Case Study

Industry: **Healthcare, Veterinary Diagnostics**

Leading Veterinary Lab Automates Archiving of 720TB/Month with Tiger Bridge and AWS



Customer Overview

This large international veterinary reference laboratory network provides veterinarians with routine and specialized diagnostic testing, operating high-volume imaging and scanning across laboratories in multiple regions to deliver fast, accurate results to clinicians.

Project Background

- **720TB of scan images generated every month**
- **14 locations, each with dedicated infrastructure**
- **Centralized review overloading the main datacenter**
- **Costly remote links to every site**
- **Manual processes slowing image review**

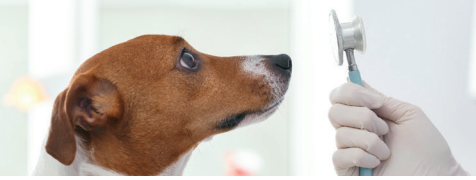
Challenges and Opportunities

The company's laboratory scanners produce enormous diagnostic image files around the clock. Across 14 locations, every image had to be sent to a dedicated team for review. Roughly half were deleted; the rest were kept for 180 days.

The entire process ran through a single central datacenter. That design required a very expensive storage system able to absorb traffic from every remote site, along with costly secure links connecting each location back to headquarters.

The architecture did not scale. Each new location added load to the central site until performance began to drop, pushing up average image review times. Many steps were still handled manually. The company saw an opportunity: send images straight to the cloud and automate their full lifecycle.

> "Every new location added more load on our central site until performance started to drop. The setup was expensive, it wasn't scalable, and too much of it depended on manual work."
>
> – Technology Manager



The Solution

Before Tiger Technology, the lab relied on standard Windows servers and basic tools to upload data to the cloud. In its evaluation, Tiger Technology was the only vendor that offered a viable solution with the level of automation the lab required, and the team customized the deployment to cover its specific requirements.

Tiger Bridge at Every Site

Tiger Bridge runs on the Windows file server at each laboratory, alongside existing local DAS or SAN storage. Scanners keep writing to the same file shares, so lab workflows stay exactly as they were.

Automated Image Workflow

Replicate: Tiger Bridge Sync automatically replicates new scan images from each site directly to Amazon S3, bypassing the central datacenter.

Analyze: Images in S3 are available in their native format for AI-based analysis and review from a single location, with no re-ingestion required.

Archive: Flagged results move automatically to Amazon S3 Glacier for long-term retention, while images not needed are removed.

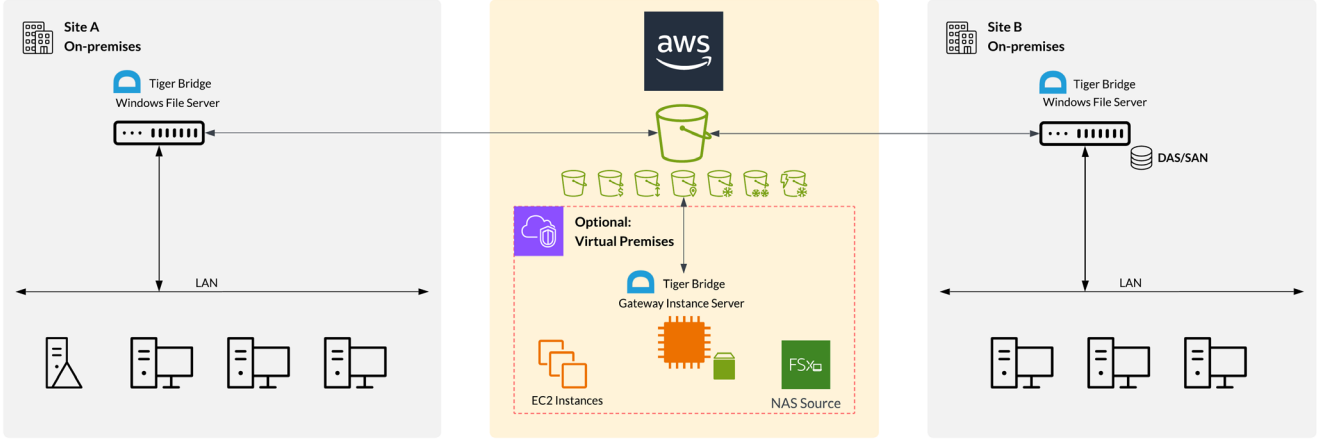
Continuous Data Protection (CDP)

Tiger Bridge CDP protects every image from the moment it lands on the file server, giving the lab versioning and recovery without separate backup software or manual copy jobs.

Fast, Repeatable Rollout

The lab and Tiger Technology deployed the first one to two sites together. With the process proven, the lab's internal team carried out the remaining deployments themselves, smoothly and quickly. The rollout continues across the network.

Solution Architecture Diagram





The Results

- 60% cost savings compared with the previous centralized architecture
- 720TB of diagnostic images per month replicated and archived with zero manual intervention
- Image review fully automated and run from a single location
- Image traffic sent directly to AWS instead of through the central datacenter
- Every image protected with Tiger Bridge Continuous Data Protection
- Scalable rollout, with new sites deployed by the lab's own IT team

The Tiger Bridge and AWS implementation transformed how the lab moves, reviews and retains its diagnostic images:

Lower Cost: Replacing the expensive central storage system with Amazon S3 and S3 Glacier cut costs by 60%, while ending the need to push every image across remote links.

End-to-End Automation: Replication, review hand-off, archiving and deletion now run automatically, eliminating the manual steps that slowed the old process.

Centralized Review, Distributed Scale: Reviewers work from one location on images already in the cloud, so adding a lab no longer degrades performance for everyone else.

Built to Grow: Each new site follows the same proven pattern, letting the lab expand its laboratory network without expanding central infrastructure.

> "Tiger Technology was the only vendor that offered a viable solution with the level of automation we needed. Once we did the first sites together, our own team rolled out the rest. It went smooth and quick."
>
> – Technology Manager

The solution has positioned this laboratory leader to focus on what matters most, delivering fast, accurate diagnostics for veterinarians and their patients, rather than on managing image storage infrastructure.

Tiger Technology

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Tiger Technology helps enterprises efficiently manage their critical data while optimizing costs, enhancing security, ensuring compliance, and enabling global collaboration. Its on-premises-first approach allows businesses with mission-critical workflows access the scalability of the cloud without sacrificing performance.

Tiger Technology is an AWS Differentiated Software Partner awarded AWS CEE Rising Star Partner of the Year in 2025. The company holds an AWS Storage Competency, with Tiger Bridge also available in AWS Marketplace.

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