

Sync and Share Software for the Just-in-Time Desktop

Customer Challenge:

Provide 'Sync and Share' capabilities for a modern non-persistent Virtual Desktop Infrastructure.

Environment:

Pre-production build-out of a "Just-in-Time" (JIT) desktop model for the customer using VMware's Horizon Enterprise EUC software.

Background:

Sync and Share software has become a valuable tool for users to work on and share personal files. For VDI, it has been problematic integrating into a linked-clone/non-persistent deployment. Obstacles include where to store user data and saving application settings. Many Sync and Share applications do not allow redirection to a network share. Sync and Share applications often utilize some form of local "lite" database that maintains the sync config with the cloud stored data.

Outcome:

Google Drive with sync, was successfully delivered in the JIT Real-Time model utilizing App Volumes and User Environment Manager (UEM).

Products Utilized:

- **VMware Horizon Enterprise 6.1**
 - VMware vSphere 5.5u3
 - VMware AppVolumes 2.10
 - VMware User Environment Manager (UEM) 8.7
- Google Drive 1.26.xxx (Sync and Share software)

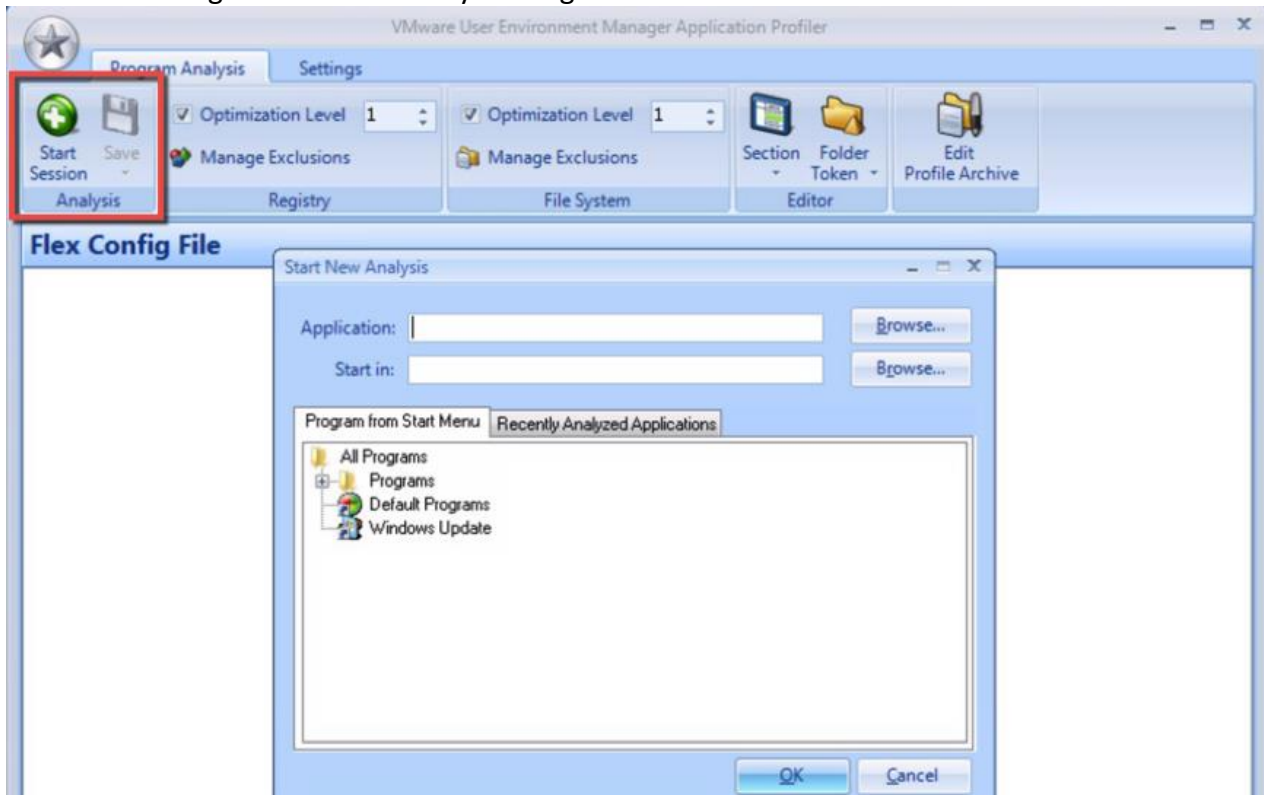
Process:

High-Level Description: Build out Writable Volumes (UIA + Profile) for user and utilize UEM to capture application settings for Sync and Share software

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1. From the App Volumes manager create a writeable volumes (UIA plus profiles template) and assign to a provisioning account user.
2. With your provisioning account user log into a UEM Application Profiler VM. (We usually deploy out a base VM for each specific OS you are profiling and installing apps on)
3. Launch UEM Application Profiler.
4. Download the Google Drive installer.
5. Launch Google Drive installer by clicking **Start Session**.



6. Configure the application and start the sync process by following the prompts to configure Google Drive.
 1. This step is important because the config is being analyzed by UEM.
7. Exit out of Google Drive.
8. **Save** this UEM config file to your UEM config share.
9. Open your UEM Management Console and click **Refresh Tree** to verify that the config files are loaded correctly.
10. Next, from the App Volumes Manager, mount a writable volume to a test user.
11. Next, Download and launch the Google Drive installer.
12. Configure the application settings as required.
 1. Start the sync process by following the prompts to configure Google Drive.
 2. This step is important because the config is being analyzed by UEM.
13. Configure the application and start the sync process by following the prompts to configure Google Drive.

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14. Present writeable volumes to multiple users, repeat steps 10-13 above, test Google Drive with sync config, rinse and repeat.
 1. Generally for UEM the users will need to start the google sync process at least once during their first login and then subsequent logins should persist their synced data.

Conclusion:

Sync and Share software enhances and extends business mobility by enabling familiar data workflows wherever they are on any device.

When designing this solution, take into consideration the total size of all users' synced data and writeable volume size before implementing. Sizing with growth in mind and consider the users' maximum allowed space in the sync and share product. We suggest manual folder sync selection when possible.

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About Computer Design & Integration (CDI LLC):

CDI LLC was founded in 1995, with corporate headquarters in Teterboro, NJ, as well as office locations in New York City, Philadelphia, Charlotte and Atlanta. The firm has been recognized as one of the nation's top 500 IT solution providers offering clients and businesses of all sizes the most up-to-date hybrid IT technology solutions that solve today's most complex business challenges. CDI LLC continually focuses on achieving client satisfaction by developing and implementing comprehensive and innovative technology solutions that enhance day-to-day business workflow processes. As one of the largest solution providers, CDI LLC combines the required experience, exceptional talent, quality assurance and stability that its clients strive to achieve.

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