

Artificial Intelligence, Machine Learning and Content

Tim Collins





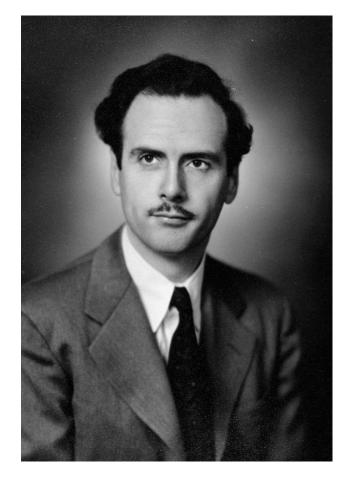
Digital Disruption and Transformation

"We've got to get from the exam table to the kitchen table. At the kitchen table, you learn about the real existence of an individual and how it impacts their life."

Mark T. Bertolini
Chairman and CEO Aetna







"The medium is the message"

Marshall Mcluhan:

<u>Understanding Media the Extensions of Man</u>

1964 Mentor, New York

Businesses today face an explosion of content

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800%

increase in the amount of data in the enterprise by 2021

80%

of that data will be in unstructured formats (documents, images, etc.)

The explosion of content creates real business challenges

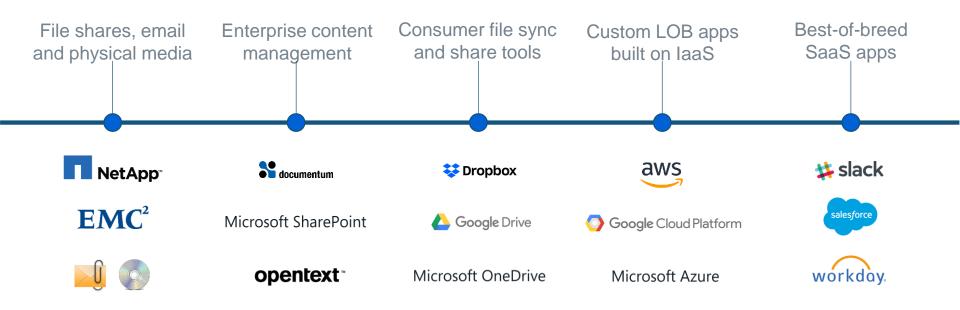
Employee productivity





Employees spend valuable time searching for information to do their jobs and recreating content that already exists, much of which is never consumed Content-centric business processes are mired in manual reviews and mundane data entry, which is time consuming and error prone User-driven classification of confidential or sensitive information is prone to errors and regulation puts pressure on how information is managed and secured

This problem only gets worse when content is fragmented



As a result, businesses invest in expensive and manual methods for tagging, classifying, and extracting data from all their content

But artificial intelligence can help solve this problem at scale

Leading technology companies offer powerful AI services

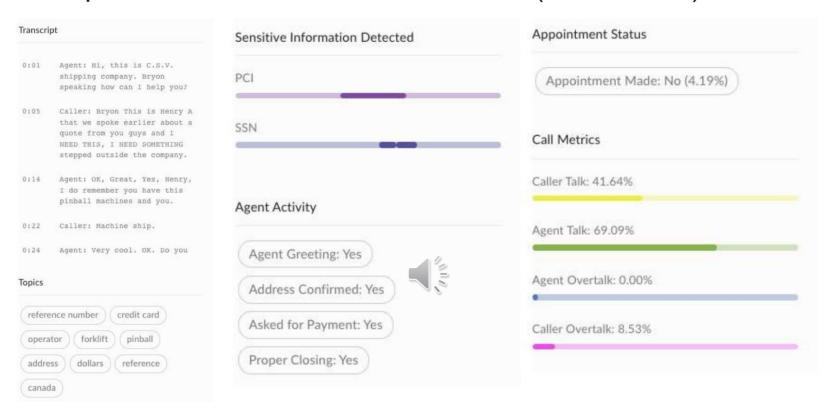
- Keyword and topic extraction
- Speech-to-text transcription and translation
- Image classification and labeling
- Text and handwriting recognition
- Celebrity and landmark recognition
- Sentiment analysis
- Facial and emotion recognition
- Object, scene, and activity detection
- Explicit or offensive content moderation
- ...and many more

IBM Watson®





Example Skills Metadata Enhancement (Audio Data)

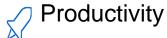


Apply AI from major vendors to content



Apply best-of-breed AI to your content

Apply AI across your business



Make content more discoverable and increase engagement with content

- Improve discoverability by applying keywords and labels to rich media
- Display rich insights to end users with an interactive preview experience



Process

Automate legacy data entry and classification and trigger contentcentric processes

- Sort and categorize ingested content and apply labels
- Extract key information from forms or documents and store in custom metadata



Security

Automate data classification and detection and trigger security policies

- Classify content that contains sensitive or confidential information
- Trigger intelligent virus scanning upon upload

enterprise Individual Collaborative Team Intelligent productivity collaboration enterprise business process Source of truth for high-value Smart content management Individual file storage Team and project workspaces business content across with best-of-breed integrations system to power processes Content departmental systems across the enterprise 蹊 Defined, collaborative Automated, insight-driven Simple access from Seamless internal and external processes across employees, processes across anywhere on any device team collaboration **Process** partners and customers employees, partners and customers Centralized Seamless lifecycle Intelligent, automated Native access controls. security policies, visibility, management and consistent content policies, threat Security and encryption and data privacy data governance data protection security policies integrated detection and regulatory compliance and data classification across systems **Digital Workplace Digital Business**

Content powers digital transformation across the

Business value



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