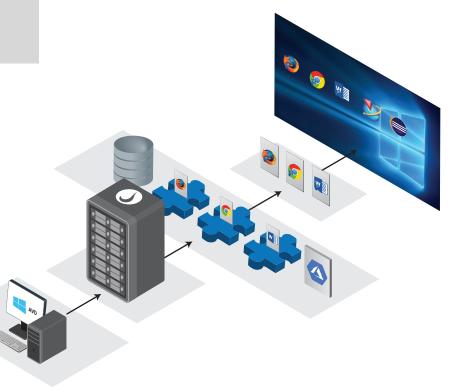# Liquidware FlexApp Streamlines
Application Delivery in Microsoft AVD and Windows 365

FlexApp Benefits for AVD/Azure

- Reduces base image management by delivering applications and corresponding updates as attached layers.

- Compatible with a wide spectrum of applications, including enterprise applications for healthcare, financial, and education environments.

- Compatible with App-V virtualization and MSIX packaging formats.

- Works across all Windows platforms including virtual, physical and cloud, enabling the desktop environment to remain dynamic by making applications portable cross-platform.

- Reduces complexity in hybrid desktop environments.

- Promotes superior application security by centralizing management so all patches, updates, etc. can be quickly and comprehensively applied.

- Microsoft Azure Cloud storage (as well as Amazon, Google and Nutanix if needed) can be leveraged through a simple interface.

- Affordable, pay-as-you-go pricing.

Liquidware™ FlexApp™ is advanced application delivery that enables virtually any application to be delivered to Windows desktops, including Azure Virtual Desktop (AVD) and Windows 365. FlexApp delivers applications dynamically or on-demand, keeping base images simplified and intact. As a result, fewer base images are needed, lessening the time and effort to manage them.

FlexApp enhances AVD and Windows 365 with a highly compatible application attachment format that is compatible with MSIX or any other app format. The solution provides a "Convert-to-Layer App-V" feature that allows customers to convert App-V apps to the FlexApp format. The solution also offers a unique "Convert-to-Layer MSIX" feature that allows customers to convert MSIX apps to the FlexApp format. FlexApp directly leverages Blob storage, ensuring that your Azure-based AVD environment is easily and seamlessly managed in the cloud.

1 A ProfileUnity™ configuration identifies application assignments for each user through an AD group check.

2 ProfileUnity and FlexApp agents installed on the AVD management instance.

3 ProfileUnity delivers per user FlexApp assignments back to the AVD service at Boot, Login or "Click-to-Layer."

4 The AVD service passes the FlexApp Layers to the web interface.

5 Both standard AVD Applications and FlexApp Layers are presented to users after Login.

Key FlexApp Features to Enhance Microsoft AVD and Windows 365 Environments

Universal App Delivery
FlexApp enables administrators to dynamically attach virtually any Windows application as a layer, including MSI, EXE, MSIX, and App-V based applications.

Flexible Attach Points
For the upmost efficiency in logons, application response times, and user experience, application layers can be attached at times when most suitable for each environment. Layers can be attached at system boot, logon, specific triggers or on-demand with exclusive Click-to-Layer technology.

Click-to-Layer
Click-to-Layer allows instant delivery of FlexApp layers upon the application-open action by a user who clicks on the application's native icon on the Desktop or in the Start Menu. It is then instantly delivered via FlexApp and ready for use. The option improves desktop readiness times compared to other delivery options because applications are not mounted unless they are in use. Now, even dozens of layered applications can now be readily available in a user's Windows environment without needing to actually layer every available application that may not be used during a user's session. Click-to-Layer in a server environment offers an additional advantage. The first user to request an application will trigger the FlexApp packaging process. However, once this is completed in the server environment, the process does not need to be repeated for subsequent users.

Session Isolation
Session Isolation provides session-based layering for published applications running on Windows Multi-Session and Microsoft RemoteApp. This prevents all applications that are published on a server from being visible to all connected users, whether they need them or not. Now, when FlexApp applications are delivered to a user's published desktop, they will only be visible to authorized users.

FastPackaging
FastPackaging™ significantly reduces the time and effort to mount and deploy applications. An easy-to-use interface in the Packaging Console speeds this process up to 10x faster than other layering options. The Packaging Console automates VHD container creation, making this task as easy as the application installation itself. FlexApp applications can also be easily copied, updated, and edited with additional features. FlexApp also provides a number of ready-to-deploy Cloud Apps that require zero packaging.

PackageOnce
PackageOnce™ allows admins to layer applications only once but deliver it to any Windows desktop platform (physical, virtual, or cloud), any Windows OS, and to the Azure cloud.

Cached Mode Support
Cached Mode Support allows FlexApp packages to be configured to replay using a cached mode on user desktops to compensate for inconsistent network connections, SMB shares behind firewalls, and/or routers that have many hops. In cached mode, ProfileUnity will request blocks of the FlexApp package and store them locally so the next time the block is referenced, it is read from local storage.

Cloud Storage Compatibility
Cloud Storage Compatibility allows cloud storage to be specifically set up for ProfileUnity and FlexApp. Once this step is completed, a configuration wizard in the solution will allow admins to access and leverage their Azure Blob storage resources.

MSIX and App-V Convert-to-Layer
MSIX and App-V Convert-to-Layer features allow admins to convert App-V and MSIX apps to the FlexApp format, allowing the solution to take over the delivery of applications that do not run well on or are not compatible with either of these formats.

FlexApp One and Microsoft AVD & Windows 365

FlexApp One is an innovative self-contained package format that ensures that FlexApp packages can be directly deployed with Microsoft Intune or any other method. This is ideal for Microsoft AVD and Windows 365 workspaces:

Leverage Existing Expertise:
- Seamlessly deploy and manage FlexApp packages using your existing Intune methodology.
- Streamline administration, reduce training, and ensure consistency across all app deployments.

Enhanced Security and Compliance:
- Microsoft Entra ID security integrates with FlexApp One, bolstering your cloud workspace security.
- Control access, enforce compliance regulations, all within Microsoft tools.

Seamless User Experience:
- Instant application deployment and offline accessibility minimize disruptions and ensure productivity.
- Microsoft Intune and Entra ID's conditional access provides a secure and personalized environment for your users.

Please read the FlexApp Layering Whitepaper for more information.

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