

Digital Risk Transformation

Project Hawkeye

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Cloud Solution Architect AI

Zürich, September 18th 2019



World Economic Forum Report on AI in FSI

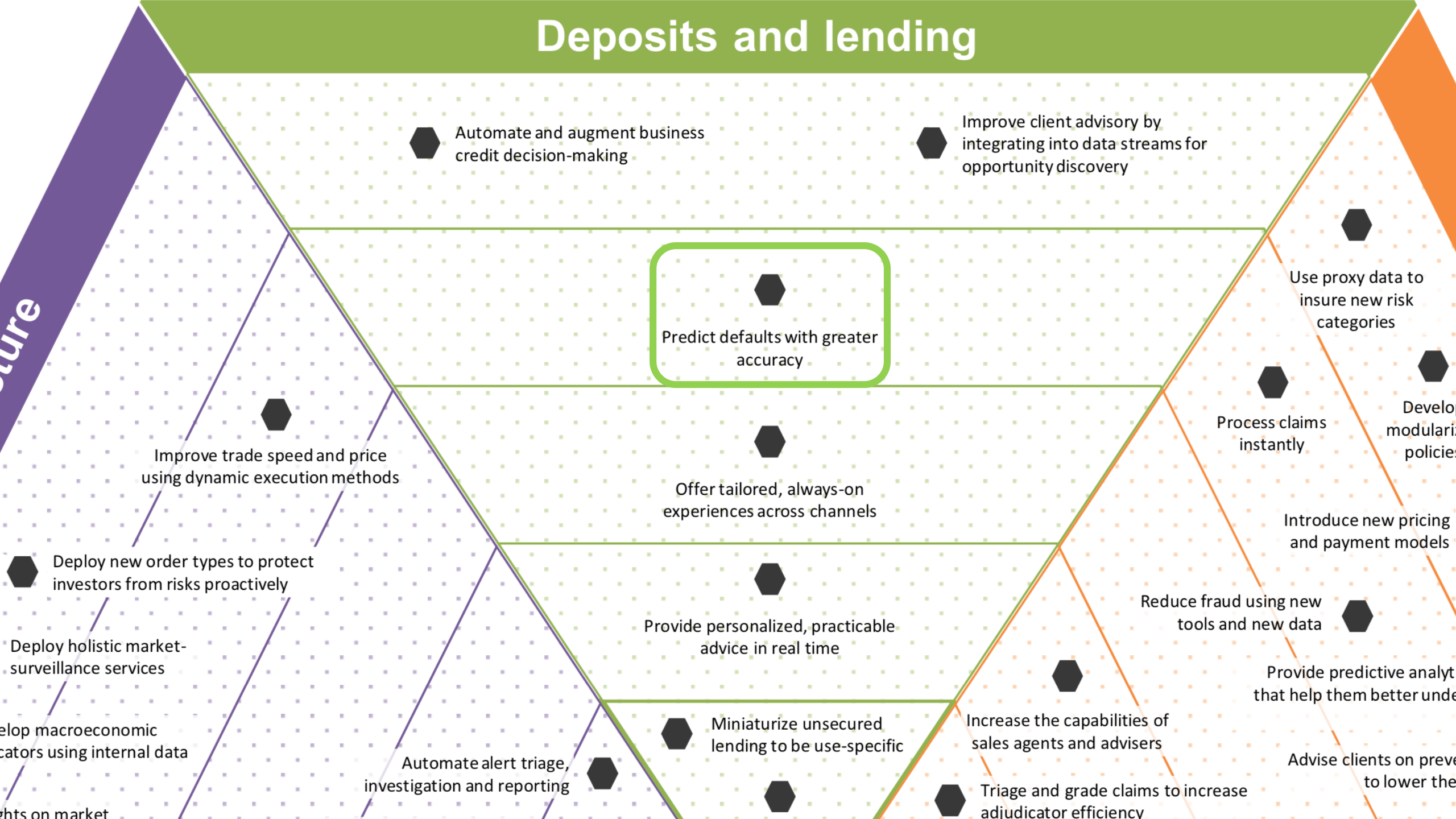


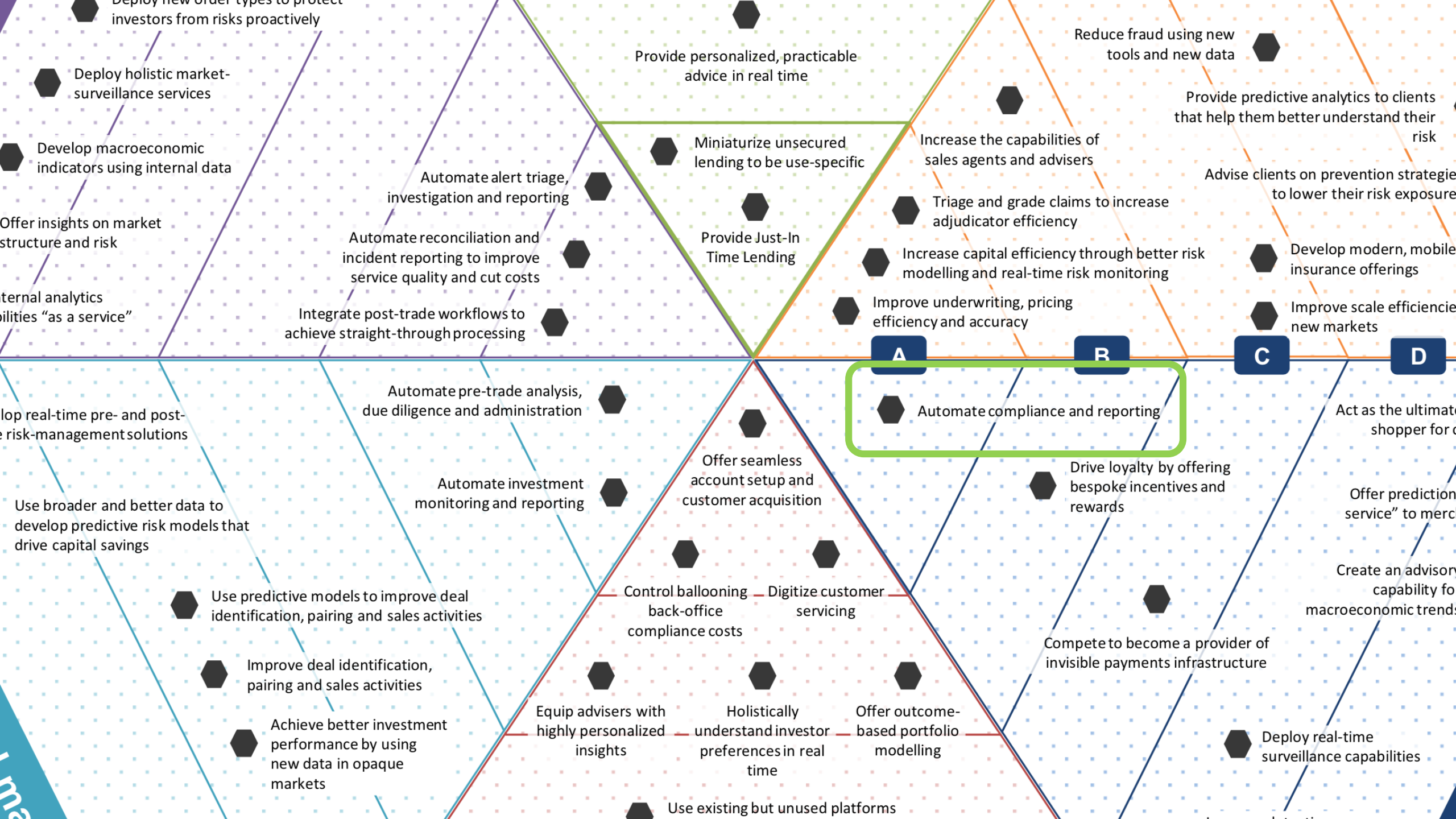
Various Uses Cases

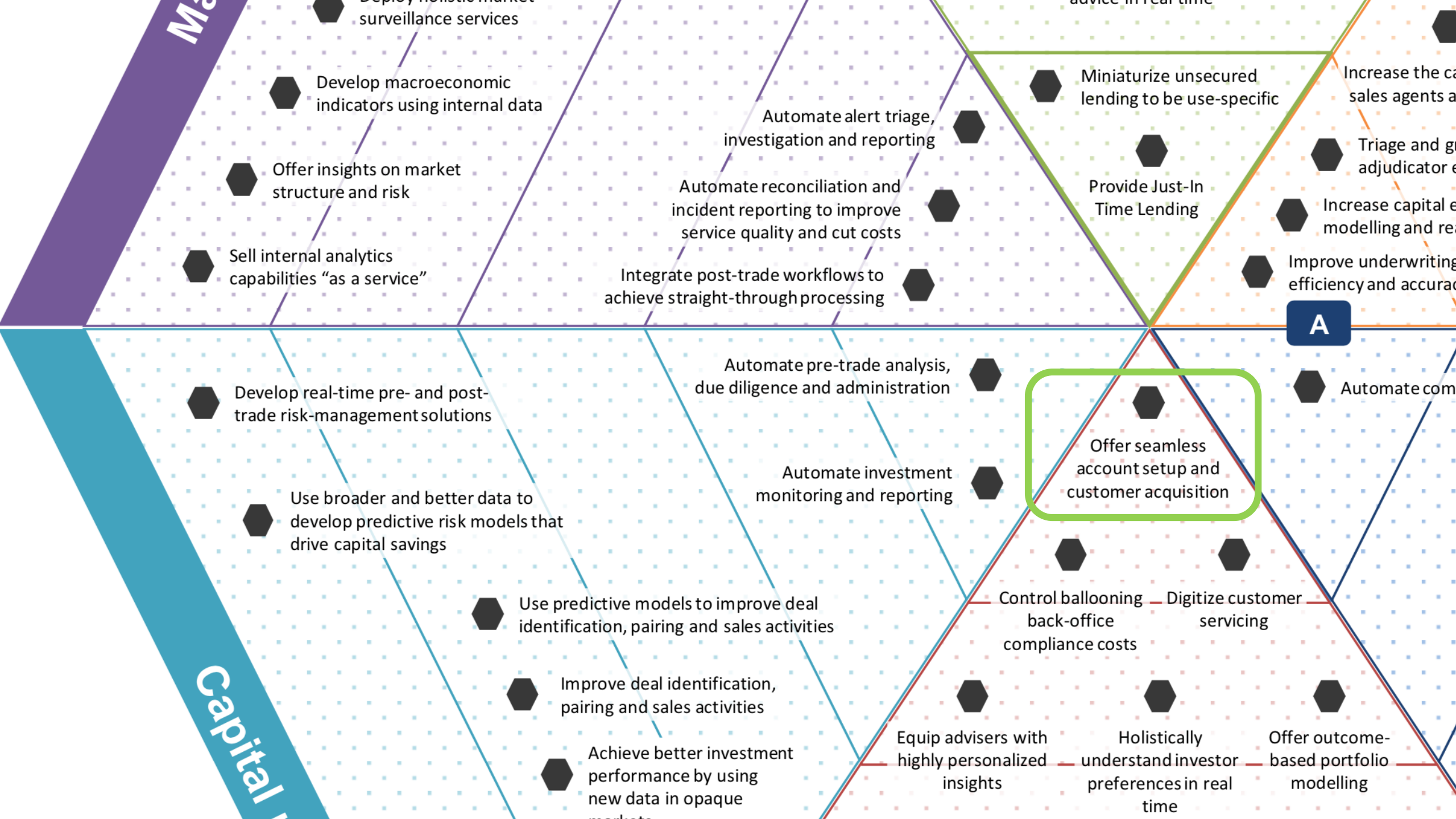
Deposits & Lending
Insurance
Payments
Investment Management
Capital Markets
Market Infrastructure



Deposits and lending





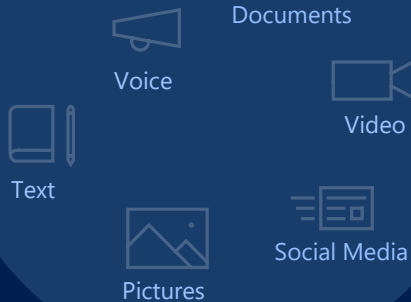


A WORLD OF MORE DATA, MORE INSIGHTS & HIGHER SPEED

MORE DATA

More formats,
more unstructured higher
granularity

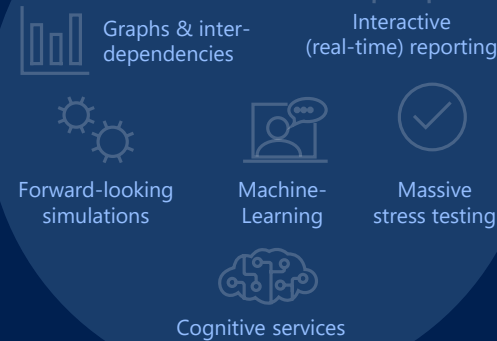
2.5 quintillion bytes
Amount of new data created
in the world per day



MORE INSIGHTS

New algorithms, unlimited
compute power, cognitive
services

20 ms
To drive insights from
a Trump-tweet



HIGHER SPEED

'Real-time' actions
& decisions

\$14,209 lost
per year per knowledge worker by
companies due to information
searches



Battleground for competitive differentiation in banking risk



Understanding the latent value in all content

AI is here to help

Upload & pipeline or Select checkboxes

Form **5471**
(Rev. December 2015)

Department of the Treasury
Internal Revenue Service

Information Return of U.S. Persons With Respect To Certain Foreign Corporations

► For more information about Form 5471, see www.irs.gov/form5471

Information furnished for the foreign corporation's annual accounting period (tax year required by section 898) (see instructions) beginning , 20 , and ending , 20

Name of person filing this return
Anita Christiansen

Number, street, and room or suite no. (or P.O. box number if mail is not delivered to street address)
2018 10th Dr SE

City or town, state, and ZIP code
Bothell, WA 98012

Filer's tax year beginning , 20 , and ending , 20

A Identifying number
111-11-11

B Category of filer (See instructions. Check one)
1 (repealed) ☐ **2** ☐ **3** ☐

C Enter the total percentage of the foreign corporation's stock you owned at the end of its annual accounting period: _____

D Check if any excepted specified foreign financial assets are reported on this form (see instructions) ☐

E Person(s) on whose behalf this information return is filed:

(1) Name	(2) Address	(3) Identifying number
Conrad Nuber	3423 340th St. Woodinville, WA 98021	

Important: Fill in all applicable lines and schedules. All information must be in English. All amounts must be in U.S. dollars unless otherwise indicated.

1a Name and address of foreign corporation
Litware Insurance Corp

b(1) Employer's identification number
b(2) Reference number

Text

(1) Validate enrichment pipeline

Tags

"throwing", "ball", "girl", "grass", "basketball"

Caption

"A girl throwing a ball"

Entities:

Person(s)
"Anita Christiansen",
"Conrad Nuber",

Location(s)
"Bothell", "Woodinville"

Organization(s)
"Litware Insurance Corp."

Deep Dive: Hawkeye (enhanced Search)



Libra Association Pursues Payment System License Under FINMA Lead Supervision

A Global Low-Friction High-Security Payment System Can Empower Billions of People

Geneva, Switzerland, September 11, 2019. The Libra Association, a non-profit organization headquartered in Geneva, will pursue a license as a payment system with lead supervisory authority under the Swiss Financial Market Supervisory Authority (FINMA). In this context, the Libra Association has submitted a request for a ruling to clarify the regulatory status of the Libra Association and the Libra coin and intends to file an application for a license as a payment system.

The choice of Switzerland as the home for the newly established Libra Association, which when fully developed will have a diverse group of member organizations spanning technology, financial services, social impact organizations and venture capital, among others, harnesses Switzerland's role as a nucleus for international organizations. With a principle-based and technology neutral regulatory framework, along with regulatory clarity on blockchain-based business models, Switzerland offers a pathway for responsible financial services innovation harmonized with global financial norms and strong oversight.

"Since our vision for the Libra project was announced 3 months ago, we have maintained our commitment that technology-powered financial services innovation and strong regulatory compliance and oversight are not in competition. We are engaging in constructive dialogue with FINMA and we see a feasible pathway for an open source

Deep Dive: Hawkeye

A stylized illustration of a laptop with a silver base and a black bezel. The screen is white and displays a blue hyperlink. The laptop is shown from a slightly elevated front perspective.

<https://hawkeye2019-webui.azurewebsites.net/Search>

Deep Dive: Hawkeye

New document on "FINMA & blockchain technology" added Inbox x



Jürgen Schwärzler <juergen.schwaerzler@d-one.ai>
to Jürgen ▾

4:09 PM (0 minutes ago)



The following document matching your interest in "FINMA & blockchain technology" was added on Wed, 18 Sep 2019:



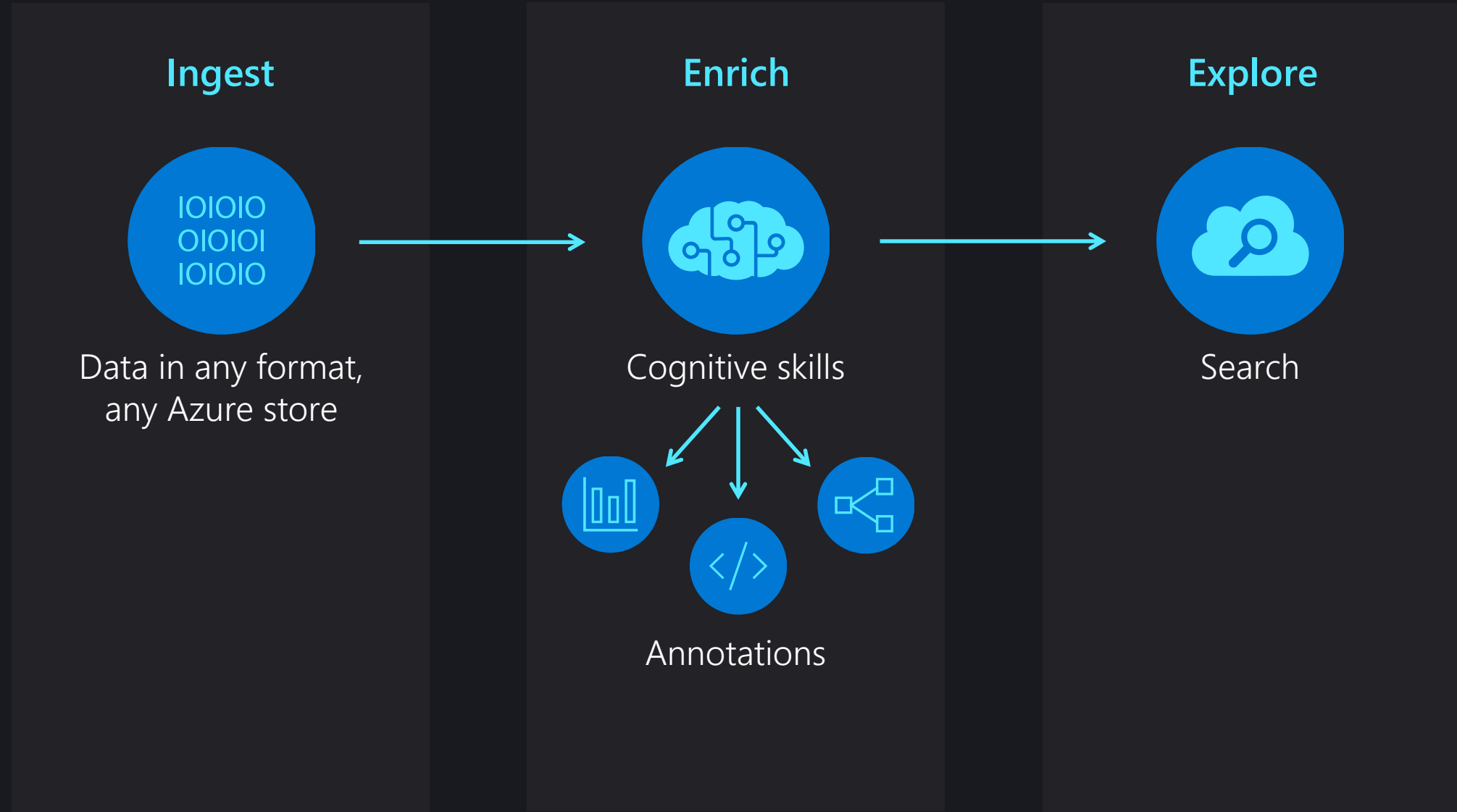
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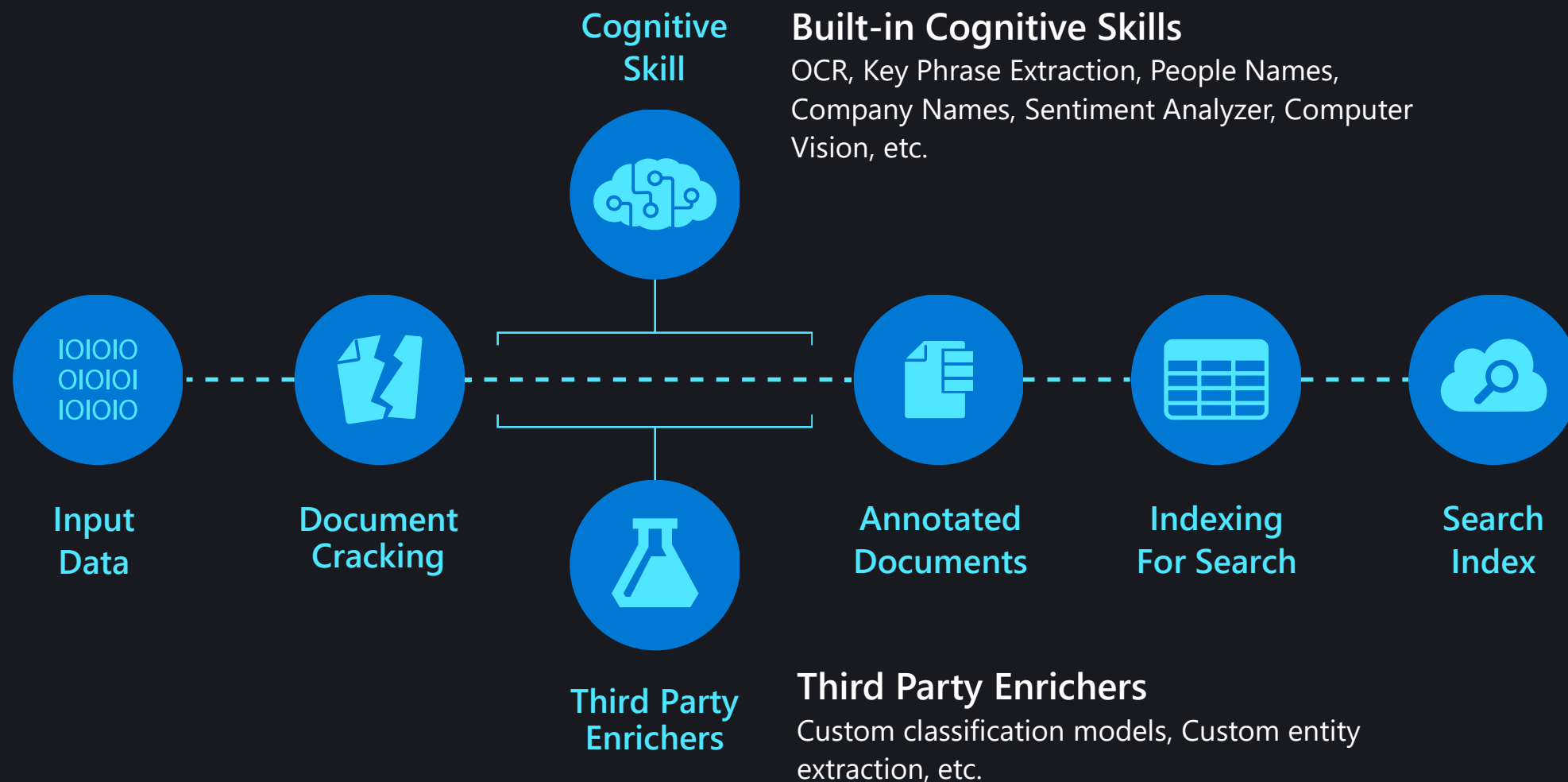
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At a high level



Cognitive Search Architecture



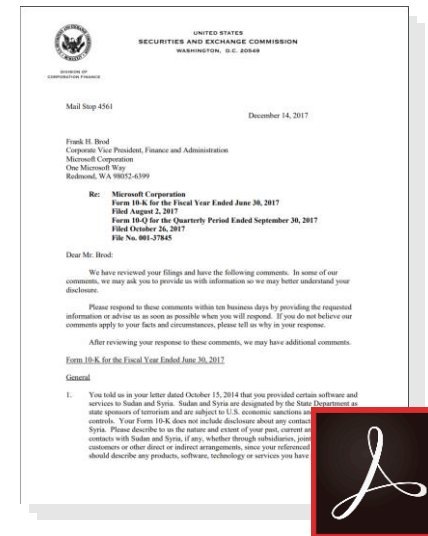
Document Cracking

Different types of data sources

- Azure Blob Storage
- Azure SQL
- Azure Cosmos DB
- Azure Table Storage

File formats supported in blob storage

- PDF
- Microsoft Office formats: DOCX/DOC, XLSX/XLS, PPTX/PPT, MSG (Outlook emails)
- HTML
- XML
- ZIP
- EML
- RTF
- Plain text files (see also [Indexing plain text](#))
- JSON (see [Indexing JSON blobs](#))
- CSV (see [Indexing CSV blobs](#) preview feature)



Text

Images

Built-in Skills in multiple languages



Natural Language Processing

Key Phrase Extraction
Sentiment Analysis
Organization Entity Extraction
Location Entity Extraction
Persons Entity Extraction
Language Detection

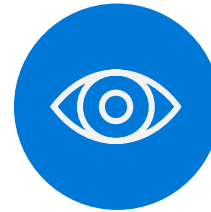


Image Processing

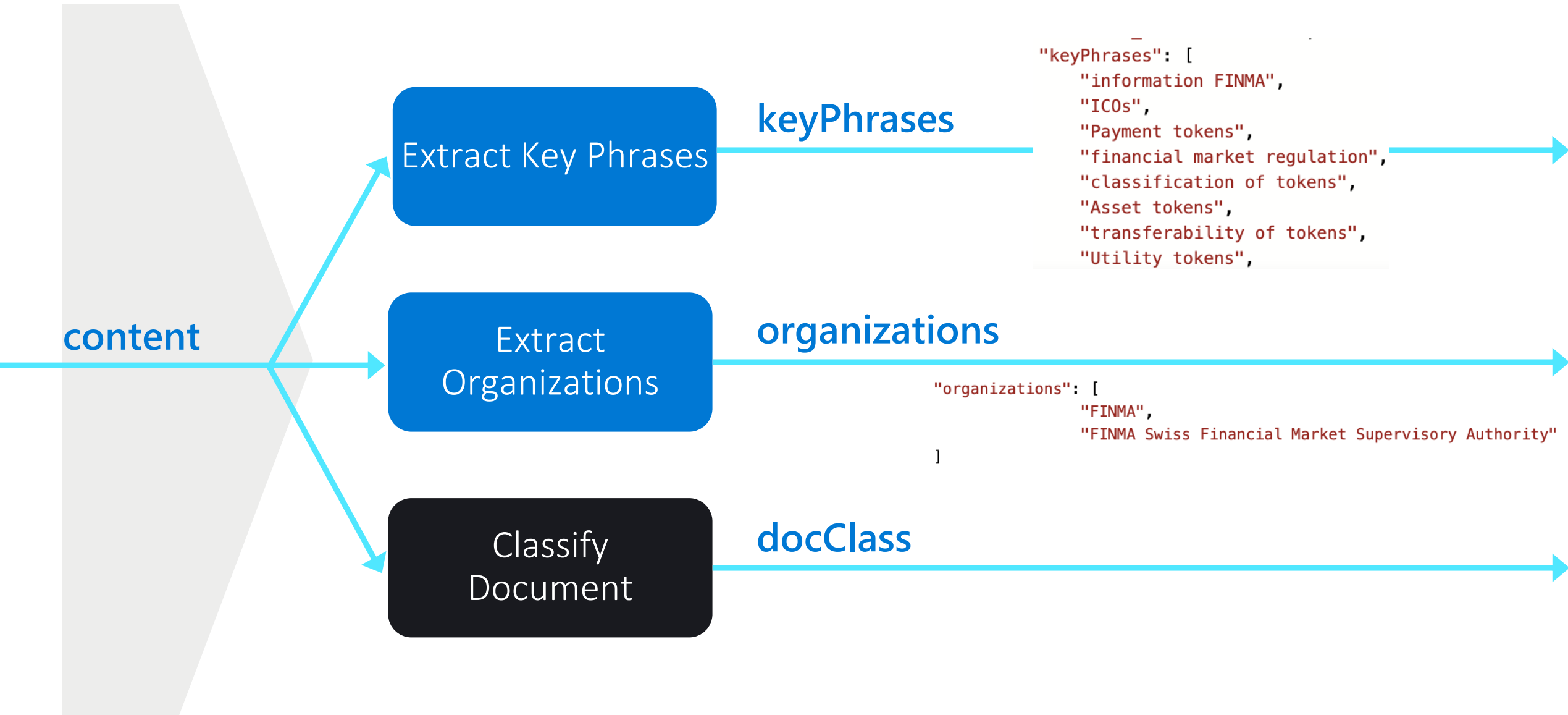
Face Detection
Tag Extraction
Celebrity Recognition
Landmark Detection
Handwriting Recognition (Preview)
Printed Text Recognition



Utilities

Complex Type Shaping
Text Merging
Text Splitting

Skillset: Basic Example



Azure Cognitive Services



Vision

Recognize, identify, caption, index, and moderate your pictures, videos, and digital ink content.



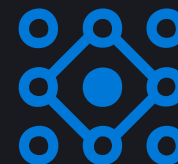
Speech

Convert spoken audio into text, use voice for verification, or add speaker recognition to your app.



Language

Allow your apps to process natural language with pre-built scripts, evaluate sentiment and learn how to recognize what users want.



Decision

Build apps that surface recommendations for informed and efficient decision-making.



Search

Add Bing Search APIs to your apps and harness the ability to comb billions of webpages, images, videos, and news with a single API call.

Azure Cognitive Services



Vision

Video Indexer
Computer Vision
Face
Custom Vision
Form Recognizer
Ink Recognizer



Speech

Speaker Recognition
Speech Services



Language

Text Analytics
Bing Spell Check
Translator Text
QnA Maker
Language Understanding (LUIS)



Decision

Anomaly Detector
Content Decision
Personalizer



Search

Bing Entity Search
Bing Autosuggest
Bing Web Search
Bing Visual Search
Bing Video Search
Bing Custom Search
Bing News Search
Bing Image Search
Bing Local Business Search

Extensions – what is your Use Case?

Functional extensions

Document translation
OCR, Form Recognition
Metadata enrichment,
User Interface adaption

Process Integration

Document
classification/tagging
Email notifications
Auto-ingestion
(scraping), process
automation

Vertical and function specific extensions

Any Industry
Any Business Function

One step further: Video Indexer

A laptop with a silver base and a black bezel. The screen is white and displays a blue underlined URL.

<http://www.videoindexer.ai>

Thank you!



Jürgen Schwärzler
Senior Consultant at D ONE



Marc Schöni
AI speaker & practitioner

