liquidware™ **citrix™**

Mastering The Golden Image
Streamlined Application Management
with Liquidware FlexApp™ and Citrix®

The challenge of image sprawl is a daunting reality for enterprises today, therefore, the aspiration to achieve a streamlined and efficient Golden Image remains paramount. **Liquidware FlexApp**, in combination with **Citrix**, stands out as the unmatched solution.

Understanding the Traditional Challenges

- **Complex OS and App Updates:** The necessity to continually update host images within a specific farm for every OS or application update becomes a cumbersome and prolonged task, costing some entities hundreds of thousands of dollars annually.
- **Image and Version Sprawl:** As the influx of applications grows, the proliferation of OS images follows, leading to management complexities and confusion.
- **Security Vulnerabilities:** The complexities that delay updates can inadvertently expose systems to potential threats.
- **Onboarding Applications:** Onboarding applications is a persistent challenge for many organizations. The time to market can range extensively, sometimes spanning over a year, significantly hindering innovation and digital transformation for countless enterprises. This becomes especially significant for companies undergoing M&A or those aiming to enhance their agility.
- **Challenges with Traditional Updates:** Conventional image updates don't merely involve application installation; they also leave residual traces on the operating system. Terms like "background noise" and "artifacts" often refer to these remnants that can induce system instability, degrade performance, and contribute to system bloat. Additionally, reversing these traditional updates proves more formidable compared to the virtual enablement or disablement's agility.

Isolation Technologies in Application Management

- **Published Applications (Citrix):** Citrix's traditionally published applications are confined to servers, preventing interference with other applications. This method provides isolation, ensuring individual application management without cross-app disturbances.
- **Micro Isolation (Liquidware):** FlexApp champions micro-isolation by averting application file and registry version overlaps. This results in non-conflicting applications, culminating in a seamless user experience.
- **Session Isolation (Liquidware):** This feature ensures that only entitled users can view an application, guaranteeing a personalized application experience.
- **Full Isolation (Microsoft®):** For applications requiring full isolation, Liquidware seamlessly supports Microsoft's MSIX and App-V. This grants complete isolation, allowing multiple application loads without any operational conflicts.

Innovations Above All Others

- **Dynamic Application Attachment:** This revolutionary technique dissociates applications from the OS, enabling them during the first usage and disabling post-final usage, thereby conserving system resources.
- **FlexApp One:** A unique feature allowing users to take offline layered applications. This grants the flexibility to operate apps locally on devices, even in connectivity voids, while directing assignments via ProfileUnity™ or Microsoft Intune.
- **Cloud-Ready Integration:** FlexApp's versatility ensures a perfect blend with both on-site and cloud deployments (including object-based storages such as Blob and S3), bolstering Citrix Virtual Apps and Desktops.
- **ProfileUnity (optional):** Azure Blob and Amazon S3 offer Citrix users consistent experiences, capturing and preserving user profiles, application settings, and data, while also providing disaster recovery for third-party profile containers.
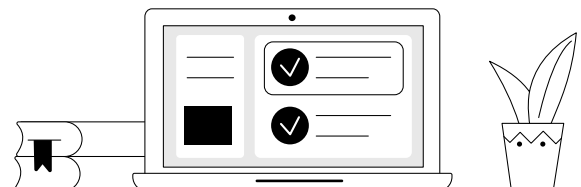
Delivering Accessibility, Exceptional Experience, and Optimizing Resources

FlexApp supports a wide range of storage options, like object-based storage and Azure files, ensuring fast application loading and an uninterrupted user experience. FlexApp allows users to regulate performance within the Citrix Virtual Apps and Desktops deployment by redirecting the IOPS workload to faster storage as needed, diminishing IOPS on the OS disk. Moreover, FlexApp's CTL **"Click to Layer"** feature ensures resource consumption only when essential. Applications activate on their first use and deactivate post-closure. This not only streamlines resource use but also limits the potential attack surface, strengthening the deployment's security profile.

Embracing Zero Trust Initiatives for Any App with FlexApp One

FlexApp One promotes a zero-trust framework, facilitating application access via **OAuth** — a modern security standard. This guarantees that deactivated accounts remain inaccessible during subsequent attempts, ensuring compliance even for applications that inherently don't support OAuth.

Effortless Integration into DevOps with Liquidware FlexApp Packaging Automation

Liquidware's **FlexApp Packaging Automation (FPA)** is at the forefront of revolutionizing application management. Designed for ease of use, FPA makes app packaging straightforward, even for those with minimal to no development experience. FPA's agility is evident in its capacity to be integrated effortlessly into any DevOps environment, whether through its user-friendly CLI or developer API.

Conclusion

By integrating Liquidware FlexApp with Citrix, enterprises are steered toward maximizing the potential of a Golden Image. This combination offers the unparalleled benefit of modernizing applications, leading towards fewer single images, and delivering an enhanced digital employee experience. The inherent advantages set this combination apart from other solutions that make similar claims.

Ready to experience the unparalleled benefits of Liquidware FlexApp?

Try It Now

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Liquidware is the leader in Digital Workspace Management solutions for Windows workspaces. The company's products encompass all facets of management to ensure the ultimate user experience across all workspaces – physical, virtual, DaaS or cloud. Enterprises across the globe utilize Liquidware solutions to dramatically decrease time spent managing workspaces, while delivering increased security, flexibility and scalability. Supported platforms include Microsoft physical, Microsoft Azure Virtual Desktop (AVD) and Office 365, Citrix, VMware, Amazon WorkSpaces, and Dizzion Frame.

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