

Accelerating Discovery and Improving Patient Outcomes With Next- Generation Storage

5 REASONS

to deploy the
Weka Matrix™
Zero-Footprint
storage platform
in your lab

Precision Medicine holds great promise as a means for curing chronic diseases such as cancer, diabetes, and others. Important advancements in healthcare would not be possible without the supporting research being conducted in the life sciences and pharmaceutical industries.

The pace of discovery and quality of patient outcomes depends on rapid access to research results, medical records and lab test results. WekaIO provides an easy-to-deploy cost effective, hardware independent, software-only storage solution with the scale and performance to help make precision medicine a reality.

1

Accelerate drug discovery with dynamic performance and capacity scaling

WekaIO's radically simple storage platform, Matrix, is ideal for the large data sets and complex workloads found in life sciences—large and small files, random and sequential access, structured and unstructured data. Independently and dynamically scale up or scale down performance and capacity without costly and disruptive forklift upgrades. Automatic load balancing provides consistent, sub-millisecond data access so researchers are more productive and spend less time waiting for results.

2

Improve patient outcomes with low latency, fast access to data

Improved patient care means the right person must have the right information in the right place and at the right time. Matrix was designed for flash technology and provides a 10x improvement in throughput and 8x improvement in IOPS at less than half the cost of traditional network attached storage. Our software-only architecture runs on any x86 based server with off-the-shelf solid-state disks (SSDs) for true hardware independence.

3

Increase collaboration with integrated cloud connectivity

Researchers must have the ability to quickly and easily share their results with colleagues and partner organizations. Matrix features a POSIX compliant, parallel, and distributed file system that allows shared file access. Integrated tiering to any S3 or Swift compatible object store allows seamless connectivity to the cloud without special software. All files remain part of the global namespace and appear local to users and applications, and multi-protocol support provides anywhere, anytime data access.

4

Stretch funding further by leveraging existing infrastructure

Obtaining project funding is always a challenge and IT budgets never seem to keep pace with data growth. By running on your existing infrastructure, Matrix requires no additional specialized hardware, reducing power and cooling costs by as much as 80%. Leverage the economics and scale of a public or private cloud to further reduce storage costs by tiering cold data to cost optimized object storage.

5

Become more agile with a flexible platform that adapts to your needs

IT environments and application requirements are constantly changing. Matrix provides a single platform that quickly and easily adapts to those changes. The solution supports multiple deployment models, including hyperconverged, as a dedicated storage server, or mixed. It can be run on bare-metal, a virtual platform, or directly in the Amazon cloud. An intuitive graphical interface provides point-and-click ease of management so a single administrator can manage petabytes of storage.

WEKA.IO

2001 Gateway Place, Suite 400W, San Jose, CA 95110 USA T 408.335.0085 E info@weka.io www.weka.io

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