# The Fusion of AI/ML with Object Storage for Digital Collections and Preservation

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**wasabi** AiR™
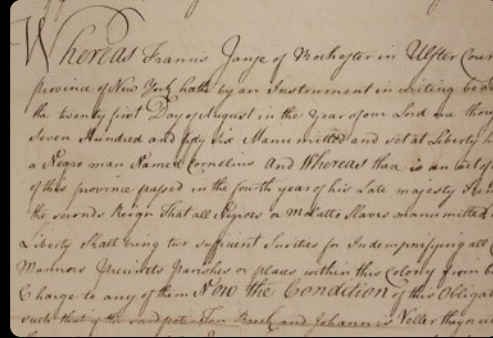*formerly curio*

# Why AI-powered storage is coming

- 80% of the world's Internet traffic is video.   Up from just 65% 2 years ago.

- Object storage was invented just 20 years ago to handle unstructured data.

- Today, 90% of all stored data is <u>unstructured data!</u>

- Structured data is easily searchable.  <u>Unstructured data</u> is not.

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# Why AI-powered storage is coming

- Imagine the New York Public Library with no card catalog.

- Over 54 million books, maps, documents, recordings.

# Most data is in the dark



## Unstructured

80% of the world's growing amount of data is unstructured.

## Manual

Unstructured data is difficult to search so it goes unused.

## Inaccessible

Organizations hope AI and ML will identify and tag key data to make it more accessible.

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# What's the point of migrating to the cloud if you still can't find anything?
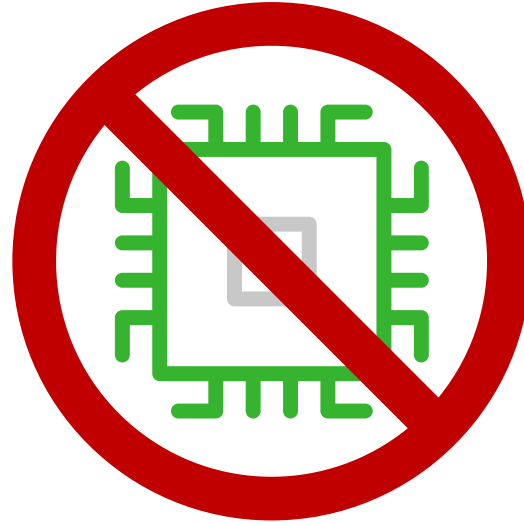
# Storage isn't the problem. Search is the problem.
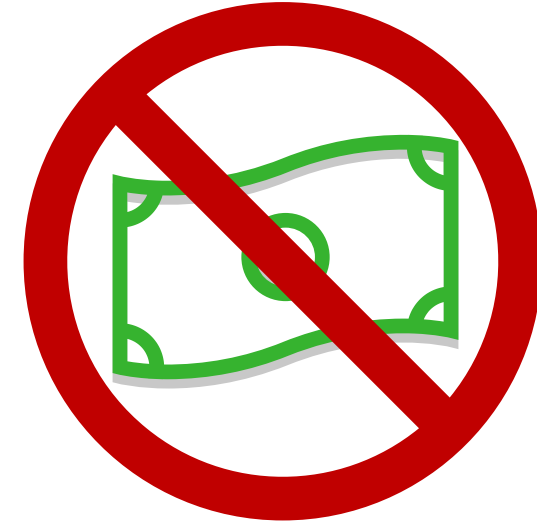
# Existing AI-based solutions for Media

**Resource Intensive**

Setting up and managing AI platforms takes time and requires too many resources.

**Complex**

Lots of toolkits, few turnkey solution making integration with applications required.

**Expensive**

AWS Rekognition is $50/hour plus storage. Costs escalate from API calls, egress, and other hidden fees.

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# Storage Service with Search



## UI CAPABILITIES

- Google-like search by people, keywords, tags, visual text, speech-to-text, logos, etc.

- Train your own model (e.g. Upload faces)

- Create collections and categories

- Find duplicate files

- Match to social trends

- Manage users, roles, and groups

# AI/ML

# Object Storage

## AI Processing Simplified

- AI and Storage integrated in a single, ready-to-use service

- Automatic processing

- Content and metadata always accessible

- Run queries via web UI or export metadata via API (JSON) or export CSV, XML sidecars

## Scalable Storage Architecture

- Redundancy & Durability

- Cost effective

- Cloud or on-prem

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# Storing the World's Data

![wasabi hot cloud storage logo]

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