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Unlocking the best TCO for Azure Virtual Desktop with Nerdio Manager and Archera

Azure Virtual Desktop (AVD) offers unparalleled flexibility and scalability for today's dynamic workforce.

However, realizing its full potential requires a strategic approach to managing both operational efficiency and cloud spend. While many organizations struggle with the complexities of AVD deployment, management, and cost control, a powerful combination of solutions has emerged to deliver the ultimate total cost of ownership (TCO). This document outlines the joint value of using Nerdio Manager with Archera to automate, optimize, and financially engineer your AVD environment for maximum cost savings and operational excellence.

The challenge: taming the complexity and cost of AVD

While AVD provides a robust platform for delivering virtual desktops and applications, organizations often face significant hurdles in achieving a favorable TCO. These challenges include:

- **Operational overhead:** The native AVD management tools can be complex and time-consuming, requiring specialized expertise for deployment, image management, and user administration.

- **Cost sprawl:** Without diligent monitoring and optimization, AVD costs can quickly spiral out of control due to overprovisioned resources, inefficient scaling, and suboptimal storage configurations.

Commitment risk: Committing to Azure Reserved Instances (RIs) and savings plans to reduce costs can be risky, as predicting long-term usage patterns is difficult and often leads to underutilization and wasted spend.

- **Lack of visibility:** Gaining a clear, consolidated view of AVD costs and user performance can be challenging, making it difficult to identify and act on optimization opportunities.

Nerdio Manager for Enterprise: Automate and optimize AVD operations

Nerdio Manager for Enterprise is the definitive solution for simplifying the deployment, management, and optimization of AVD environments. By providing a single, intuitive interface, Nerdio empowers IT administrators to:

- **Automate deployment and management:** Deploy and manage AVD environments in hours instead of weeks with guided setup and streamlined workflows.

- **Optimize with advanced Auto-Scaling:** Nerdio's patented Auto-Scaling technology intelligently scales AVD resources based on real-time user demand, significantly reducing compute and storage costs.

- **Simplify image management:** Effortlessly create, manage, and update golden images, ensuring consistency and reducing the time spent on patching and updates.

- **Gain actionable insights:** Leverage detailed performance monitoring and cost reporting to make data-driven decisions that enhance user experience and control spending.

Archera: Financially engineer your Azure commitments

Archera provides a sophisticated platform for optimizing your cloud spend through intelligent management of Azure commitments. By de-risking and automating the procurement of RIs and savings plans, Archera enables you to:

- **Maximize commitment savings:** Confidently purchase RIs and savings plans with Archera's guarantee, ensuring you get the best discounts without the risk of underutilization.

- **Utilize flexible, short-term commitments:** Adapt to changing business needs with the ability to make short-term commitments, avoiding the lock-in of traditional one and three-year plans.

- **Automate commitment management:** Archera's platform automates the buying, selling, and rebalancing of your commitment portfolio, ensuring you are always optimized for the lowest possible cost.

- **Forecast and plan with confidence:** Leverage advanced forecasting and modeling to make informed decisions about your cloud procurement strategy.

Better together: a symbiotic approach to AVD TCO

The true power of this combined approach lies in the complementary nature of Nerdio Manager for Enterprise and Archera. While Nerdio optimizes the operational efficiency and consumption of AVD resources, Archera optimizes the financial structure of your Azure spend.

Synergy point	Nerdio Manager for Enterprise	Archera	Combined value
Resource optimization	Intelligently scales and manages AVD resources to match user demand, eliminating waste.	Monitors commitment performance and coverage to ensure rate optimization. Provides cash-back rebate guarantees to cover commitment underutilization.	Ensures that the precisely provisioned resources are paid for at the lowest possible rate.
Cost control	Provides granular control over compute and storage consumption through automation.	Provides intelligent recommendations and optional automation to optimize commitment coverage.	Secures the best commercial terms for the consumed resources through optimized commitments.
Strategic planning	Offers detailed insights into historical usage and performance to inform capacity planning.	Leverages historical data and future plans to forecast and model optimal commitment strategies.	Enables a holistic approach to AVD TCO, from operational efficiency to financial engineering.

Next steps

By leveraging Nerdio Manager for Enterprise to streamline AVD operations and Archera to optimize Azure commitments, organizations can achieve a level of cost savings and efficiency that is unattainable with either solution alone. This powerful combination empowers you to unlock the ultimate TCO for your Azure Virtual Desktop environment, freeing up valuable IT resources and budget to focus on strategic initiatives that drive business growth.

To learn more about how Nerdio Manager for Enterprise and Archera can revolutionize your AVD deployment, please **contact us for a personalized demo**.

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**.