



WEKA for Financials in 5 minutes

Joel Kaufman

Sr. Technical Marketing Manager



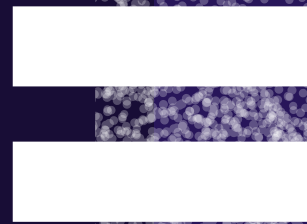
Data, Lots of Data



Financial AI Models



Compute Power



**Cambrian
Explosion of
Financial AI/ML
Usage.**

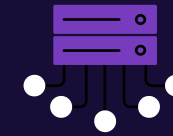
The Problem



Exponential growth in modern AI/ML, Life Sciences, Financial Services and cloud applications is fueling unheard-of data growth



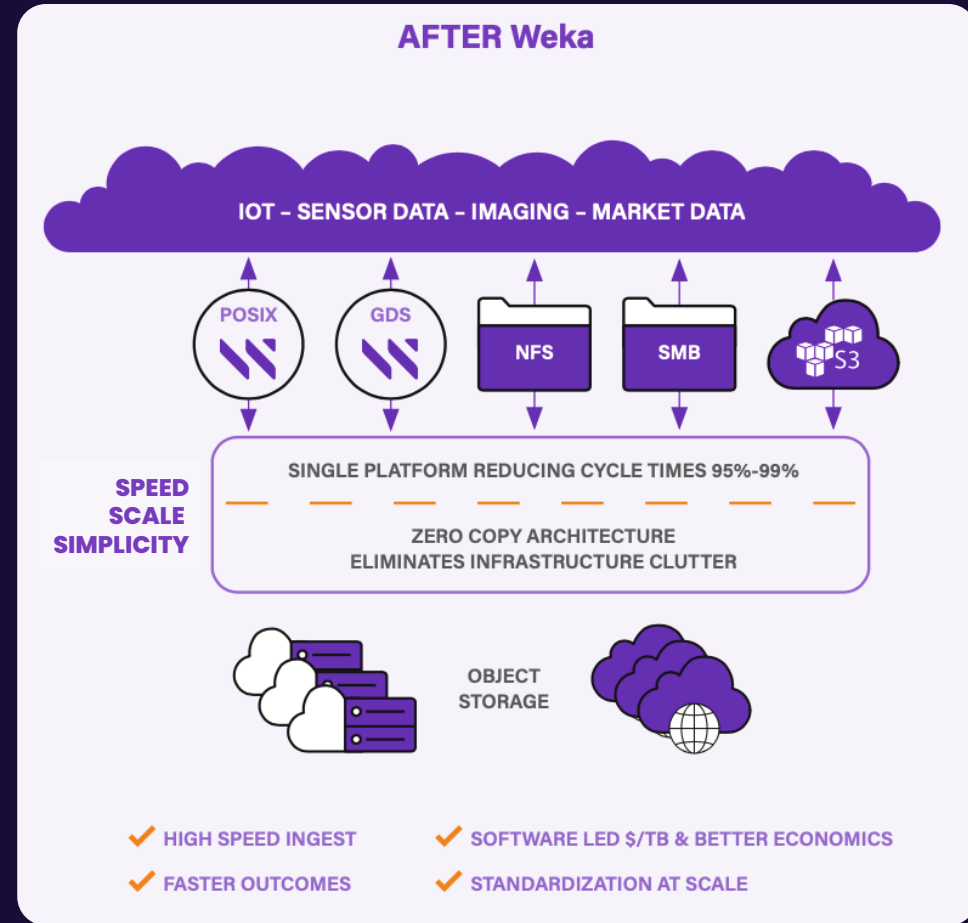
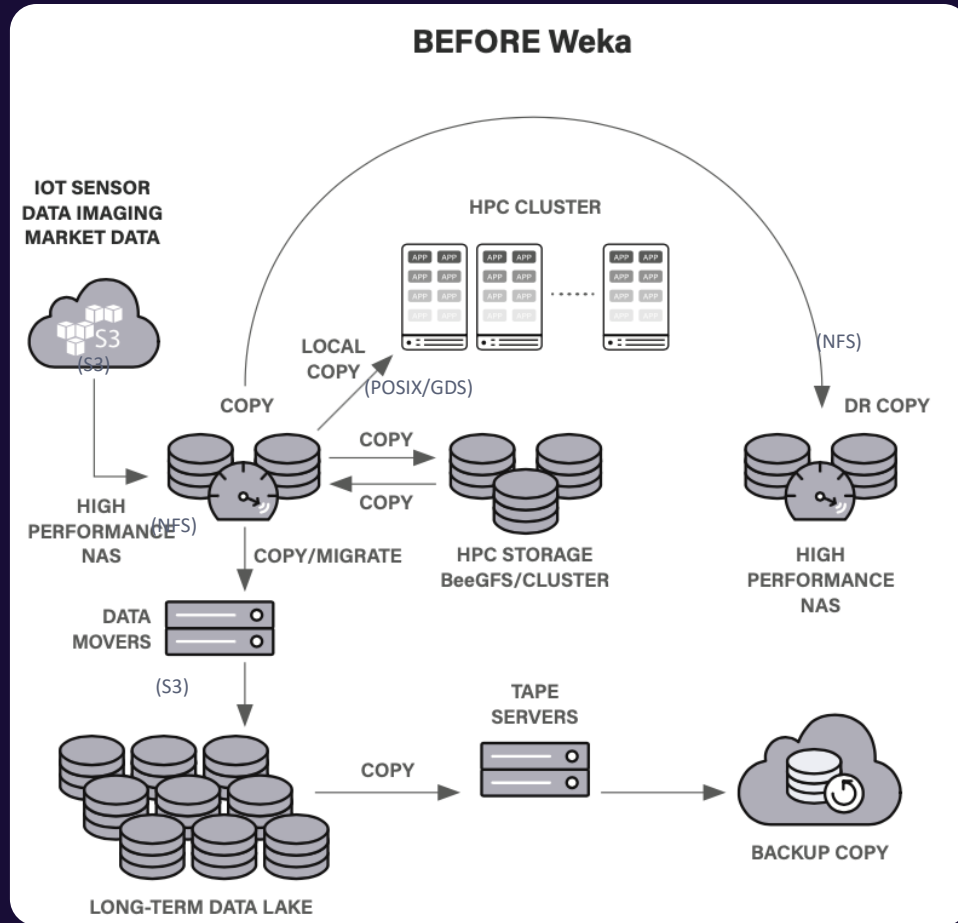
Organizations desire competitive advantage through digitalization by 10x faster processing of 10x bigger datasets



Traditional hardware and cloud storage cannot meet rapidly escalating requirements for performance AND scale across core, multi-cloud and edge data centers

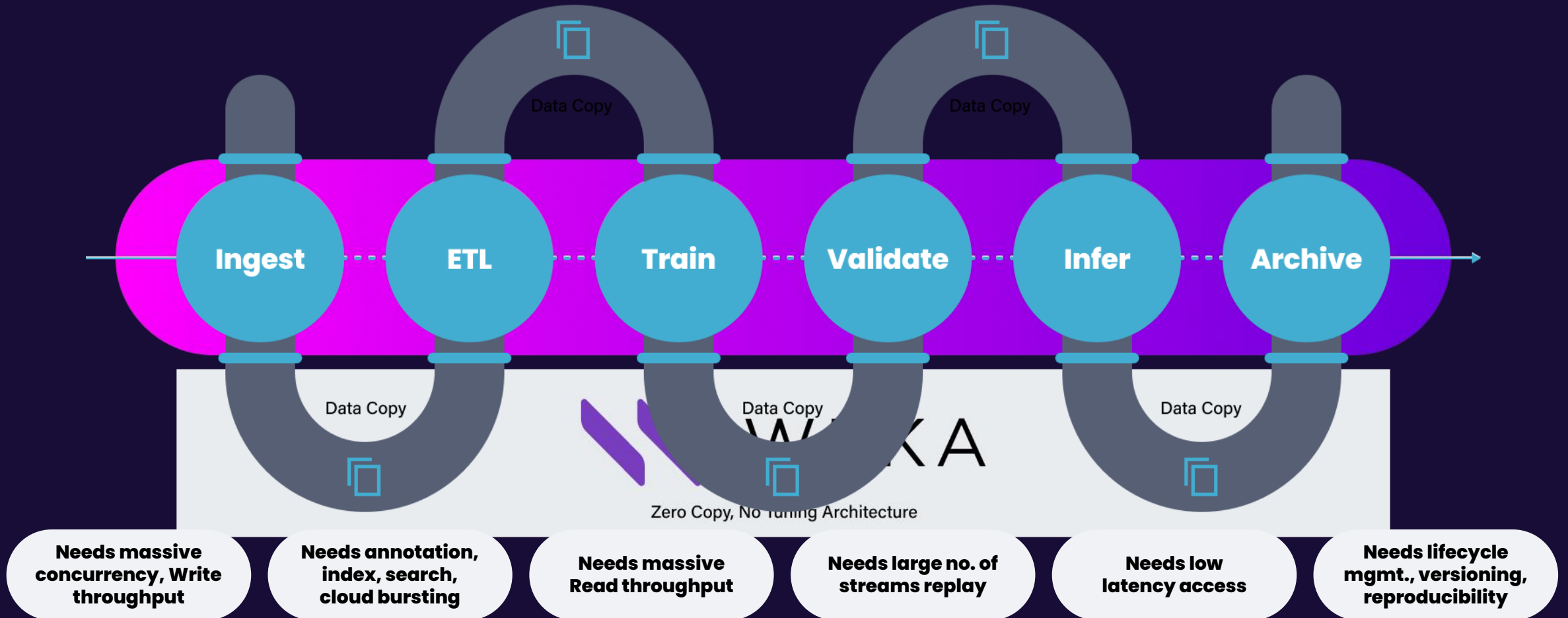
...A NEW APPROACH IS NEEDED.

Eliminate a Mish-Mash of Storage Systems



Infrastructure is Slowing Down AI Data Pipelines

70% of an epoch happens before the data ever reached the GPU*



WEKA Solves the AI Storage Challenges

Improves productivity and faster time to market and value

Accelerate large scale data pipelines

- Reduced epoch times
- Fastest inferencing
- Highest images / secs benchmarks

Run entire pipeline on the same storage backend

Multi Protocol Support

Faster than local storage



Not a STAC benchmark

The move to the cloud is underway

Simple Workloads

Development & QA

Web & Mobile Apps

E-Commerce

Backup

“Impossible” Workloads

Large Scale

High Data Gravity

Ultra Performance

Need to “Feel” Local

Use cases: Cloud usage

Finance Modelling Choice



ON

WITHIN

TO

WITH

BETWEEN

Run Natively on
the Cloud

Tier and Reduce
Data Within a
Cloud

Move or Backup
to Clouds
(Hybrid)

Use the Cloud
for Data Tiering
(Hybrid)

Migrate or DR
Between Clouds

The Secret Sauce



Cloud Native, Datacenter Ready

Common software stack deployable
across Core, Cloud or Edge
Datacenters



Unlimited Linear Scale

Seamless, non-disruptive scaling
from Tb's to 10's Eb



Auto-tuning Mixed Workload Support

World's fastest filesystem, supports
data pipelines with high I/O, low
latency, small files, auto-tuning,
mixed workloads & data portability



Class Leading Economics

Smart tiering between high-
perf/high-cost Flash and S3 deliver
class leading economics

40+ granted patents, 95 pending patents

