

rtoVirtual Profiles™



RTO Virtual Profiles™ is the only profile management solution that enables VDI users to maintain the same level of individual customization that they currently enjoy on their physical desktops today. With RTO Virtual Profiles, organizations are able to benefit from the cost advantages of centralized computing while supporting personalized desktop environments. RTO Software's Virtual Profiles solves the three main problems encountered with user profiles in VDI: profile integrity, system performance and user flexibility. RTO Virtual Profiles achieves all of these goals with unlimited scalability and without requiring a change in paradigms.

What is User Personality?

All of the documents that a user creates along with the configuration settings associated with a user are referred to as the user's personality. On physical desktop computers, the user's personality is maintained locally on the hard disk of the physical workstation in what is known as a "profile". The first attempts at VDI involved converting physical desktops to virtual desktops by moving the local desktop to a remote server in order to provide greater data security. In this attempt, the entire user's hard drive (along with their personality) became available to them. However, tremendous amounts of disk space are required to store individual virtual hard disks making this approach cost prohibitive. The second wave of VDI involved "pooled" virtual machines in which one image of the operating system (and user profile) was stored and shared among users. The standardized profile (also referred to as a "mandatory" profile), could not be customized easily. The current VDI approach stores the user's profile on a network drive and

"applies" the personality to the session during logon using a roaming profile. Roaming profiles are specific to individual users and allow them to be customized by the user. This enables each user to have a picture of the kids and the dog on their desktop and most closely resembles their physical desktop configuration. However, when using this approach, users and IT staff face challenges with profile integrity, system performance, and user flexibility. RTO Virtual Profiles overcomes the current challenges corporations face with roaming profiles and VDI today.

Inherent Problems with Roaming Profiles

When using roaming profiles, users can customize their session and save their settings. However, in a virtual environment there is no inherent mechanism to update user profiles across multiple sessions. Profiles become corrupted, data is deleted, and users become frustrated. RTO Virtual Profiles automatically synchronizes profile changes back to the profile server in real-time whenever a user makes changes during their session. These profile changes are synchronized with all other concurrent sessions that a user may need to have open so that profile corruption is eliminated. In addition, users will see improvements in logoff times because the user profile is updated in real-time rather than only at logoff time as seen in other profile management solutions. Plus, IT administrators no longer need spend time developing and maintaining logoff scripts to manage user profiles. With RTO Virtual Profiles your user data is virtually everywhere your users are; delivering a superior user experience.



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A Unique Approach

Currently, users are also faced with slow logon times as their entire user profile is downloaded at the beginning of each session. Slow logon times undermine the user productivity and can foster detrimental alternative behaviors. Users may respond to slow logons by leaving old sessions open rather than logging off. RTO Virtual Profiles significantly reduces user logon times by 60-98 percent. RTO Virtual Profiles uses a streaming approach which copies only the files accessed “just-in-time” during a session rather than all the files in their user profile every time they logon. This enhances user experience while reducing IT infrastructure costs by lowering network bandwidth consumption. This approach also encourages users to log off and re-logon as needed rather than maintaining inactive sessions resulting in reduced server resource requirements and improved server scalability.

Flexible

In pooled VDI implementations, users are typically denied local admin rights in the interest of maintaining application configuration integrity. RTO Virtual Profiles enables the “roaming” of local machine profile and registry settings restoring end user flexibility and portability of configuration data. RTO Virtual Profiles allows user settings to follow a user anywhere, anytime, to any desktop in the system. When a profile is virtualized there is no need to restrict the size, nor is

there a need to store certain folders (known as redirected folders) on a network drive. RTO Software has taken a keep-it-simple, migrate-and-go approach -- RTO Virtual Profiles requires little configuration. Virtual Profile’s painless installation process utilizes your existing profiles and walks you through a one-time configuration process. With Virtual Profiles, you can take a phased approach to virtualizing user profiles and data.

Conclusion

In order for VDI to become a success in the enterprise, organizations must be able to both meet the needs of its users and its business objectives. IT groups must reduce infrastructure costs associated with network bandwidth consumption, server resource demand, and user profile management while increasing data security. Users need fast and flexible access to their data while maintaining data integrity. RTO Virtual Profiles revolutionizes the way user data is managed in VDI and allows corporations to achieve their goals and meet the needs of their users. RTO Virtual Profiles is an invaluable application that completes the virtualization of user data in a VDI environment.