

Dataprise saves 150+ engineering hours per month and drives six-figure annual Azure cost reductions with Nerdio



Industry: Managed service provider

Platform: Nerdio Manager for MSP

Region: North America

RESULTS

150+

engineering hours saved per month across 16+ Azure Virtual Desktop (AVD) customers through automated image management and deployment.

100%

of AVD customers standardized on Nerdio Manager for MSP for deployment, image management, and cost optimization.

\$72,000+

annual savings on a single AVD host pool using advanced auto-scaling.



Challenges

- Deploying and updating Azure Virtual Desktop environments required manual PowerShell processes, Sysprep image capture, and multi-step VM rebuilds that consumed a minimum of two hours per image per month.
- Native Azure auto-scaling only supported basic on/off schedules, leaving significant cost optimization opportunities unrealized.
- As a structured MSP with separate project and support teams, Dataprise needed a repeatable, standardized AVD platform that could be efficiently handed off post-deployment.



Solutions

- Standardized all AVD deployments on Nerdio Manager for MSP to automate host pool provisioning, golden image management, and monthly image updates.
- Implemented advanced auto-scaling policies based on CPU, RAM, and session utilization to dynamically right-size infrastructure and reduce Azure spend.
- Leveraged Nerdio University, in-person training, and direct access to Nerdio engineers to accelerate team expertise and continuously optimize deployments.

Ready to get started?

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Scaling Azure Virtual Desktop without scaling complexity

Dataprise, a managed services provider with a dedicated Azure engineering practice, supports a growing number of customers running Azure Virtual Desktop environments.

As that footprint expanded across customers, the operational load grew with it.

Each new deployment required provisioning host pools, configuring session hosts, building and maintaining images, and ensuring every environment could be cleanly handed off from the project team to long-term support. Much of that work was script-driven.

“I used to do everything via PowerShell, creating all the objects and everything,” explained Randy Dover, Cloud Engineer and Manager of Azure at Dataprise.

That approach worked, but it didn’t scale easily. Every build depended heavily on engineer expertise. Every image update required hands-on effort. And every project-to-support transition introduced risk if documentation or processes weren’t perfectly aligned.

With 16–17 AVD customers—many running multiple images—even routine monthly updates became time-consuming.

“It was more manual,” Dover said. “You had to go in and touch each piece.”

As Azure usage scaled, so did the number of moving parts. The team needed a way to standardize deployments, reduce administrative overhead, and keep costs aligned with actual usage without increasing headcount.

Standardizing deployments across teams

By introducing Nerdio Manager for MSP into its Azure practice, Dataprise shifted from script-heavy builds to a more structured, portal-driven model.

“Now I can do it from a portal, and it’s straightforward,” Dover said.

For an organization that separates implementation from ongoing support, that shift was significant.

“When we’re done with the project build-out, we turn it over to the support team. Nerdio makes it easier for us to make that transition.”

Randy Dover, Cloud Engineer and Manager of Azure at Dataprise



Instead of custom builds tied to individual engineers, deployments became repeatable and consistent. That standardization reduced friction internally and lowered risk for customers.

“It saves us time. It makes our deployments repeatable.”

Reclaiming hours from image management

Image lifecycle management was one of the biggest time drains.

Previously, updating and assigning images across host pools required manual coordination. Now, scheduled image tasks automate much of that process.

“We have a task that automatically updates that image on a schedule and adds it to the appropriate host pool,” Dover said. “All we have to do is update that base image.”

The time savings are measurable... and powerful.

“It saves us about two hours per month, per customer, per image.”

Across their customer base, that translates into dozens of engineering hours reclaimed each month—time redirected toward higher-value customer initiatives.

Driving measurable cost efficiency

Cost control was another operational pressure point.

Left unmanaged, host pools can quietly accumulate unnecessary compute costs. With Nerdio’s Auto-Scaling capabilities, Dataprise aligned infrastructure more closely with real usage patterns.

“We’ve seen savings from scaling. On one pool, we’re saving over \$6,000 per month.”

Randy Dover, Cloud Engineer and Manager of Azure at Dataprise

For customers, those savings reinforce confidence. For Dataprise, they strengthen the business case for Azure Virtual Desktop as a managed offering.

AVD that's realistic to operate at scale

For Dover, the conclusion is practical.

"If they're using AVD, they will use Nerdio," he said. "There's no reason not to."

For Dataprise, Nerdio didn't change what Azure Virtual Desktop could do. It changed how sustainably the team could deploy, manage, and scale it across customers, across images, and across internal teams.

As the company continues growing its Azure practice and onboarding new AVD customers, Nerdio Manager for MSP provides the standardized platform Dataprise relies on to keep deployments efficient, repeatable, and cost-optimized.

About Nerdio

Nerdio is a leading provider of powerful, simplified cloud management solutions for businesses of all sizes. Trusted by managed service providers (MSPs) and enterprise IT departments alike, Nerdio equips organizations with seamless, cost-effective management tools for Azure Virtual Desktop (AVD), Windows 365, and comprehensive Modern Work solutions.

With thousands of customers worldwide, Nerdio accelerates cloud adoption, enabling companies to thrive in an era of hybrid work by providing modern, future-proof technology that adapts to evolving workplace needs.

For more information, please visit www.getnerdio.com.