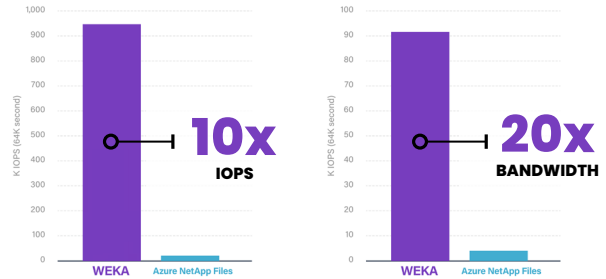# WEKA on Azure

Enable Cloud Workflows With the Fastest Storage System in Azure

Accelerate your Azure Workloads

The WEKA™ Data Platform® provides the fastest, most scalable file system for Microsoft Azure, delivering the performance users expect and the scalability and simplicity the cloud promises—for every workload, even the most demanding ones.

WEKA ON AZURE: PERFORMANCE

- ✓ 10x Faster than Native Azure Services*
- ✓ Burst Data Analysis to Azure
- ✓ Scale your Data Up and Down with Workloads
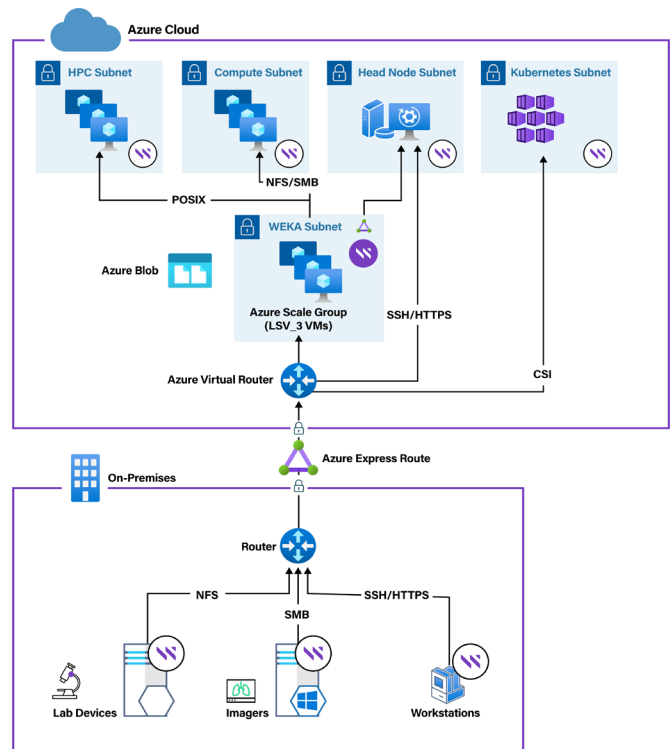- ✓ Accelerate Data Pipelines in Azure by 90%

- ✓ Enable Hybrid Cloud Workflows In Azure
- ✓ Automatically Tier Data in Azure
- ✓ Rapidly Migrate Data to Azure
- ✓ Seamlessly Integrate with Azure Services

WEKA on Azure: Sample Architecture

You can deploy WEKA software on a cluster of Microsoft Azure LSv3 VMs with local SSD to create a high-performance storage layer.

The WEKA software extends the single namespace to an Azure Blob Storage bucket for capacity storage at the lowest cost. The same software runs in the cloud and in your on-premises data center. You can capture data from local devices like microscopes, imaging machines, video capture, or IOT devices across any storage protocol (S3, POSIX, NFS, S3, or CSI). You can immediately analyze data on-premises, or you can quickly spin up an entire WEKA environment in Azure for cloud bursting, and scale it back down when not in use so you never spend money on resources you don't need.

> ***For details on the unmatched performance of WEKA in Azure, <u>visit our whitepaper</u>.**

How Customers use WEKA on Azure

Customers across diverse industries turn to WEKA to enable their most demanding workloads in Azure and their on-premises data centers. The unique software-defined data platform provided by WEKA enables seamless hybrid cloud deployments, migration from on-prem to cloud, and new cloud-native deployments.

Media & Entertainment

Use cases: Post-production, VFX, Color Correction, Production studio in the cloud

- ✓ Burst VFX, rendering, and post-production workflows to Azure
- ✓ Deliver 120 frames per second from the cloud
- ✓ Reduce project turnaround times by 90%
- ✓ Reduce storage infrastructure costs by to up 65%

Life Sciences

Use cases: Genomics Processing, Drug Discovery

- ✓ Burst drug discovery analysis to the cloud
- ✓ Reduce file storage costs by 65%
- ✓ Reduce genomics and drug discovery workflows from months to days.

HPC

Use cases: Scientific Analysis, Geospatial Modeling, Design Automation

- ✓ Reduce modeling times from months to hours
- ✓ Eliminate over-provisioning of storage to meet performance targets
- ✓ Optimize cloud utilization with storage that scales up and down

ML/AI

Use cases: Generative AI, Natural Language Processing

- ✓ Build ML/AI models at exabyte scale at a terabyte cost post
- ✓ Accelerate ML modeling by 7x or more.

WEKA on Azure: Specs

Virtual Machines	Azure LSV3 Family	No. of files or directories	**Up to 6.4 trillion files**
Cluster Size (VMs)	6 to Hundreds	No. of files in a single directory	**Up to 6.4 billion**
Object Storage	Azure Blob Storage	Capacity with object store	**Up to 14 Exabytes**
Protocols	POSIX, NFS, SMB, S3, CSI	No. of File Systems	**Up to 1,024 per Cluster**
Automation	Hashicorp Terraform Azure Marketplace	Snapshots	**Up to 24,576 Readable Snapshots (14,336 if all writable)**

Get started with [WEKA in the Azure Marketplace](#) today!

WEKA

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