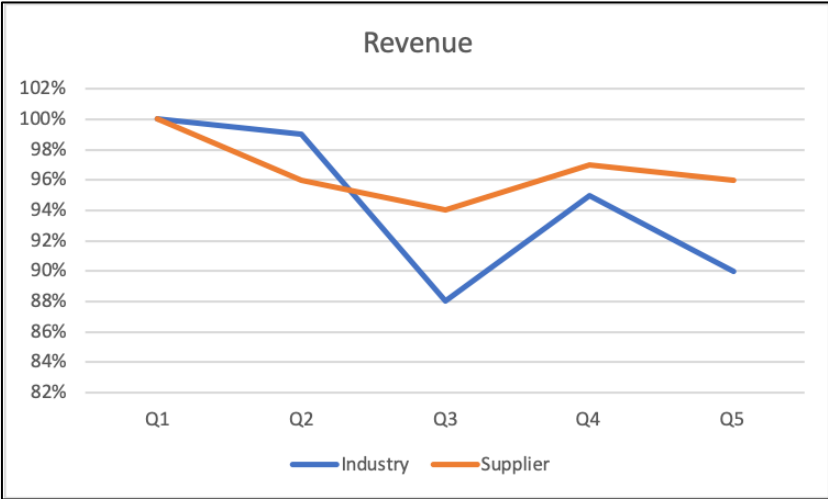
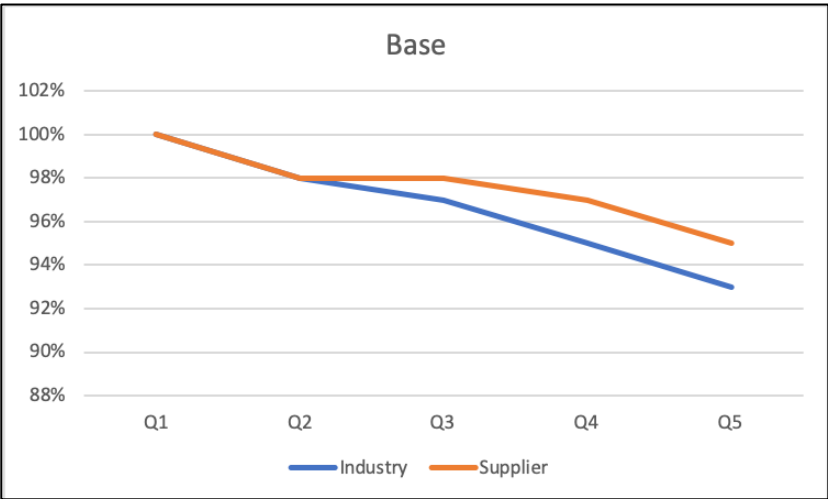
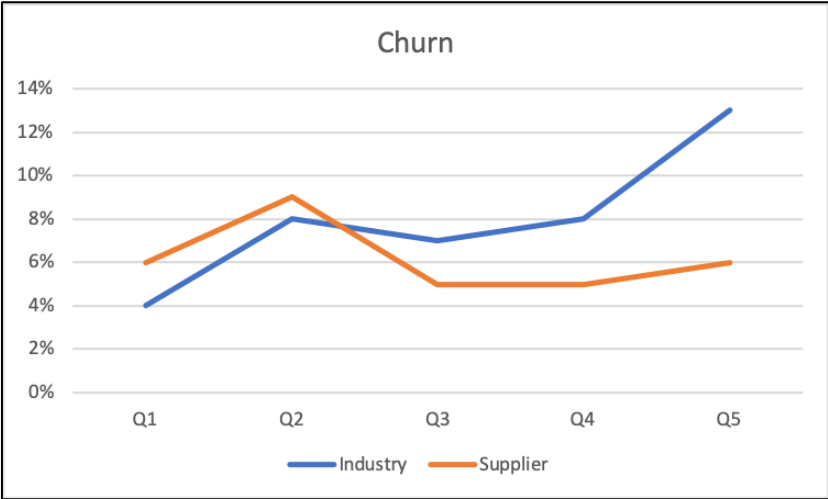
# AI Discovery Model

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# Experimental profile

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# Questions?