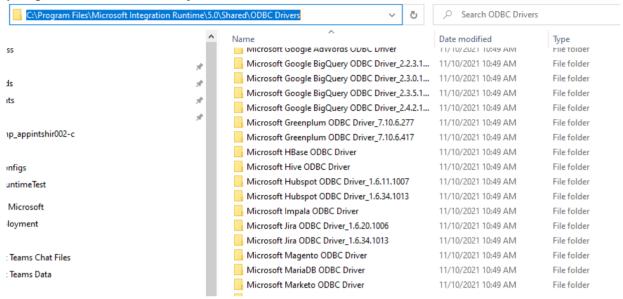# [SHIR] Oracle driver replacement

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:23 PM PST

NOTE: this TSG is only applicable when Progress has released a new patch driver containing the fix for a specific issue, and customer would like to verify the new driver and get quickly unblocked ahead of the official SHIR release. With that being said, we would still recommend customers to leverage the official SHIR product.

SHIR software is packaged with multiple ODBC drivers under "ODBC Drivers" folder. Below is the directory structure (**note that the actual driver versions packaged with each SHIR release may not match with the ones in the screenshot**),

in certain cases where there is need to prepare an SHIR private engineering build for the purpose of verifying the effectiveness of a specific ODBC patch driver which hasn't been integrated with the official SHIR release, we can follow below steps to perform manual driver dll replacements (Oracle ODBC driver for example),

Prerequisite: Find the default driver version in use.

5.17.8131.1 <= SHIR version < 5.19.8194.1 => default version is 8.0.2.2493

SHIR version > 5.19.8194.1 => default version is 8.0.2.2584

<Assuming the default driver version is 8.0.2.2493 for illustrating purpose>

1. RDP to the VM where self-hosted integration runtime is installed for the copy activity.
2. In "Microsoft Integration Runtime Configuration Manager" window, click "Stop Service".
3. Go to the folder of **the default driver**. Something like "C:\Program Files\Microsoft Integration Runtime\5.0\Shared\ODBC Drivers\Microsoft Oracle ODBC Driver_8.0.2.2493".
4. Rename the folder as "Microsoft Oracle ODBC Driver_8.0.2.2493.bak" just in case customer needs to switch back to this driver. (need to rename it back to "Microsoft Oracle ODBC Driver_8.0.2.2493")
5. Create a new folder named "Microsoft Oracle ODBC Driver_8.0.2.2493" under "ODBC Drivers" folder.
6. Create a new folder "lib" under "Microsoft Oracle ODBC Driver_8.0.2.2493".
7. Extract the driver zip file (or if the SHIR is already packaged with the target driver, go to the location of the driver and copy all the files under "lib" folder), and copy all the files to the "lib" folder created in the previous step excluding PDB files.
8. In "Microsoft Integration Runtime Configuration Manager" window, click "Start Service".