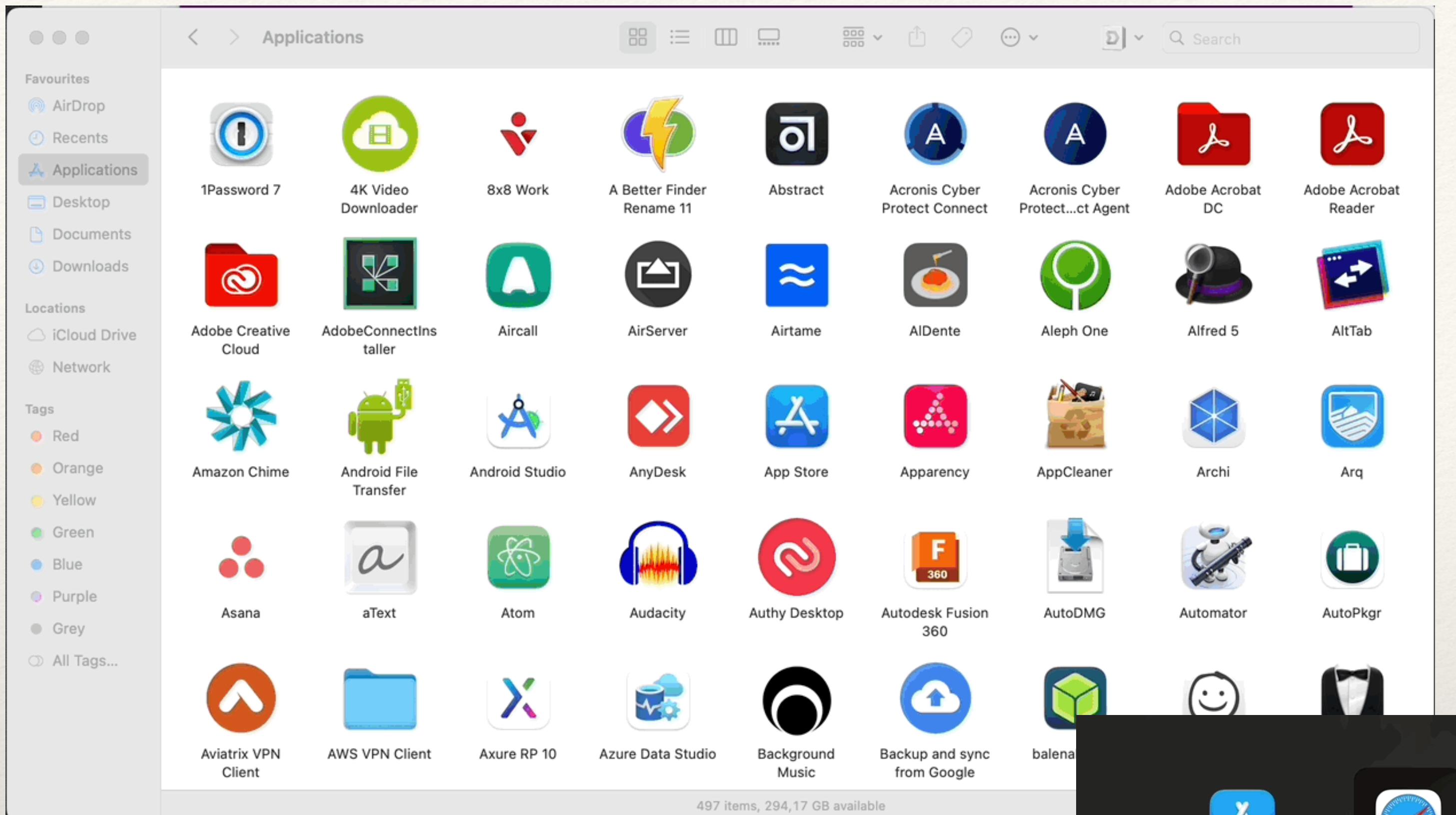
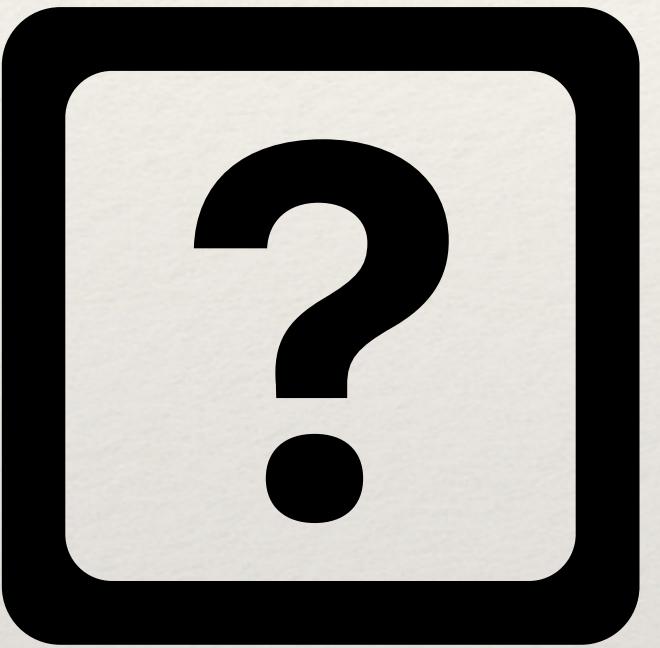


Uninstaller

Erik Stam - Pro Warehouse
Sander Schram - Secrid

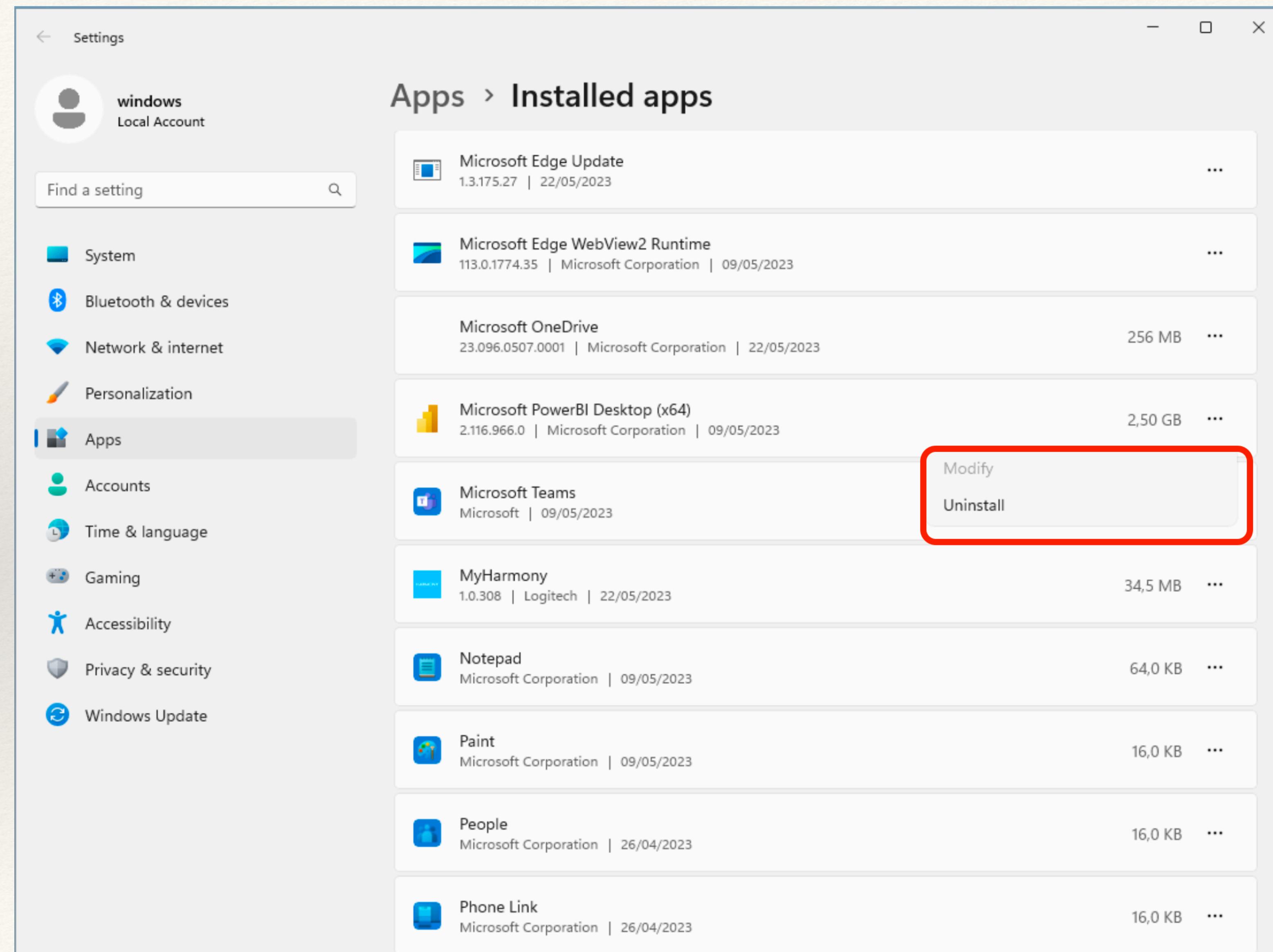


Why uninstall

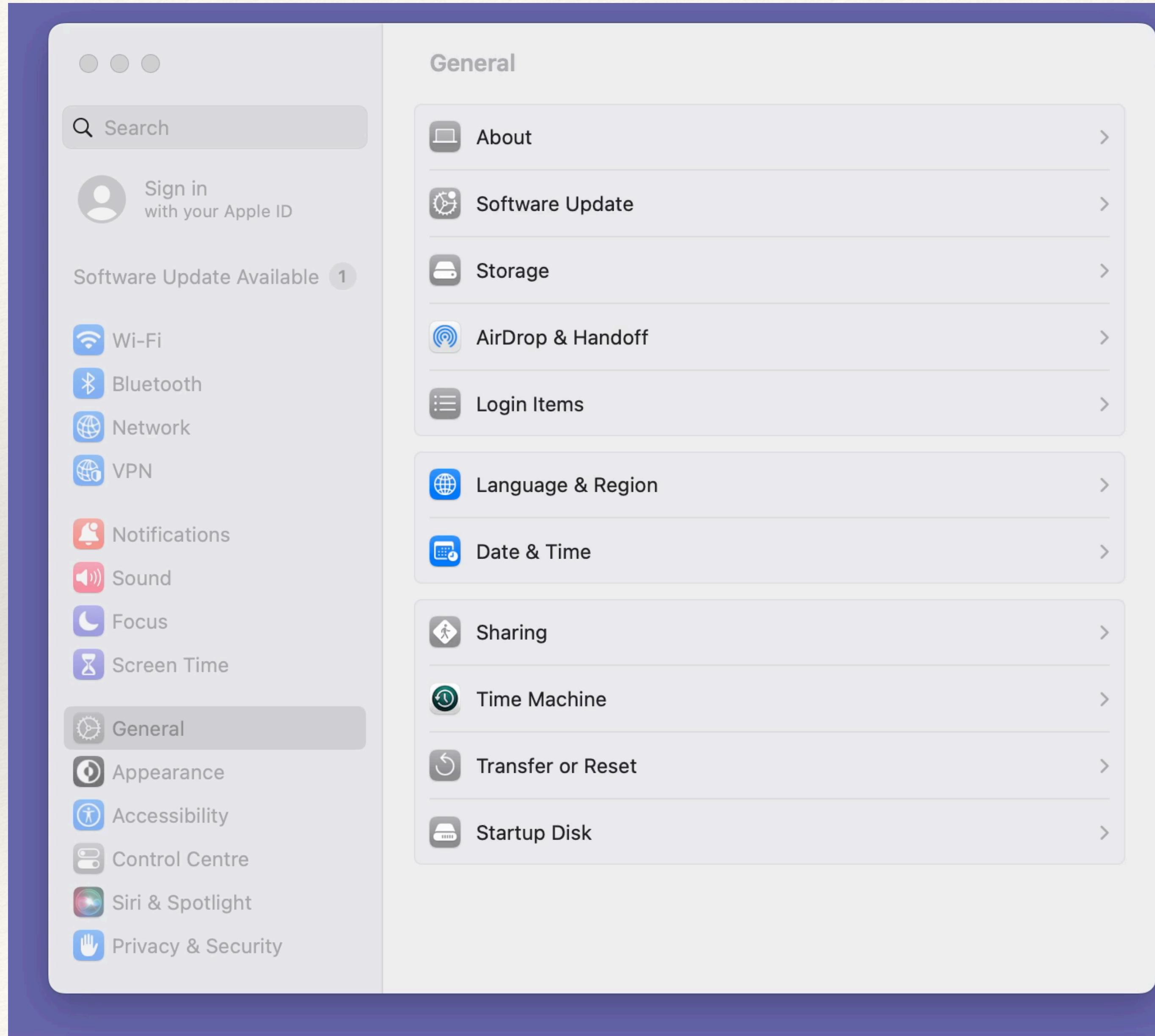


- Disk Space
- Troubleshooting
- App Update / Upgrade
- Housekeeping / Licenses

Windows Uninstall



macOS Uninstall !?



The Apple method

- 1) Switch to the Finder
- 2) Select the app
- 2) Drag the app to the Trash



App Specific



**Uninstall Citrix
Workspace**

/Library/Application Support/Citrix Receiver/Uninstall Citrix Workspace.app

Universal Options

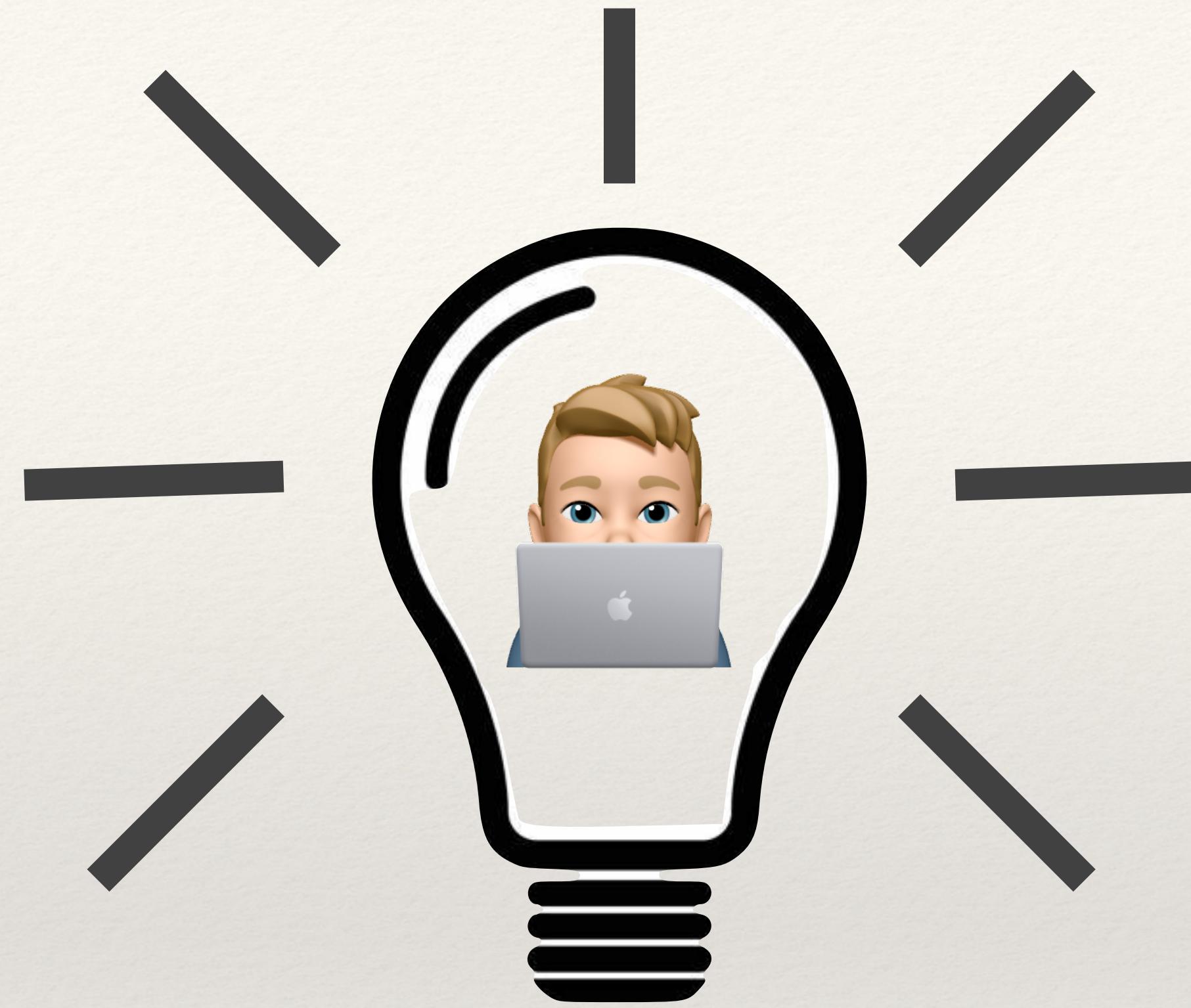


**reliable?
scriptable?
open source?**



<https://freemacsoft.net/appcleaner/>

<https://cleanmymac.com/>



1 script to remove them all
(inspired by Installomator)

./uninstaller.sh argument

./uninstaller.sh vlc

./uninstaller



Uninstalling completed!
VLC is uninstalled.

```
sander.schram@MBP - Sander Schram build % sudo ./uninstaller.sh vlc
2023-05-29 11:36:49 Uninstaller started - version 2022-12-27 (build: wo 10 mei 2023 13:59:01 CEST)
2023-05-29 11:36:49 VLC - Running preflightCommand
2023-05-29 11:36:49 Uninstalling VLC - LaunchDaemons
2023-05-29 11:36:49 Uninstalling VLC - LaunchAgents
2023-05-29 11:36:49 Checking for blocking processes...
2023-05-29 11:36:49 Found blocking process VLC
2023-05-29 11:36:49 Stopping process VLC
2023-05-29 11:36:52 Uninstalling VLC - Files and Directories
2023-05-29 11:36:52 Removing directory /Applications/VLC.app...
2023-05-29 11:36:52 Removing directory /Users/sander.schram/Library/Preferences/org.videolan.vlc...
2023-05-29 11:36:52 Removing file /Users/sander.schram/Library/Preferences/org.videolan.vlc.plist
2023-05-29 11:36:52 Removing directory /Users/sander.schram/Library/Application Support/org.videolan.vlc...
2023-05-29 11:36:52 Removing directory /Users/sander.schram/Library/Caches/org.videolan.vlc...
2023-05-29 11:36:52 Removing directory /Users/sander.schram/Library/HTTPStorages/org.videolan.vlc...
2023-05-29 11:36:52 Removing directory /Users/sander.schram/Library/Saved Application State/
org.videolan.vlc.savedState...
2023-05-29 11:36:52 Running VLC - postflightCommand
2023-05-29 11:36:52 Checking for receipt..
No receipt for 'org.videolan.vlc' found at '/'.
2023-05-29 11:36:53 Uninstaller Finished
```

Computers : Policies

← VLC - Uninstall

Options

Scope

Self Service

User Interaction



Scripts
1 Script



Printers
0 Printers



Disk Encryption
Not Configured



Dock Items
0 Dock Items



Local Accounts
0 Accounts



Management
Accounts
Not Configured

Scripts

uninstaller

Priority Priority to use for running the script in relation to other actions.

After ▾

Parameter Values

Values for script parameters. Parameters 1–3 are predefined as most common.

Parameter 4

vlc

Parameter 5

```

1 #!/bin/zsh
2
3 # uninstaller
4 # Removes software and related files
5 #
6 # https://github.com/erikstam/uninstaller
7
8 # set to 0 for production, 1 for debugging
9 # no actual uninstallation will be performed
10 DEBUG=0
11
12 # notify behavior
13 NOTIFY=success
14 # options:
15 # - success      notify the user on success
16 # - silent       no notifications
17 # - all          all notifications (great for Self Service installation)
18
19 # notification type
20 NOTIFICATIONTYPE=jamf
21 # options:
22 # - jamf         show notifications using the jamf Management Action binary
23 # - swiftdialog  show notifications using swiftdialog
24 # - applescript   show notifications using applescript
25
26 # Notification Sources
27 jamfManagementAction="/Library/Application Support/JAMF/bin/Management Action.app/Contents/MacOS/Management Action"
28 swiftDialog="/usr/local/bin/dialog"
29
30
31 # - appVersionKey: (optional)
32 # How we get version number from app. Default value
33 #   - CFBundleShortVersionString
34 # other values
35 #   - CFBundleVersion
36 appVersionKey="CFBundleShortVersionString"
37 AppBundleIdentifierKey="CFBundleIdentifier"
38
39 # MARK: Last Modification Date
40
41 # Last modification date
42 LAST_MOD_DATE="2022-12-27"
43 BUILD_DATE="Fri Jun 16 06:17:41 CEST 2023"
44
45 # MARK: Functions
46
47 printlog() {
48     timestamp=$(/bin/date +%F\ %T)
49
50     if [ "$(whoami)" = "root" ]; then
51         echo "$timestamp" "$1" | tee -a "$logLocation"
52     else
53         echo "$timestamp" "$1"
54     fi
55 }

```

- zsh script
- 1250+ lines
- 73 apps

label

```
vlc)
appTitle="VLC"
appProcess+=("VLC")
appFiles+=("/Applications/VLC.app")
appFiles+=("/Users/$loggedInUser/Library/Preferences/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/Preferences/org.videolan.vlc.plist")
appFiles+=("/Users/$loggedInUser/Library/Application Support/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/Caches/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/HTTPStorages/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/Saved Application State/org.videolan.vlc.savedState")
;;
```

appTitle

appTitle="Windscribe"

appProcesses

```
appProcesses+="SLLauncher")
```

appFiles

```
appFiles+=('/Applications/Windscribe.app')
```

```
appFiles+=('/Library/Logs/com.windscribe.helper.macos')
```

appFiles (loggedInUser)

```
appFiles+=('/Users/$loggedInUser/Library/Application  
Support/Windscribe')
```

appFiles (all Users)

```
appFiles+="<<Users>>/Library/Application Support/  
Windscribe")
```

appLaunchDaemons / appLaunchAgents

**appLaunchDaemons+=("/Library/LaunchDaemons/
com.windscribe.helper.macos.plist")**

**appLaunchAgents+=("/Users/\$loggedInUser/Library/
LaunchAgents/com.google.keystone.agent.plist")**

appReceipts

appReceipts+=("com.teamviewer.remoteaudiodriver")

preflightCommand / postflightCommand

```
preflightCommand+=('/usr/local/bin/authchanger -reset')
```

```
preflightCommand+=('/Library/Application Support/Citrix  
Receiver/Uninstall Citrix Workspace.app/Contents/MacOS/  
Uninstall Citrix Workspace')
```

```
postflightCommand+=("killall Finder")
```

label

```
vlc)
appTitle="VLC"
appProcess+=("VLC")
appFiles+=("/Applications/VLC.app")
appFiles+=("/Users/$loggedInUser/Library/Preferences/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/Preferences/org.videolan.vlc.plist")
appFiles+=("/Users/$loggedInUser/Library/Application Support/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/Caches/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/HTTPStorages/org.videolan.vlc")
appFiles+=("/Users/$loggedInUser/Library/Saved Application State/org.videolan.vlc.savedState")
;;
```

How to create a new label



Suspicious Package



Composer



**Please contribute
(new name?)**

<https://github.com/erikstam/uninstaller>

Thank you