

Technical Documentation: UniFLOW MacOS Wrapper Script

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1. Overview

This document describes how to use and maintain the UniFLOW MacOS Wrapper Script. The script repackages the official Canon SmartClient installer (.pkg) from a supplied UniFLOW .ISO file together with the ``.tenantcfg.plist`` configuration file into a single .pkg installer. The resulting installer automatically deploys the configuration file to `~/Library/Preferences/NT-ware/uniFLOW/.tenantcfg.plist`` and runs the original Canon installer.

2. Prerequisites

- A Mac running macOS with Terminal access.
- The official UniFLOW SmartClient MacOS .ISO file downloaded from Canon.
- Basic knowledge of Terminal commands.
- Permissions to install software (Administrator privileges).

3. Script Location and Setup

The script should be stored on your Desktop as `make_uniflow_wrapper.sh``. Ensure it is executable by running:

```
chmod +x ~/Desktop/make_uniflow_wrapper.sh
```

You must update the script's `ISO_PATH`` variable to point to the correct location of your UniFLOW .ISO file. This is the most critical step for successful operation.

4. How to Find and Copy the ISO Path

- 1 Download the UniFLOW SmartClient MacOS .ISO file from Canon.
- 2 Locate it in Finder (usually in your Downloads folder).
- 3 Right-click the .ISO file and select 'Get Info'.
- 4 Look at the 'Where' field to see the folder path.
- 5 Combine the folder path with the filename. For example:
`~/Users/yourusername/Downloads/MacOS_UniflowSMRTclient_macos_2025.2.0.1.iso``
- 6 Replace the `ISO_PATH`` line in the script with this exact full path.

5. Running the Script

Once the ISO path is set correctly, run the script from Terminal:

```
./make_uniflow_wrapper.sh
```

The script will: 1. Mount the .ISO. 2. Copy ``.tenantcfg.plist`` and `SmartClientForMac.pkg``. 3. Detect the version from the Canon installer. 4. Create a single output installer named `UniFLOW_MacOS_.pkg`` on your Desktop. 5. Unmount the ISO when complete.

6. Installing the Output Package

Double-click the generated ``.pkg`` on your Desktop to install. Alternatively, install via Terminal for full logs:

```
sudo /usr/sbin/installer -pkg ~/Desktop/UniFLOW_MacOS_.pkg -target / -dumplog  
-verboseR
```

7. Maintenance and Updates

When Canon releases a new version of the UniFLOW SmartClient: - Download the new .ISO file. - Update the `ISO_PATH` in the script to the new file path. - Run the script again to generate a fresh combined installer.

8. Troubleshooting

- ****ERROR: Not found: /Volumes/SmartClientMac/.tenantcfg.plist**** – The ISO may not have mounted or has a different volume name. Check that `EXPECTED_VOLNAME` in the script matches the ISO's mounted volume name.
- ****ERROR: Copied file is empty**** – Ensure the ISO is not corrupted and re-download if necessary.
- ****Installer says unsigned package**** – This is expected for the configuration component. The Canon installer remains signed; macOS will still run it.
- If in doubt, run with `bash -x ./make_uniflow_wrapper.sh` to see detailed execution.