

# WekaFS: Zero-Copy Unified Data Platform for Next-Generation Workflows

**Weka delivers a modern storage architecture that shatters the limits of what's possible – on premises or in the cloud – to radically accelerate time to results and business outcomes.**

## World's Fastest Performance and Greatest Scalability

WekaFS™ delivers linear scalability and high performance across all workloads (big and small files, reads and writes, random, sequential, and metadata heavy) through a variety of protocols, including POSIX, NFS, SMB, Amazon Simple Storage Service (S3), and NVIDIA GPUDirect® Storage. Data is available with very low latency and reduced load on the shared network. WekaIO consistently publishes the fastest audited performance results in benchmarks such as IO500, SPEC, and STAC. WekaFS can scale to 14 exabytes, 6.4 trillion files or directories, 6.4 billion files per directory, and 4 petabytes for a single file.

## Zero-Copy Architecture

As shown in the figure on the back, legacy high-performance processing and storage architectures are constantly moving data from one storage system to another, increasing complexity and management and slowing results with expanding data transfer times. With Weka's Zero-Copy Architecture, all data is local, putting an end to copying and accelerating workflows. It also removes complexity and eliminates the high levels of expertise required to optimize next-generation workloads, plus the multiple resources that must be configured and constantly orchestrated independently—delivering unique strategic advantage to Weka customers.

## Seamless Cloud Integration

Weka supports automated tiering to Amazon S3, from both on premises and within AWS. WekaFS can burst and migrate data to the cloud with its snapshot-to-object functionality. WekaFS can also be 100% deployed on Amazon AWS, just as it is on premises, providing the fastest file system for AWS workloads by far. Weka supports both converged and dedicated storage deployment models in AWS across a variety of EC2 instance types. For improved resiliency, Weka supports the spanning of AZs in AWS. Weka also can Autoscale a cluster in AWS, expanding or shrinking the EC2 infrastructure dynamically.

## Leadership Economics

TLC NAND flash NMVe SSD costs and Weka licensing are more affordable than ever. An all-flash Weka system is competitively priced with all other flash-based systems, including those based on low-endurance QLC. What's more, WekaFS' unique ability to seamlessly expand its namespace to S3 object storage, without the need for special data migration software or complex scripts, lowers capacity costs an order of magnitude compared to all other all-flash (TLC & QLC) systems.

## Fantastic Customer Satisfaction

Weka customers enjoy easy deployment, simple management, and enterprise-class reliability as illustrated by Gartner peerinsights Reviews.



[Gartner peerinsights Reviews](#)



Great performance in an easy package

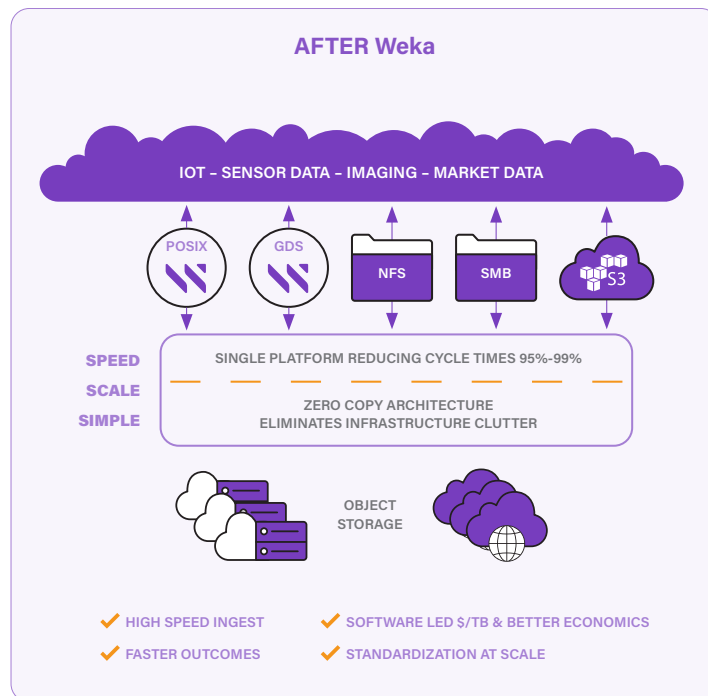
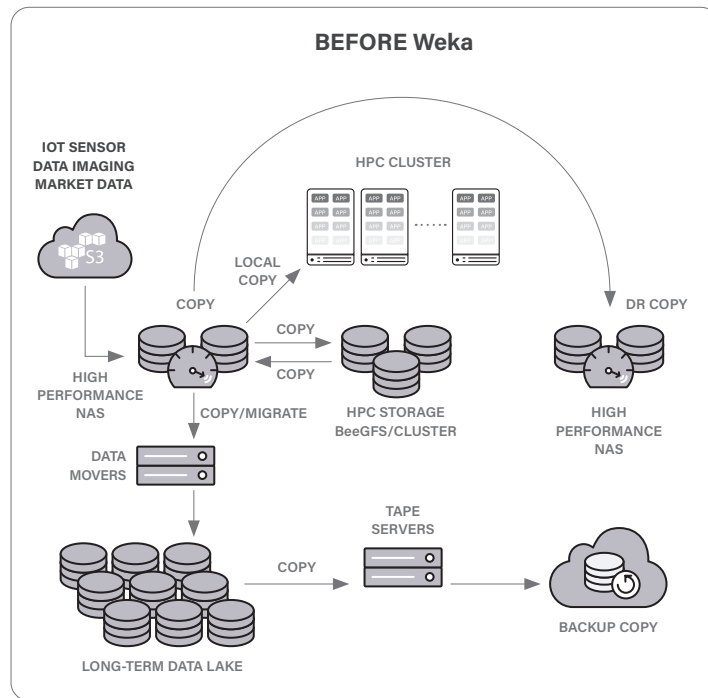


A modern, fast, distributed file system which doesn't require a team of experts to set up



Good Product and Excellent Support

# THE Weka ZERO-COPY UNIFIED DATA PLATFORM FOR NEXT-GENERATION WORKFLOWS



910 E Hamilton Avenue, Suite 430, Campbell, CA 95008 T: 844.392.0665 E: [info@weka.io](mailto:info@weka.io) [www.weka.io](http://www.weka.io)

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