




Rimo3 + nerdio

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Nerdio Manager for Enterprise

Nerdio Manager for Enterprise adds value on top of the powerful capabilities in Azure Virtual Desktop, Windows 365, and Microsoft Intune by delivering hundreds of features that simplify management, ensure efficient operations, and lower Azure compute and storage costs by up to 80% via automation. It is the leading DaaS optimisation tool for Azure Virtual Desktop (AVD) environments, providing advanced cost saving features including patented auto-scaling for compute and storage resources.

Nerdio Manager simplifies the AVD migration and onboarding process, offering an intuitive user interface and management platform where all host pools, desktop images, and associated resources can be created, managed and monitored.

Unified Application Management + Unified Application Catalog

Unified Application Management (UAM) was introduced in version 5.0 of Nerdio Manager. This functionality is built on top of Microsoft's native Windows Package Manager (WPM) and allows administrators to deploy applications to their Windows desktop estate without the need for additional agents to manage the deployment process.

Through Nerdio's Unified Application Catalog, organizations can create and link their own private application collections (known as 'Winget repositories'), as well as making use of Microsoft's globally accessible Winget community repository, where vendors upload the latest available versions of their software.

Nerdio's UAM provides customers with the ability to create their own private Winget repositories via a simple and intuitive wizard. For deployment tasks, Nerdio UAM provides a single management console from which administrators can search across linked Winget repositories to easily deploy applications to AVD desktops, Windows 365 Cloud PCs and physical Intune-managed devices.

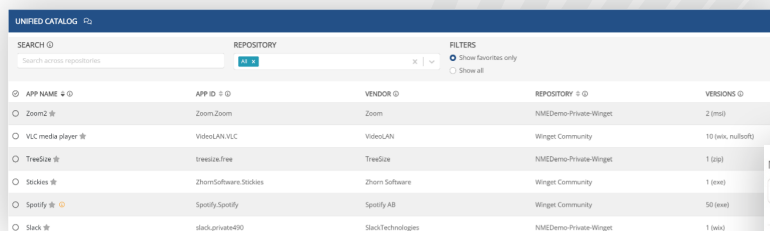


Figure 1: The Unified Application Management catalogue

Customers may also create deployment policies to ensure install and version compliance for devices in scope.

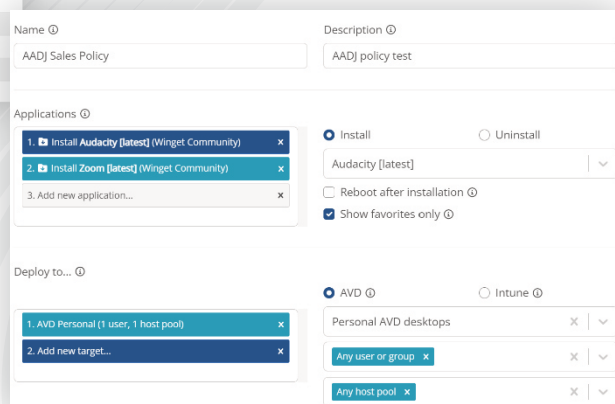
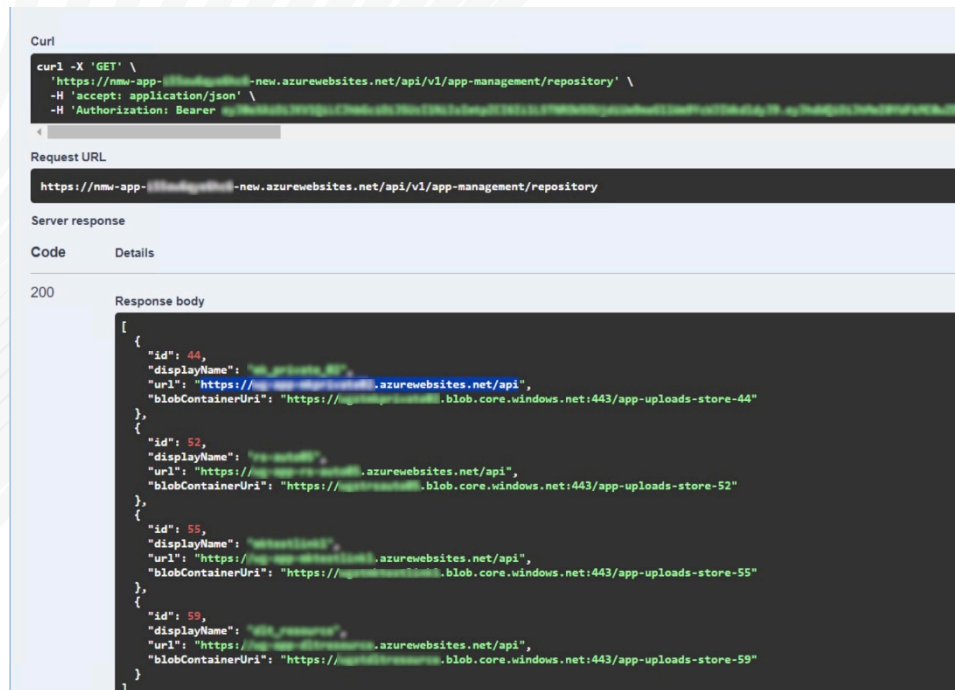


Figure 2: The application policy configuration screen

Automated Application Import via Nerdio **REST API**

Nerdio Manager for Enterprise allows all private repositories and associated resources to be listed via API. The returned URL is the REST API management interface for the specific repository.



```
Curl
curl -X 'GET' \
  'https://nmw-app-...-new.azurewebsites.net/api/v1/app-management/repository' \
  -H 'accept: application/json' \
  -H 'Authorization: Bearer ...'

Request URL
https://nmw-app-...-new.azurewebsites.net/api/v1/app-management/repository

Server response
Code    Details
200

Response body
[
  {
    "id": 44,
    "displayName": "...",
    "url": "https://...azurewebsites.net/api",
    "blobContainerUri": "https://...blob.core.windows.net:443/app-uploads-store-44"
  },
  {
    "id": 52,
    "displayName": "...",
    "url": "https://...azurewebsites.net/api",
    "blobContainerUri": "https://...blob.core.windows.net:443/app-uploads-store-52"
  },
  {
    "id": 55,
    "displayName": "...",
    "url": "https://...azurewebsites.net/api",
    "blobContainerUri": "https://...blob.core.windows.net:443/app-uploads-store-55"
  },
  {
    "id": 59,
    "displayName": "...",
    "url": "https://...azurewebsites.net/api",
    "blobContainerUri": "https://...blob.core.windows.net:443/app-uploads-store-59"
  }
]
```

Administrators may grant API access by using the app key from the respective Winget repository's function app instance. Standard Winget REST commands may then be used to manage applications within the repository. For more information, please refer to this article:

<https://github.com/microsoft/winget-cli-restsource>

Considerations

When uploading binaries to the private Winget repository, the storage blobs should have the following keys in metadata to avoid periodic housekeeping by the Nerdio Manager web app.

```
public const string REPOID = "RepoId";

public const string PACKAGEID = "PackageId";

public const string VERSION = "Version";

public const string INSTALLERID = "InstallerId";
```

The values for the above properties can be gathered from:

1. The API request shown above (Repold)
2. The associated package manifest (packageld, Version, Installer Id).

Automating the Application Problem with Rimo3

[Rimo3](#) offers a comprehensive, cloud hosted solution for modernizing and maintaining your Windows™ application estate, from migration to ongoing maintenance. The platform automates the entire modernization process, eliminating the need for scripting or complex configuration. It integrates with industry-leading solutions and uses your unique infrastructure configuration for testing, modernization, and migration.

Rimo3 Cloud platform is an intelligent and scalable solution that automates packaging, testing, modernization, and migration of Windows applications to modern environments. It simplifies migrations and day-to-day workspace maintenance.

Rimo3 automatically imports enterprise metadata from storage repositories like Configuration Manager, eliminating the need for custom scripting and manual package transfers. After import, applications are discovered and analyzed for their suitability for migration and capturing package customizations.

Automated testing determines application readiness against custom images, and detailed reports highlighting the readiness for Windows 11 target images.

Rimo3 then automates the testing phase to determine application suitability for modern package formats like [MSIX](#) and [VMware App Volumes](#) and automatically converts applications to modern formats. Applications suitable for modern package formats are automatically captured and converted using best practices and vendor-supported tooling.

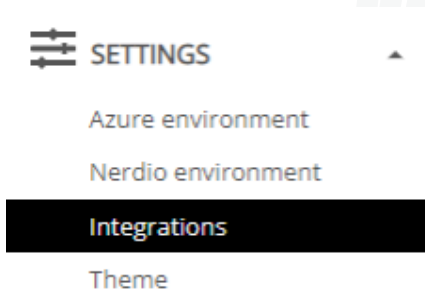
The Rimo3 platform also automatically retests the newly created packages against the target environment. To complete the migration process, Rimo3 facilitates automatic export of the entire application estate to [Nerdio Manager for Enterprise](#) and in our next release, Unified Application Management, enabling efficient management of modern workspaces.

Connecting Rimo3 to Nerdio Manager for Enterprise

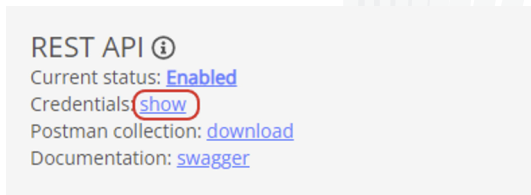
This integration allows you to take advantage of the Rimo3 platform to automate the testing of your existing Windows application estate against AVD single session or multi session and perform the conversion to MSIX. You can then export their converted MSIX applications to [Nerdio Manager for Enterprise](#) to be converted to an App-Attach disk and then used with your Nerdio AVD deployments.

The first step is to obtain your Nerdio REST API credentials:

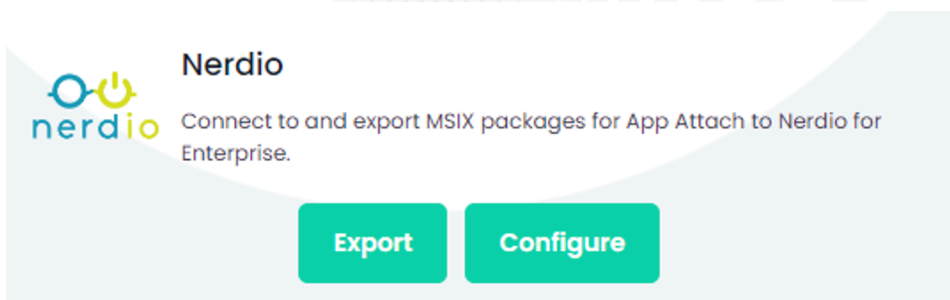
1. Login to Nerdio Manager for Enterprise, or [install from the Azure Marketplace](#).
2. From the navigation menu, under “Settings”, select “Integrations.”



3. Underneath “REST API,” select show next to “Credentials.”

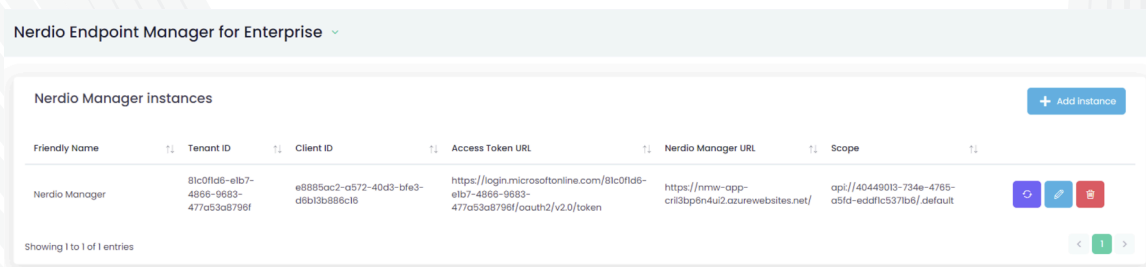


4. You will now have access to the required pieces of information needed to input into the Rimo3 portal to complete the connection.
5. Login to the Rimo3 portal, click on “Advanced” and open the “Integrations” page.

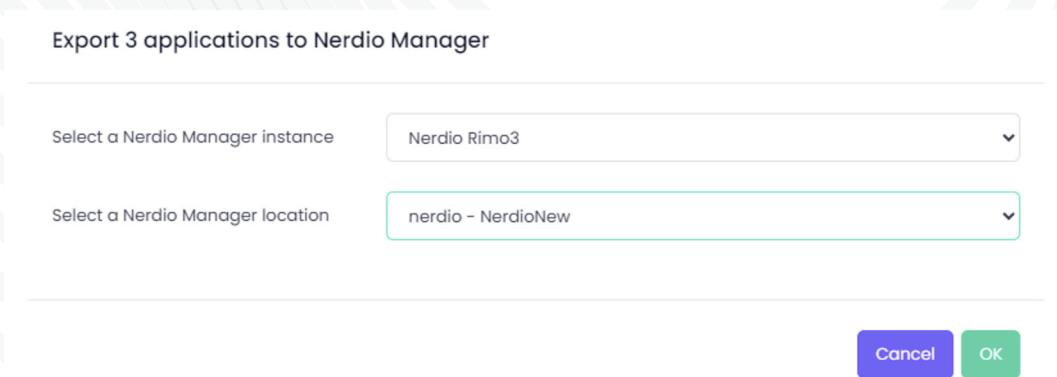


6. From here you can configure the Nerdio connection and input the following information to complete the connection:
 - a. Friendly Name: this is used to help you identify the connection in the platform.
 - b. Tenant ID: found in Nerdio (step 3)
 - c. Client ID: found in Nerdio (step 3)
 - d. Client Secret: found in Nerdio (step 3)
 - e. Access Token URL: found in Nerdio (step 3)
 - f. Nerdio Manager URL: found in Nerdio (step 3)
 - g. Scope: found in Nerdio (step 3)

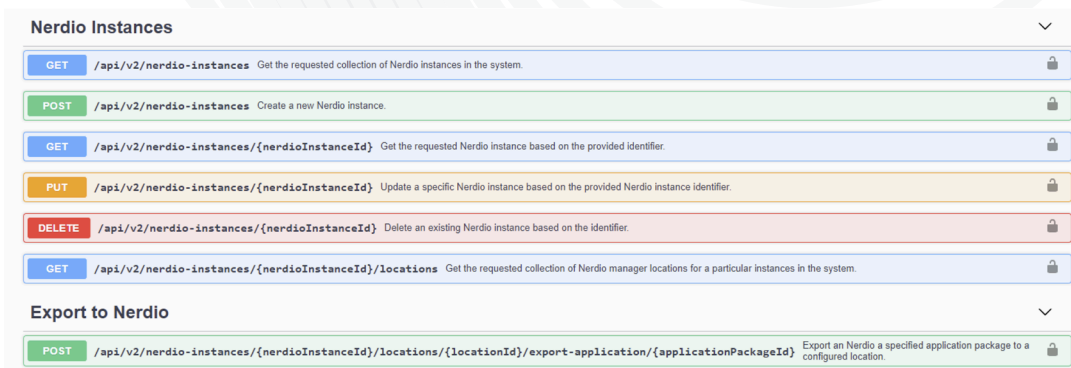
7. Once completed the connection to Nerdio will be validated.



8. You can export applications to your Nerdio environment.



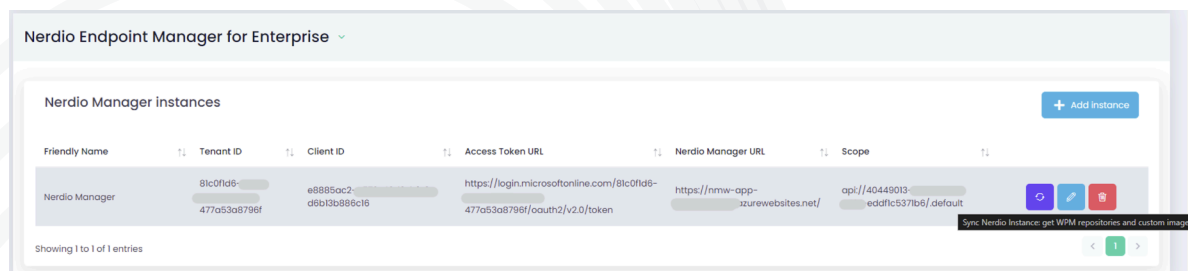
The Rimo3 platform provides the ability to interact with your Nerdio instance via our API. This provides you with the ability to interrogate your configured instances, edit them and perform application exports.



Enhancing the Nerdio Integration

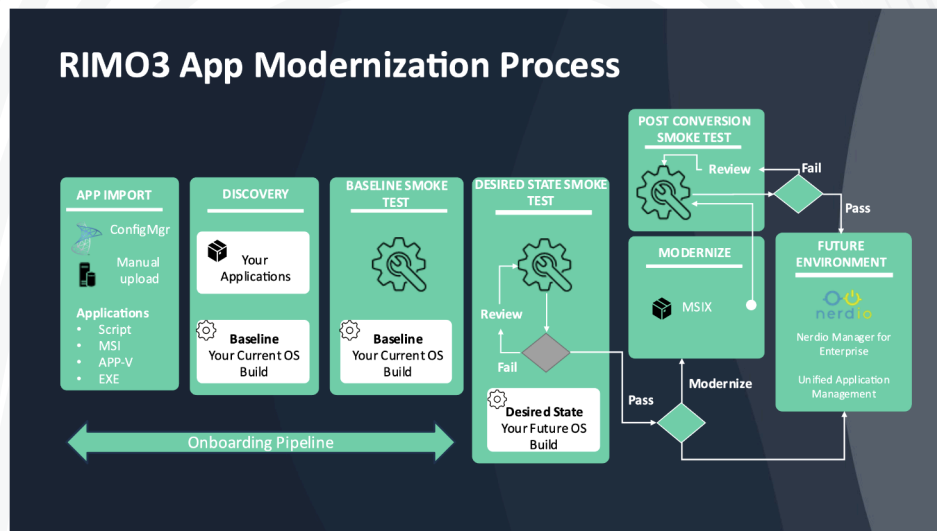
With the [Rimo3 Fraser release](#) we are currently expanding our partnership with Nerdio to provide additional benefits to our shared customers.

When adding a Nerdio Manager for Enterprise instance to your Rimo3 tenant any desktop Images and [Windows Package Manager \(WPM\)](#) repositories configured in Nerdio Manager for Enterprise will be automatically synced to your Rimo3 tenant. If you already have an Nerdio instance configured in your Rimo3 tenant, you can use the manual sync button to take advantage of this new capability.



With this latest release, you will now be able to:

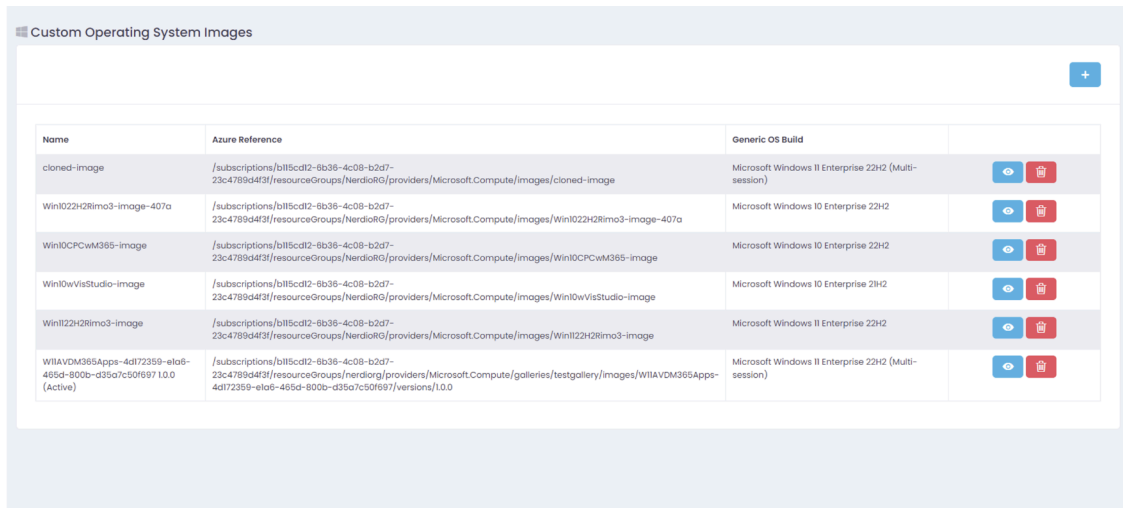
- Export applications to WPM, with the ability to reimport and test the applications against future OS change.
- Import your Nerdio desktop images into Rimo3 and select as an environment attribute for testing.
- Enable Rimo3 to import customer applications from an existing application management platform e.g., SCCM and automate the testing, perform the conversion to MSIX for app attach and exporting of those application to your Nerdio Unified Application Catalog.



AVD Custom Image

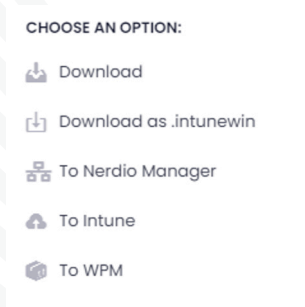
When it comes to testing your applications for AVD suitability, we will always prefer to use your customised image vs an Azure Marketplace Vanilla image.

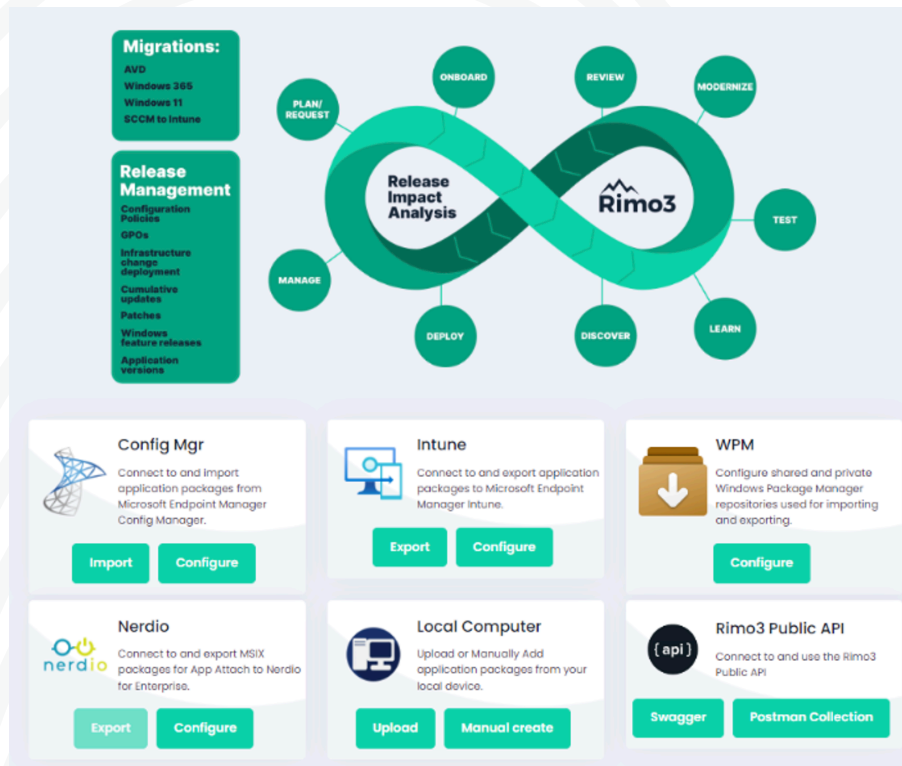
By providing the ability for you to import your Nerdio desktop images into Rimo3, we remove the friction of you having to separately provide your customized image VHD. This ability enables you to automate the testing of your applications against an image that is contextually relevant to your production environment.



Windows Package Manager (WPM) Integration

The second enhancement is our integration with WPM. This integration will allow you to connect to your WPM repositories and export your applications for deployment.





Therefore, if you are using the Nerdio Unified Application Management with WPM, you can now complete export your application from Rimo3 to your Unified Application Catalog.

To ensure that Rimo3 has the permissions to add applications to your WPM repository, you will need to provide the Rimo3 Gateway VM with the following permissions:

- Function App: Logic Apps Standard Contributor (Preview)
- Storage Account: Storage Account Contributor

These enhancements enable end-to-end automated workflows for enabling you to:

- Onboard your existing applications to Rimo3
- Validate your applications against your customised desktop images created with Nerdio Manager for Enterprise
- Convert applications to MSIX for app attach with Nerdio Manager for Enterprise
- Export applications directly to Unified Application Catalog

LEARN MORE

About Rimo3

Rimo3 excels in automated Windows application migration, packaging format updates, and readiness testing for Windows 10, 11, Windows 365, and Azure Virtual Desktop. Rimo3 enables IT departments to hasten deployments and mitigate risks related to security updates and desktop/server environment changes. Their solutions are tailored for physical, virtual, and cloud workspaces, aiming to enhance operational efficiency, reduce costs, and boost end-user productivity. Rimo3 partners with Microsoft, Nerdio, Broadcom, and Citrix to prioritize the success of your applications and workspace needs. Learn more at Rimo3.com

About Nerdio

Nerdio adds value on top of the powerful capabilities in Azure Virtual Desktop, Windows 365, and Microsoft Intune by delivering hundreds of features that simplify management, ensure efficient operations, and lower Azure compute and storage costs by up to 80% via automation.

Leveraging Nerdio, MSPs can manage customers' cloud environments through streamlined, multi-tenant, workflow-powered technology that allows them to create and grow cloud-based recurring revenues. Enterprise IT professionals can deliver and maintain a wide range of virtual Windows endpoints across hybrid workforces with ease and fine-tune end-user computing (EUC) approaches for maximum effectiveness using powerful monitoring and analytics capabilities. For more information, please visit getnerdio.com