How to start OneDrive (and automatically sign-in) when using a RemoteApp in Windows Virtual Desktop (WVD)

Recently I had a use case where a customer uses Windows Virtual Desktop with RemoteApps, and files had to be opened and saved on the user’s OneDrive within these applications. Not a very exceptional situation if you ask me.

I know that with some GPO settings / registry keys you can configure silent sign-in and Files on-demand (recommended within environments like Windows Virtual Desktop). However, when configuring those settings, everything was working fine in a full published desktop, but not in a Windows Virtual Desktop RemoteApp.

When starting a RemoteApp, for example WordPad and open **File > Open**, OneDrive is visible on the left site, but no account is configured as shown in the screenshot below.

Graphical user interface, application

Description automatically generated

For applications such as Microsoft Word and Microsoft Excel, this is not a problem because OneDrive is built-in, but for all other non-Microsoft Office applications this is really a problem. I searched the internet on forums and found out that a lot of other people are facing the same problems, even within on-premises Citrix environments.

After some searching on the Microsoft and Citrix tech forums and testing I was able to solved the problem by applying the following registry keys via a GPO policy to the Windows Virtual Desktop environment;

For silent Account Config and Files On Demand:

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Microsoft\OneDrive]

"SilentAccountConfig"=dword:00000001

"FilesOnDemandEnabled"=dword:00000001

To trigger OneDrive in a RemoteApp:

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\RailRunonce]

"OneDrive"="C:\\Program Files (x86)\\Microsoft OneDrive\\OneDrive.exe /background"

“Magic” key to let it all work, even the first time a user logs in:

[HKEY\_CURRENT\_USER\Software\Microsoft\OneDrive]

"EnableADAL"=dword:00000002

After applying all the keys it worked fine, as shown in the screenshot below.

Graphical user interface, text, application, Word

Description automatically generated

Once again I did not found this solution myself, I found it (in parts) on the Microsoft Tech Community forum, so all kudo’s to [@Marcel Biebricher](https://techcommunity.microsoft.com/t5/user/viewprofilepage/user-id/210867) and [@racook](https://techcommunity.microsoft.com/t5/user/viewprofilepage/user-id/283720) for providing part of the solution #Community