

## Plans & Pricing

NEW

### INTUNE ONLY

**\$1** per user /  
per month

### STANDARD

**\$3** per AVD user /  
per month

### PREMIUM

**\$7** per AVD user /  
per month

*\*User is defined as an active AVD user that logged in at least once during the month OR a user with a provisioned Cloud PC.*

AVD COST & PERFORMANCE OPTIMIZATION	STANDARD	PREMIUM
<b>VM Power Management</b> Start VMs when users need them and stop them automatically when no longer in use. VM power management reduces Azure compute costs up to 75%.	✓	✓
<b>VM Just-In-Time Create/Delete (Burst)</b> Create new session host VMs on-the-fly, as needed, without keeping many VMs created and consuming storage costs by the OS disks. Newly created VMs are always fresh and based on the pristine image state. Add scripted actions to customize the VM provisioning process. When the VMs are no longer needed they can be automatically removed from the environment. A mix of "base capacity" (always created VMs) and "burst capacity" (just-in-time VMs) optimizes costs and user experience.	✓	✓
<b>Scheduled &amp; Event-Driven Scaling</b> Start, stop, create, or delete session host VMs based on several auto-scale algorithms that take into account actual usage (e.g. CPU, current active sessions) and/or do so on a schedule to pre-stage capacity in expectation of users logging in.	✓	✓
<b>Multiple Scaling Algorithms (CPU, RAM, Average &amp; Available Sessions, User-Driven)</b> Dramatically reduce Azure compute and storage costs up to 75% by precisely matching the size of Azure infrastructure to the user demand at all times. Nerdio Manager provides multiple auto-scaling algorithms based on CPU usage, RAM usage, user sessions, and user-driven behaviors. Multiple usage triggers can be combined (e.g. CPU and RAM) for precise scaling behavior.	✓	✓
<b>3 Scale-In Aggressiveness Levels (High, Medium, &amp; Low)</b> Balance between cost savings and end-user experience by setting one of three scale in aggressiveness levels that controls the type of hosts that can be scaled in (stopped or removed). High aggressiveness provides the highest savings and will forcefully disconnect even active users after end of work hours. Medium will stop host with disconnected sessions. Low aggressiveness will only stop or remove hosts that has no user sessions.	✓	✓
<b>Multiple Auto-Scale Schedules Per Host Pool</b> Create multiple auto-scale pre-stage settings to ramp up host pool capacity during certain days of week and times of days. In education environments multiple schedules can be used to turn on VMs based on a pre-defined class schedule.	✓	✓
<b>VDI Host Pools (Single-User Pooled VMs) Auto-Scaling</b> Provide users with non-persistent, single-user pooled desktops that are used exclusively by a single user during the session then returned to the pool, optionally refreshed/re-imaged, and made available to others. This VDI host pool configuration provides significant savings as compared to permanently-assigned personal desktops.	✓	✓
<b>Personal Host Pool Auto-Grow</b> Dynamically expand the size of a personal desktop host pool by adding new session host VMs when the number of available (not assigned to a user) desktops falls below a pre-defined number or % of total.	✓	✓
<b>Personal Host Pool Auto-Shrink</b> Automatically remove desktops from personal host pool when these desktops have not been used for an extended period.	✓	✓
<b>Alert if Running OS Disk Differs from Policy</b> A warning is displayed if session host's OS disk differs from the running OS disk policy, allowing administrators to identify the issue.	✓	✓

AVD COST & PERFORMANCE OPTIMIZATION	STANDARD	PREMIUM
<b>Spot VM Instances</b> Save up to 90% on Azure VM compute costs while testing an AVD deployment by creating session hosts as Spot VMs. Not to be used in production scenarios as VMs can be unexpectedly "evicted". Easily convert VMs from spot to pay-as-you-go and back to spot VMs with this scripted action.	✓	✓
<b>Reserved Instances Analytics For Auto-Scale</b> Save up to additional 60% on the cost of Azure compute by using Reserved Instances in combination with auto-scaling. Nerdio Manager will analyze prior auto-scale behavior and recommend quantity of CPU core reservations to purchase to take advantage of RI savings.	✓	✓
<b>Auto-Deallocate User Stopped VMs</b> Host VMs shut down from inside Windows are in a stopped, but not deallocated, state and continue to generate Azure compute costs. Nerdio Manager can automatically detect VMs in this state and deallocate them proactively.	✓	✓
<b>VM OS Disk Auto-Convert To Lower Storage Tier On Power Off</b> Define "running" OS disk storage type (e.g. Premium or Standard SSD) and "stopped" OS disk storage type (e.g. Standard HDD). Auto-scale will change the OS disk to cheaper storage when it stopped and automatically change it to a more performance storage type when the VM is started. This results in up to 75% in OS disk storage savings when the VM is not running.	✓	✓
<b>Ephemeral OS Disks</b> Save on OS disk storage costs and increase performance with Ephemeral OS disks that can be used for AVD session host VMs. Ephemeral OS disks are free and are stored on the Azure physical host's local storage and are therefore faster.	✓	✓
<b>VM OS Disk Shrink To 64 GB And 32 GB</b> Reduce the size of an image VM's OS disk from the default 128GB to 64GB (or 32GB). This reduces storage costs for session host VMs by requiring a smaller disk and allows for use of smaller VMs with ephemeral OS disks.	✓	✓
<b>Azure Files Schedule, Free Space, &amp; Latency-Based Scaling</b> Ensure high performance of Azure Files at the lowest possible cost. The performance characteristics of Azure Files Premium are determined by the provisioned capacity quota. Storage auto-scale increases capacity quota in response to increased storage latency (or on a schedule), and decreases it when the extra performance is no longer needed to save on costs.	✓	✓
<b>FSLogix Profile Compression</b> Shrink FSLogix VHD(X) by removing the "white space" from inside the profile container. This dramatically reduces FSLogix storage costs.	✓	✓
<b>Windows 10 &amp; 11 Optimization For Higher User Density</b> Automatically run Microsoft's Windows 10 and Windows 11 virtual desktop optimization tool on session host VMs as they are created. This results in drastically improved performance and increased user-per-CPU density, which reduces total Azure compute costs.	✓	✓
<b>Automatically Apply Azure Cost Management Tags</b> Make use of the new "cm-resource-parent" tag for cost reporting in the Azure console.	✓	✓
<b>Per User Currency Preferences</b> Currency preferences can be selected and viewed on a per-user basis.	✓	✓
<b>Auto-Scale Sessions During Working Hours</b> Scale-in activities can now be set to 'any time,' allowing scale-in tasks to be performed during working hours.	✓	✓
<b>Auto-grow Naming Enhancements</b> Customers may now choose among 3 auto-grow naming conventions. 'Standard' naming will use the next available name, 're-use names' will always attempt to reuse names previously used in the pool (if available), 'unique names' will always attempt to use a unique name for new hosts. All tasks operate within the restrictions of the configured naming convention.	✓	✓
<b>Auto-Scaling In Multi-Tenant And Cross-Cloud AVD Deployments</b> Reduce Azure compute and storage costs in complex cross-sovereign Cloud and multi-AAD tenant deployments.		✓

AVD COST & PERFORMANCE OPTIMIZATION	STANDARD	PREMIUM
<b>Azure NetApp Files Schedule, Free Space, &amp; Latency-Based Scaling</b> Ensure high performance of Azure NetApp Files at the lowest possible cost. The performance of an Azure NetApp Files volume is determined by the volume size, regardless of capacity actually used. Storage auto-scale increases the volume size during times of peak demand (e.g. log-on and log-off storms) and decreases it automatically when the extra boost in performance is no longer needed. This is done based on a schedule and/or in response to elevated IO latency. Storage auto-scale also automatically grows volume (and capacity pool) size when capacity reaches a pre-defined threshold ensuring that it never runs out of space.		✓
<b>Multiple Trigger Auto-Scale</b> Configure host pools to scale in and out based on up to 3 usage criteria. Auto-scale triggers can be CPU+RAM, CPU+RAM+Sessions, CPU+Sessions, or RAM+sessions. Host pool capacity will increase (scale out) when ANY of the scale out triggers are true and will decrease (scale in) when ALL scale in triggers are true.		✓
<b>Log Analytics Workspace Storage Usage Optimization</b> Log Analytics is used by Azure Monitor AVD Insights (and other monitoring solutions like Sepago) to collect and store diagnostic data. The size and cost of Log Analytics can quickly grow and make up a large component of the overall AVD cost. Azure Log Analytics pricing is complex and depends on ingestion rate, retention period, performance counters collected, and sampling frequency. Nerdio Manager analyzes all these dimensions and makes recommendations on how to best optimize Log Analytics costs.		✓
<b>Azure Capacity Extender</b> Overcome Azure compute capacity limits by specifying multiple fallback VM sizes for use if capacity is exhausted for your preferred VM size in the region. Ensure that hosts creation, auto-scale, auto-grow, and auto-heal operations do not fail due to Azure capacity constraints.		✓
<b>Azure Capacity Extender - Intelligent Automation</b> Building upon the standard capabilities of Azure Capacity Extender. Intelligent automation allows for the automatic selection of alternate VM sizes in the event of capacity exhaustion.		✓
<b>Intelligent OS Disk Pre-Staging for Personal Desktops</b> Nerdio Manager learns to predict user behavior based upon previous login times. Pre-stage the running OS disk type of personal desktops according to learned user habits, saving resource costs and optimizing performance.		✓
<b>VM Right Sizing Service for Dedicated Desktops</b> Offers customers the ability to review and optimize personal desktops sizes. Nerdio Manager's VMRSS gathers and assesses resource demand over time and makes dynamic recommendations to resize over or under provisioned desktop VMs. Take the guesswork out of VM resource allocation and realize cost savings for overprovisioned resources.		✓
<b>Rolling Drain Mode</b> Create multiple drain windows and target a specific percentage of your hosts to drain mode, outside of the Scale In Restriction window. This feature allows customers to prevent new connections to a percentage of hosts and allows these hosts to be shut down more quickly, saving on resource costs.		✓
AZURE VIRTUAL DESKTOP MANAGEMENT	STANDARD	PREMIUM
<b>Deploy New or Manage Existing AVD Environment</b> Create a brand new Azure Virtual Desktop environment or allow Nerdio Manager to discover an existing deployment, connecting to existing resources, and manage them.	✓	✓
<b>Wizard-Driven Avd Deployment in Under 2 Hours</b> Deploy Nerdio Manager from Azure Marketplace and configure a new AVD environment with an easy-to-follow, step-by-step configuration wizard. First group of users can access their AVD desktop in less than 2 hours.	✓	✓
<b>Automatic, Scripted AVD Deployment</b> Service providers, system integrators, and consultants can leverage Nerdio Manager's scripted AVD deployment template. Create complete environments with desktop images, host pools, and auto-scaling in minutes.	✓	✓
<b>Multiple Region, Subscription, Network &amp; Resource Group AVD Deployments</b> Create and manage AVD environments that span Azure regions and subscriptions. Quickly link Vnets and resource groups and manage AVD deployments world-wide from unified portal.	✓	✓

AZURE VIRTUAL DESKTOP MANAGEMENT	STANDARD	PREMIUM
<b>Management of Workspaces, Host Pools, App Groups, Remote Apps &amp; Custom RDP Settings (AVD ARM and Classic)</b> Administer every aspect of AVD with Nerdio Manager including workspaces, host pools, application groups, RemoteApp publishing, RDP properties, session time limits, FSLogix, and much, much more. Every Azure service that AVD relies on can be managed with Nerdio Manager.	✓	✓
<b>Complete Session Host Lifecycle Management (Create, Delete, Start, Stop, Restart, Resize, Re-Image, Drain Mode, Run Script)</b> Deploy and manage AVD session host VMs. Hosts can be created manually or with auto-scaling, deleted on-demand or on a schedule, re-imaged to apply updates, run a scripted action, resized, put into or taken out of drain mode, and more.	✓	✓
<b>Automatic Backup and Restore of Session Hosts</b> Enable automatic Azure backup on pooled and personal host pools. Back up and restore individual hosts.	✓	✓
<b>User Sessions (Search, Shadow/Control, Log Off/Disconnect, Message)</b> Manage user sessions across the entire AVD environment, within a workspace, host pool or on a single host. Monitor session status, disconnect or log off the user, shadow or remote control to provide support, or send user an on-screen message.	✓	✓
<b>Standard End-User Self-Service Portal (Start, Stop, Log Off, Disconnect)</b> End users have the ability to log into Nerdio Manager with their Azure AD credentials and manage their own session, restart their desktop VM, or start a session host if none are started in a host pool. (Ability to resize and re-image own desktop is coming soon.)	✓	✓
<b>Dynamic Resource Selection Rules for Optimal VM and Disk Selection</b> Create recommendation and filtering rules to assist with selection of VM sizes and OS disks when creating host pool or adding hosts. VMs can be filtered based on vCPU availability in selected subscription and region, processor, VM family & version, number of cores & GB of RAM, and local temp storage. OS disks can be filtered based on storage type (premium, standard, SSD, HDD, or Ephemeral) and disk size. Resource selection rules can be used to suggest the best VM for a specific AVD use-case and while taking into account core availability. They can also be used to limit the types of VMs and OS disks can be used globally, in a Workspace, or even at specific host pool level.	✓	✓
<b>Azure Files Management (Create, Azure AD Join, Close File Locks, Permissions, Quota)</b> Create, link, and manage Azure Files shares including AD domain join. Synchronize Azure Files permissions with host pools, configure quotas, and enable SMB multi-channel. Manage file lock handles and configure Azure Files auto-scaling to increase quota as needed.	✓	✓
<b>Fslogix Configuration Profiles (Cloud Cache And Azure Blob Support)</b> FSLogix configuration can be complex and overwhelming, but not with Nerdio Manager. Create one or more FSLogix profiles with all the needed options, point at one or more Azure Files, Azure NetApp Files, or server locations and select from VHDLocations, Cloud Cache and Azure Blob storage modes.	✓	✓
<b>Fslogix Profile Reset</b> Delete or archive a user's Fslogix profile directly in the Nerdio Manager console, removing the need to access the Azure portal. Additionally, administrators can choose to 'log off and flush profile' for Fslogix users experiencing profile issues.	✓	✓
<b>Directory Configuration Profiles (Azure AD, Active Directory, Azure AD DS)</b> Multiple identity source profiles can be set up and used automatically on different host pools. Active Directory, Azure AD DS, and Native Azure AD are all supported. Choose the appropriate directory profile when adding a host pool and all VMs will automatically join this directory when being created.	✓	✓
<b>Advanced Host Pool Cloning</b> Create a copy of a host pool with all of its settings: auto-scale config, app groups and RemoteApps, MSIX AppAttach, user/group assignments, VM deployment settings, etc. Save time by creating host pool "templates" that can be cloned to any Workspace, Azure region or subscription instead of starting from scratch.	✓	✓
<b>Session Time Limits (Active, Idle, Disconnected, Remoteapp)</b> Apply user session time limits at host pool level. Automatically log off disconnected sessions, limit the duration of idle sessions, control empty RemoteApp session behavior and more.	✓	✓

AZURE VIRTUAL DESKTOP MANAGEMENT	STANDARD	PREMIUM
<b>Custom Views and Groups with RBAC Role Assignment</b> Easily manage large AVD deployments by creating groups of Custom Views for items like host pools, session hosts, and user sessions that span multiple workspaces. Custom Views groups can have unique icons and contain any number of views. Custom Views groups can also be sorted automatically or manually to help with organization and order. Custom views can be assigned to user who created the view, everyone with access to Nerdio Manager, or to one or more RBAC roles (both built-in and custom). Limit access or make Custom Views available to admins based on their role.	✓	✓
<b>Assign And Un-Assign Users To Personal Desktops</b> Assign Azure AD users to personal desktops to ensure the user will log into a pre-configured VM. Un-assign personal desktops from users who leave the organization and re-use these VMs for new users.	✓	✓
<b>Automatic Custom Azure Tagging Of All Resources</b> Pre-configure custom Azure tags for all Azure resources associated with each host pool. Tags can be used for charge-back and cost allocation by host pool.	✓	✓
<b>Host Pool Utilization Insights</b> View average and peak user-to-CPU and user-to-RAM ratios for each host pool to determine if VMs and host pools are optimally sized, oversized, or undersized.	✓	✓
<b>Enhanced Searching</b> Use built-in search field on all pages to filter items displayed in the table (e.g. find hosts using a specific image). Search matches are highlighted.	✓	✓
<b>Multiple Resource Group and Network Linking</b> Select multiple resource groups or networks to link at the same time instead of linking them one-by-one.	✓	✓
<b>Automatic GPU Driver Installation</b> When creating session hosts using NV-series VMs NVIDIA and AMD GPU drivers are automatically installed.	✓	✓
<b>Azure Dedicated Hosts for Compute Isolation</b> Automate deployment of AVD session host VMs into Azure Dedicated Hosts to enable compute isolation, which can be important in highly secure environments. After creating a host group and at least one dedicated host, individual AVD host pools can be enabled to use isolated capacity by creating VMs on selected host groups and dedicated hosts.	✓	✓
<b>AVD Classic To AVD ARM Migration</b> Move existing host pools from Fall 2019 (Classic) object model to Spring 2020 (ARM) object model. Choose to whether to move or copy user assignments. Existing session hosts are automatically migrated or new ones can be created in the ARM host pool.	✓	✓
<b>Automatic Performance &amp; Utilization Monitoring Configuration</b> Automatically enable and configure AVD integration with Azure Monitor. Zero configuration required. Azure Monitor Insights for AVD can be used instead of or in conjunction with Sepago Monitor.	✓	✓
<b>Global Search Bar</b> Search for resources, objects, and settings from the top of any page to quickly navigate to your desired location.	✓	✓
<b>Domain Join Azure Files with a Computer Account</b> Join Azure Files storage accounts to AD by creating either a user object or computer object in Active Directory. When using the computer account option AES256 encryption is automatically enabled.	✓	✓
<b>Batched Start and Create Actions</b> Allows desktop start actions to be grouped, extending the batched action functionality from previous releases.	✓	✓
<b>RDP Settings Profiles</b> Create global RDP profiles for quick assignment to new and existing hostpools. The feature now includes an advanced RDP text editor.	✓	✓
<b>Custom Nerdio Storage Account Names</b> Administrators can now use their own naming conventions for Nerdio Manager's core storage accounts.	✓	✓

Azure Virtual Desktop Management	Standard	Premium
<b>'Encryption at Gost' Support for Secure Computing</b> Encryption at host can be fully configured, directly from the Nerdio Manager console.	✓	✓
<b>Scripted Action Groups</b> Create collections of scripted actions and assign these scripts as groups rather than individually during standard deployment tasks.	✓	✓
<b>Tag Groups</b> Create collections or 'groups' of Azure tags for assignment to resources including host pools, images, and storage accounts.	✓	✓
<b>Import and Export RemoteApps</b> Import and export RemoteApp collections directly between host pools or in JSON format to allow for migration between environments.	✓	✓
<b>Import and Export AppMasking Rule Sets</b> Import and export AppMasking rule sets directly between host pools or in JSON format to allow for migration between environments.	✓	✓
<b>RDP Shortpath for Public Networks Controls</b> A new default option has been added to control the use of RDP Shortpath for public networks on a per host pool basis.	✓	✓
<b>Custom Auto-shrink Email Messages</b> Custom auto-shrink email messages can now be configured for users. These emails can include variables such as the host pool, host name, and date to simplify the user experience.	✓	✓
<b>Intune Only Mode</b> Organizations who do not require Azure Virtual Desktop management features can now opt to select 'Intune Only mode' to manage Intune devices.	✓	✓
<b>AADDs Compatibility Mode for FSLogix Profile Removal</b> A new option allows administrators to bypass SID searching in AADDs scenarios.	✓	✓
<b>Azure Files AD Join Permissions</b> The option to assign either FSLogix or AppAttach NTFS permissions is now available during file share creation.	✓	✓
<b>Azure Stack HCI Dynamic Memory</b> ASHCI devices can now be configured with dynamic memory allocation, allowing for increased density.	✓	✓
<b>Split-Azure AD Tenant AVD Deployments</b> Link multiple Azure tenants under the same Nerdio Manager instance and manage AVD deployments that span Azure AD tenants. User identities and session host VMs can run in separate tenants for maximum flexibility and security.		✓
<b>Cross-Sovereign Azure Cloud AVD Deployments (Azure Global, US Government, Azure China)</b> Deploy and manage AVD environments that span across sovereign Azure Clouds. Cross-sovereign cloud support allows identity (e.g. users and groups) to be in one Azure Cloud, while session host VMs are in another Azure Cloud.		✓
<b>On-Premises Deployment With Azure Stack HCI</b> Deploy Azure Virtual Desktop in Azure and extend the session host VM placement to on-premises networks using Azure Stack HCI. Nerdio Manager automates deployment of session hosts, AVD agent installation, and full integration into the AVD deployment in Azure. Leverage "burst-to-cloud" capabilities to add session host VMs in Azure once on-premises capacity is consumed.		✓
<b>Azure API Limit Booster</b> Overcome Azure ARM API limitations in very large AVD deployments with thousands of VMs. Multiple client app registrations can be linked to one or more Azure subscriptions and API calls will be evenly distributed across these client app registrations multiplying the API limits thresholds.		✓

AZURE VIRTUAL DESKTOP MANAGEMENT		STANDARD	PREMIUM
<b>Azure NetApp Files Management (Create, Join AD, Link/Unlink)</b> Create, link, and manage Azure NetApp Files accounts, capacity pools and volumes. Configure provisioned volume size, monitor usage, and use auto-scaling to automatically adjust volume and capacity pool size to accommodate the needed capacity and latency requirements.			✓
<b>Teradici PCoIP Integration</b> Automatically deploy Teradici CAM and install PCoIP agent as pooled and personal VMs are created.			✓
<b>Azure NetApp Files Management (Create, Join AD, Link/Unlink)</b> Create, link, and manage Azure NetApp Files accounts, capacity pools and volumes. Configure provisioned volume size, monitor usage, and use auto-scaling to automatically adjust volume and capacity pool size to accommodate the needed capacity and latency requirements.			✓
<b>Teradici PCoIP Integration</b> Automatically deploy Teradici CAM and install PCoIP agent as pooled and personal VMs are created.			✓
<b>Exclude Drain Mode Hosts from Power Policy &amp; AVD Agent</b> Host in drain mode can now be excluded from scheduled or one-time bulk tasks at the pool level. Drain mode hosts can now be excluded from the AVD agent maintenance window tasks configured in the host pool properties.			✓
ENDPOINT & WINDOWS 365 MANAGEMENT		STANDARD	PREMIUM
<b>Unified Endpoint Management</b> Review and manage your Intune enrolled Windows devices quickly and easily within the Nerdio Manager console. Perform management operations such as adding or removing group membership, review the status of devices and user experience details from a single intuitive console.		✓	✓
<b>Granular RBAC for Endpoint Management</b> Powerful granular RBAC allows administrators to build custom roles to limit access to device details and tasks, allowing organizations to delegate many aspects of device management.		✓	✓
<b>Cloud PC Enterprise Environment Preparation (On-Premises Network, Provisioning Policies, &amp; User Settings)</b> Extend existing AVD environments with Windows 365 Enterprise Cloud PCs. Nerdio Manager automatically creates the necessary network connections, images, and provisioning policies based on the current AVD configuration. It can also be used to deploy Windows 365 even if there is no existing AVD deployment.		✓	✓
<b>Cloud PC Device Lifecycle Management (Restart, Re-Provision, Resize, End Grace Period, Run Script)</b> Manage all aspects of Windows 365 Enterprise Cloud PCs. Restart, re-provision from image, resize to a larger VM size based on available licenses, end grace period when Cloud PC is no longer needed, and run any Powershell script on one or more Cloud PCs.		✓	✓
<b>Cloud PC User Group Assignment</b> Create and manage Cloud PC provisioning policy and assign user security groups to policies to begin the provisioning process for licensed users.		✓	✓
<b>Intune Primary User Management On Cloud PCs</b> Automatically detect if a provisioned Cloud PC does not have an assigned Intune primary user. Alert administrator and allow for one-click primary user assignment.		✓	✓
<b>AVD &amp; Windows 365 Image Sharing</b> Leverage existing AVD images to create Cloud PC deployments. Image updates are automatically applied to AVD and Cloud PC environments using these shared images.		✓	✓
<b>AVD &amp; Windows 365 Scripted Actions Sharing</b> Scripted actions are shared between AVD and Windows 365 Enterprise Cloud PC environments. Scripts that install apps, apply optimizations, or anything else that can be scripted with Powershell can be applied to both AVD session hosts and Cloud PCs.		✓	✓
<b>UEM Compliance and Antivirus Dashboard</b> Update compliance and antivirus global dashboards have been added to the console.		✓	✓

ENDPOINT & WINDOWS 365 MANAGEMENT	STANDARD	PREMIUM
<b>Unified Endpoint Management Dashboards Improvements</b> Enhanced dashboards now make use of Windows Update for Business Log Analytics workspaces to provide more detailed update status information.	✓	✓
<b>Intune Policy Management for UEM</b> Assign and review Intune compliance policies, configuration profiles and update policies from the Nerdio manager console.	✓	✓
<b>UEM Global Dashboard for Intune Applications</b> The deployment status of Intune native applications can now be reviewed from a global dashboard, providing an overview of Intune applications within the estate.	✓	✓

ORCHESTRATION & INTEGRATION	STANDARD	PREMIUM
<b>Windows Scripts &amp; Azure Runbooks Scripted Actions Library</b> Scripted actions provide limitless flexibility in AVD deployments. Windows scripts can be used to execute any set of Powershell commands on VMs are created, started, stopped, remove, or re-imaged. This can be used to deploy applications, security software, optimizations, and much more. Azure runbooks can be used to configure and maintain the Azure environment on the outside of the VM. Many triggers are available including VM or AVD host create, start, stop, delete, image create, schedule, run-once, and more.	✓	✓
<b>GitHub Integration With Scripted Actions</b> Synchronize scripted actions with public and/or private GitHub repositories. Use your favorite tools, like Visual Studio Code, to edit and maintain scripted actions with all of the power of GitHub workflows, versioning, and so much more. Scripted actions are automatically synchronized with GitHub repositories and any changes take effect immediately without any configuration changes made in Nerdio Manager.	✓	✓
<b>Run Scripts On Hosts (VM Create/Delete/Start/Stop, Host Register)</b> Windows scripts and Azure runbooks can be executed automatically with security context maintained by Nerdio Manager during VM create, delete, start stop, and AVD host register operations.	✓	✓
<b>Run Scripts On Host Pool (On-Demand &amp; Scheduled)</b> Windows scripts and Azure runbooks can be executed on all hosts within a host pool either on demand or on a schedule with recurrence.	✓	✓
<b>Run Scripts On Image VMs (On-Demand &amp; Scheduled)</b> Automatically install software on newly created desktop images or maintain existing images with regular updates using Scripted Actions.	✓	✓
<b>Run Scripts On Image Capture (On-Demand &amp; Scheduled)</b> Execute Scripted Actions on desktop images while packaging the VM into an image object. These scripts do not impact the original image VM but only apply to the resulting image. For example, SCCM agent can be uninstalled from the image but remain on the image VM where it is used to update and install software.	✓	✓
<b>Schedule Any Host VM Action</b> Leverage powerful scheduling capability to schedule any session host actions such as start, stop, add, delete, re-image, resize, activate, deactivate, run script, and more.	✓	✓
<b>Run Scripts On Session Host Auto-Heal (Coming Soon)</b> Run scripted actions as part of auto-heal remediation. Nerdio Manager watches for session host issues and can execute an automated remediation sequence to resolve the problem. Restarting, executing scripts, or even removing and completely rebuilding the host VM. (Coming soon)	✓	✓
<b>Health Check Probe For Third-Party Tool Monitoring</b> Get status of Nerdio Manager, SQL DB, Azure and AVD access via an unauthenticated URL. Can be used by monitoring tools to check environment health.	✓	✓



ORCHESTRATION & INTEGRATION	STANDARD	PREMIUM
<b>Secure Data Sharing With Scripted Actions (E.G. Credentials)</b> Define global variables that can be used by any scripted action. Variables are encrypted and stored securely in Azure Key Vault.	✓	✓
<b>Third-Party Integrations (AV &amp; Security Apps)</b> Nerdio Manager provides built-in integrations for popular desktop virtualization tools such as Teradici PCoIP, security and AV tools like Sophos, and much more.	✓	✓
<b>Auto-Start Hosts for Maintenance</b> Power on all hosts in a pool during maintenance window operations to ensure installation of latest AVD agent and other updates.	✓	✓
<b>Private GitHub Enterprise Support</b> Integrate your corporate GitHub enterprise repositories into the Nerdio console.	✓	✓
<b>ControlUp Integration</b> Deploy ControlUp monitoring agents to host pools automatically from the Nerdio Manager for Enterprise console.	✓	✓
<b>ControlUp: DR Hosts Configuration</b> Customers using ControlUp monitoring for DR enabled pools can now specify an alternate configuration for the DR hosts.	✓	✓
<b>REST API</b> Leverage the power of Nerdio Manager automation by integrating with existing ITSM platforms (e.g. ServiceNow). Add and re-image hosts, create or update desktop images, control user sessions and much more.		✓
<b>Azure Devops Integration With Scripted Actions</b> Synchronize scripted actions with Azure DevOps. Use your favorite tools, like Visual Studio Code, to edit and maintain scripted actions with all of the power of Azure DevOps workflows, versioning, and much more. Scripted actions are automatically synchronized with Azure DevOps repositories and any changes take effect immediately without any configuration changes made in Nerdio Manager.		✓
<b>Nerdio Manager PowerShell Module</b> Quickly and easily interact with the Nerdio manger API via a dedicated Powershell module. This tool provides powerful management capabilities directly from a PowerShell window or scripted action.		✓
IMAGE MANAGEMENT	STANDARD	PREMIUM
<b>Automatically Re-Image Hosts In Host Pool On A Recurring Schedule</b> Schedule a recurring update to desktop images and automatically re-image host pools on a pre-defined schedule. System and application updates can be automatically applied after-hours without manual intervention.	✓	✓
<b>Opportunistic Host Pool Re-Image</b> Host re-image task will optionally wait for users to log off and only then re-image the session host VM. Alternatively, re-image process can force users to log off after a pre-defined grace period delay.	✓	✓
<b>Retain Host VM Name And IP During Re-Image</b> When session host VMs are re-imaged, the VM name, AD computer object, IP address and DNS host name remain the same. No need to update other systems when re-imaging host VMs since they appear identical to external systems before and after the re-image process.	✓	✓
<b>Image Update Change Log and Reporting</b> Before "sealing" the image (i.e. running "set as image" task) document any changes that were made. A report can be generated to show these changes and who made them.	✓	✓
<b>Image Association Details</b> Nerdio Manager for Enterprise now includes a column on the Images pages detailing host pool associations for each image.	✓	✓

IMAGE MANAGEMENT	STANDARD	PREMIUM
<b>Azure Compute Gallery Replicas</b> New images added to the Azure Compute Gallery can now be replicated, allowing for increased concurrent VM creation activities per image.	✓	✓
<b>Automatic Activation of Staged Images</b> Automatically activate staged images after a specified number of days.	✓	✓
<b>Custom Image Template Integration</b> Leverage the power of Azure Custom Image templates (CIT) as part of the image creation process. Integrate CITs into the existing image management process and apply customizations directly in the UI via parameters.	✓	✓
<b>Resource Rules for Image Management</b> Create customizable, filtered lists of desktop images.	✓	✓
<b>Desktop Image Tagging &amp; Filtering</b> Add tags to Desktop Images from the image menu. In addition, filter images by Azure tag name & value on the Desktop Images page.	✓	✓
<b>Desktop Image Backup Policies</b> Desktop images can now be backed up on a schedule or manually.	✓	✓
END USER PORTAL	STANDARD	PREMIUM
<b>Self-Service End User Restore</b> Allow end users of personal desktops (e.g. developers) to restore their own VM from backup.		✓
<b>Self-Service End User Desktop Re-Image</b> Allow end users of personal desktops (e.g. developers) to re-image their own VM using an image made available to them by the administrator.		✓
<b>Self-Service End User Desktop Resize</b> Allow end users of personal desktops (e.g. developers) to resize their own VM and OS Disk to sizes that have been made available by the administrator.		✓
<b>End User Personal Desktop – Revert to Original Size</b> Administrators can now force desktops resized by end users to revert to their original size after a specified time.		✓
<b>End User Portal – Custom Actions</b> Windows Scripted Actions can now be delegated to users to run on their own desktop. Users may also be permitted to assign tags to their desktop.		✓
<b>End User Portal – Separate Disk &amp; VM Resize</b> The disk & VM resize functions can now be enabled independently, allowing administrators to only show configurable settings to users.		✓
SECURITY & COMPLIANCE	STANDARD	PREMIUM
<b>Single-Customer, Azure Application Architecture</b> Nerdio Manager is a single-customer Azure application deployed from the Azure Marketplace into a customer's own Azure environment. It consists of Azure PaaS services only with no VMs to manage. The application is integrated into Azure AD and uses Graph API to turn the dials inside the Azure environment. No third-parties have any access into the customer's Azure environment.	✓	✓
<b>No Third-Party Vendor Access</b> Nerdio Manager is not a hosted SaaS service, but rather an Azure application that's installed in a single customer environment. There is no third party access to this single-tenant app deployment.	✓	✓

SECURITY & COMPLIANCE	STANDARD	PREMIUM
<b>Data Residency Control</b> Because Nerdio Manager is an Azure application, customers can choose the Azure region where it is deployed. All associated metadata is stored in a selected Azure region with customer having full control over backup, retention, and destruction.	✓	✓
<b>Built-In RBAC Roles</b> Delegate access to deploy and administer AVD deployments to users with defined role-based access controls. Built-in AVD Admins can full access to the environment, Reviewers have read-only access, Desktop Admins can manage images and power state of host VMs, Help Desk users manage user sessions, and End-users can manage their own virtual desktop session in a self-service portal.	✓	✓
<b>Per-Workspace And Per-Host Pool RBAC Role Assignment</b> RBAC admin roles can be assigned to users and groups and proper level of access is provided at Workspace level and host pool. Different groups of admins can manage different sets of Workspaces and host pools within a larger AVD deployment.	✓	✓
<b>Custom SSL Cert And App Service Name Support</b> Company-provided SSL certificate and domain name can be applied to Nerdio Manager for Enterprise Azure App Service to increase the security posture of the deployment.	✓	✓
<b>Private Network Endpoint And Firewall Support</b> Protect Nerdio Manager and AVD deployment by hardening the SQL, Key Vault, Storage Accounts, App Service by enabling private vnet endpoints in Azure.	✓	✓
<b>Prevent Users From Using Saved Password In AVD Client App</b> Increase the security posture of an AVD host pool by preventing users from using saved credentials in their AVD client app. Users will always be prompted for password when logging into their desktop.	✓	✓
<b>Enterprise Security Audit Assistance</b> Access to Nerdio security staff for a phone discussion. Obtain response to security audit or security questionnaire crafted by your organization. Standard two-week turnaround time for security audits. Access to Whistic report.	✓	✓
<b>AVD Watermarking</b> Watermarking for AVD sessions can now be enabled and configured on the host pool settings > VM deployment page.	✓	✓
<b>AES 256 Encryption for File Shares</b> All newly created file shares use secure AES 256 encryption by default, for both Computer & User object joins.	✓	✓
<b>Custom RBAC Roles</b> Create custom roles to control admin access to all areas of Nerdio Manager. Custom roles define scope and level of access and can be assigned to users and security groups. Users can access modules in read-only or full access mode.		✓
<b>RBAC Scope for Images</b> Narrow the scope of available images to users with custom RBAC roles for desktop image management.		✓
MONITORING & REPORTING	STANDARD	PREMIUM
<b>Nerdio Advisor: AVD Modeler</b> AVD Modeler lets you create detailed models for new host pools, these models will provide anticipated costs, allowing you to tweak settings to meet your requirements. Optionally print or export your models.	✓	✓
<b>Complete Environment Dashboard (Named, Concurrent, Monthly Active Users, Host Pools, Hosts, &amp; CPUs)</b> Consolidated dashboard that combines usage, costs, and savings across all Workspaces in AVD deployment. Select desired time range and view graphs of named, concurrent, and active users. View graphs of host pools, hosts, and total CPUs. Review and export data on compute and storage costs savings.	✓	✓
<b>Azure Compute &amp; Storage Costs (Total, Per-Workspace, Per-Host Pool, Per-User)</b> Analyze Azure compute (VMs) and storage (OS disks, Azure Files and Azure NetApp Files) costs at per-hostpool, per-workspace and across the entire environment. Understand average cost per named, concurrent, and monthly active user.	✓	✓

MONITORING & REPORTING	STANDARD	PREMIUM
<b>Monthly &amp; Hourly Usage, Costs, &amp; Savings Exportable Reports (Compute &amp; Storage)</b> Export detailed usage and costs data to be used for chargeback.	✓	✓
<b>Auto-Scale History &amp; Visualization</b> Review auto-scale behavior in an easy-to-understand, visualized dashboard that can be drilled into for more detail. All auto-scale behavior, including corresponding user sessions, can be reviewed for further optimization.	✓	✓
<b>Dynamic Host Pool Cost Estimate Before Creation</b> View project monthly compute (VM) and storage (OS disks) costs when creating a new host pool. The real-time calculation is based on Azure pricing API and takes into account the entire auto-scale configuration profiles. This calculation provides the minimum host pool cost, assuming the pool stays at the minimum size and never scales out, and the maximum cost, assuming the host pool scale out to its maximum size and never scales in.	✓	✓
<b>Negotiated Azure Pricing Support</b> Azure list prices used for all calculations can be adjusted with a negotiated discount so all financial data accurately reflect actual Azure costs.	✓	✓
<b>Email Notifications &amp; Alerting</b> Be always in the know with automated notifications and alerts. Define rules to generate email alerts based on various conditions and actions. Select whom to notify based on tasks, statuses, resources, and other criteria.	✓	✓
<b>User Performance &amp; Utilization</b> Gain fully visibility into AVD environment that extends beyond the Azure Monitor insights. User sessions dashboard provides a wholistic view into user performance that can be drilled down on a per-user basis to understand latency, app input delay, utilization patterns and more.	✓	✓
<b>Host Performance &amp; Utilization</b> Hosts dashboard provides a deep analysis of VM performance and utilization (e.g. CPU, RAM, CPU queue, Disk queue, etc.) and displays recommendations for user-to-host density.	✓	✓
<b>Application Performance &amp; Utilization</b> Application dashboard display per-application-per-user statistics to understand application usage patterns, application resource consumption, and user behavior.	✓	✓
<b>Image Updates Change Log</b> Track and report on all changes to desktop images performed by all users.	✓	✓
<b>Log Shipping</b> All Nerdio Manager informational task logs can now be directed to the Azure Application Insights instance. These logs can then be exported to or queried by an SIEM solution.	✓	✓
<b>'Request AAD Join Logs' for AADJ Operations</b> AAD join logs are now available for host build operations.	✓	✓
<b>Warning for Burst Mode Pools</b> When a pool is using burst resources, a warning is displayed next to the pool.	✓	✓
<b>PowerShell Module: Export Host Pool Configuration</b> Export the current configuration of a host pool in .JSON format including all properties, the total number of VMs, and their current power status.		✓
<b>SMTP Email Alerts</b> Link and use an SMTP gateway for alert configuration.		✓
<b>Per-User Cost Reporting for Chargeback</b> Report on precise per-individual-user costs that allocate the total cost of AVD deployment (compute, storage, network, PaaS, SaaS) to individuals based on duration of their usage of AVD desktops during the selected time frame.		✓
<b>Power BI Connector &amp; Custom Dashboard for User Cost Attribution</b> Export Power BI reports into a customizable dashboard with rich reporting capabilities.		✓

AVAILABILITY & RESILIENCE	STANDARD	PREMIUM
<b>Customizable Auto-Heal</b> Auto-scale can automatically detect broken AVD session hosts and to repair them. The auto-heal sequence can include VM restart, scripted actions (e.g. re-install SxS, re-register host with AVD, etc.) and VM remove, which will re-create the host through auto-scale.	✓	✓
<b>Availability Zones</b> Protect against data center failure by automatically distributing session host VMs across Availability Zones (data centers) in supported Azure regions.	✓	✓
<b>Availability Sets</b> Azure availability sets of variable size can be optionally enabled. When enabled, session host VMs are automatically placed in availability sets when deployed.	✓	✓
<b>Image VM Backup</b> Leverage native Azure Backup to create versions of desktop images before making changes and easily revert to prior versions. Take a backup of an image while powering it on to modify or manually trigger a backup at any time.	✓	✓
<b>Image Update Staging &amp; Testing</b> Modify and update production images and test them without affecting current production host pools that use these images. When updating an image, select for the new version to be created in "staged" mode. Designated test host pools can start using and testing this image right away, but production host pools will only begin using it when it is activated after testing and validation. The end-to-end process of image update, user acceptance testing, and deployment into production can be fully automated.	✓	✓
<b>Scheduled Nerdio Manager Backup</b> Configure a scheduled backup of Nerdio Manager application to protect App Service, Azure SQL database, and key vault contents.	✓	✓
<b>Remote App Maintenance Mode with Scheduling</b> Place RemoteApps in maintenance mode (without requiring AVD feed refresh) to allow for changes while keeping the session host active for other applications. Now includes the ability to run custom actions and specify schedules.		✓
<b>Azure Capacity Extender</b> Overcome Azure compute capacity limits by specifying multiple fallback VM sizes for use if capacity is exhausted for your preferred VM size in the region. Ensure that hosts creation, auto-scale, auto-grow, and auto-heal operations do not fail due to Azure capacity constraints.		✓
<b>Active/Active Host Pool Disaster Recovery</b> Enable host pool level active/active DR configuration and Nerdio Manager will automatically distribute session hosts across two Azure regions. Users will be distributed across VMs in both regions as they log in and FSLogix profiles will be automatically replicated using Cloud Cache. In case of an Azure region failure users will continue accessing VMs in the available region.		✓
<b>Nerdio Database Replication for DR</b> Administrators can now configure their NME application with replicated databases to mitigate the risk of database outages.		✓

APPLICATION MANAGEMENT	STANDARD	PREMIUM
<b>Unified Application Management</b> Applications can be automatically deployed to AVD session hosts and Intune devices. Use Deployment Policies to automatically install, uninstall, or update applications across the desktop environment. Deploy and manage applications on Physical endpoints and Windows 365 through intune integration.	✓	✓

APPLICATION MANAGEMENT	STANDARD	PREMIUM
<b>Application Installation With During Image or Host VM Creation</b> Use Unified Application Management to install and manage applications on desktop images or during session host VM creation. Large library of popular software installations is included and gets updated on a regular basis. Create your own scripts to install and manage your own apps.	✓	✓
<b>Per-User And Per-Group Application Assignment</b> Applications installed on images or session hosts are automatically discovered and can be assigned to only some users and groups (whitelist) or be available to all users with exceptions (blacklist). Leveraging FSLogix application masking technology, apps are completely removed from user's environment unless user is authorized.	✓	✓
<b>MSIX Images Management Library (VHD, VHDX, CIMFS)</b> Create MSIX images using MSIX apps, store them in an Azure Files based library with versioning, and deliver these apps seamlessly to users.	✓	✓
<b>Automatic MSIX Upload And VHDX Package Expansion</b> Upload native MSIX installer files and let Nerdio Manager automatically expand them into a VHDX container, capture all needed metadata, and make the app available for host pool attachment.	✓	✓
<b>Multi-MSIX Package Image Creation</b> Upload multiple MSIX apps to be packaged together in a single VHDX image. Combining multiple apps in a single image reduces the number of VHDX files mounted on each session host VM and improves performance.	✓	✓
<b>MSIX Image Versioning</b> Upload and manage MSIX AppAttach images to an Azure Files share. Update images to new versions and automatically apply to all host pools with existing assignments. Leverage images with multiple MSIX packages inside for more efficient app delivery.	✓	✓
<b>MSIX App Publishing To Users &amp; Groups As Desktop App Or RemoteApp</b> Leverage native AVD MSIX AppAttach integrations via the AVD agent. Assign MSIX packages to host pools from Nerdio Manager image library or use existing images storage on any SMB storage including Azure NetApp Files and file servers.	✓	✓
<b>Certificate Library And Automatic Delivery To Images &amp; Host VMs</b> Upload and manage a library of self-signed or CA-issued certs that were used to package apps in MSIX format. These certificates can be automatically installed on desktop images or session hosts during provisioning.	✓	✓
<b>Import MSIX Image as VHD</b> Upload an existing MSIX app attach image in VHD(x) format by specifying a link to the file.	✓	✓
<b>Per User and Per-Group File, Folder and Disk Redirection</b> File and folder access requests can be redirected to alternate locations, including attached disks. Leveraging FSlogix's file redirection technology allows administrators to control access to specific files and folders, replacing native locations with alternatives.	✓	✓
<b>Unified Application Management Deployment Filter</b> Filter by application deployment results on the Deployment status page.	✓	✓
<b>Geo-Distribute MSIX AppAttach Images</b> Distribute AppAttach packages to multiple linked file shares. When adding applications, the package in the file share closest to the host pool's region is prioritized to reduce latency.		✓
<b>SCCM Integration for Unified Application Management: Private Preview</b> Import and deploy your SCCM applications. Connect directly to your SCCM environment, catalog applications and import applications directly into a private Winget repository.		✓

### Unified Application Management Enhancements

Package names can now be edited in the console & Administrators can specify their own custom installer success codes.



## GET STARTED TODAY!

Start your free 30-day trial by downloading Nerdio Manager for Enterprise Premium from the Azure Marketplace.

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