

Microsoft App-V, VMware ThinApp, and Citrix App Layering are **common platforms for virtualizing applications**. App-V and ThinApp are application virtualization tools, while App Layering is an application layering solution. [1, 1, 2, 2]

#### **Application Virtualization: [2, 3, 4]**

- **Microsoft App-V:** Delivers applications in a virtualized container, allowing them to run without direct interaction with the underlying operating system or other applications. It uses System Center Configuration Manager for deployment and provides a management console for controlling user access to applications. [3, 3, 4, 4]
- **VMware ThinApp:** Creates portable, self-contained application packages that can run on different operating systems and devices. It eliminates application conflicts and reduces support costs by running applications without impacting the host operating system. [2, 5, 5, 6, 6, 7, 8, 9, 10]
- **Citrix XenApp:** Delivers applications to users through a virtual environment, enabling them to access applications from various devices. [2, 11, 11, 12, 13]
- **Azure Virtual Desktop:** Offers a flexible and secure solution for delivering virtual desktops and apps. It integrates with Microsoft 365 and Azure Active Directory for enhanced security and cost optimization. [14, 14]

#### **Application Layering:**

- **Citrix App Layering:** Enables the management of applications and operating systems independently, allowing for easier updates and deployments. It separates the OS, platform tools, and applications into different layers, making it easier to manage images and updates. [1, 1, 15, 15, 16, 16]
- **VMware App Volumes:** Provides real-time application delivery and management within virtual desktop environments. It is used for deploying AppStacks and offers strong compatibility and success rates. [17, 17, 18, 18]
- **Liquidware Labs FlexApp:** Another application layering solution for various virtual desktop environments, including Citrix and VMware. [19, 19, 20]
- **Unidesk:** A software development and deployment tool that also provides application layering capabilities. [1, 1, 19, 19, 21]
- **Cameyo:** A product that has evolved from an application virtualization solution to one that creates single portable applications, similar to ThinApp. [22, 22]