



Fileset to block Apple Install macOS applications

Description

 As described, this only blocks macOS Installer Applications. Preventing users from using Software Updates can only be achieved with [Defer Apple OS Updates](#) and you should consider this because Software Update is capable of running the upgrade even with this solution in place.

Apple automatically installs the latest installer application on devices, allowing users to upgrade to the next major release of macOS. The following provides a method to prevent users from running the application, ensuring administrators have the required time to prepare the business.

 The provided Fileset includes an unaltered version of the Open Source Software [Pashua](#), which is licensed under the [3-Clause BSD License](#).


Information

The attached Fileset prompts users with a message, including alternate languages. There is also allowance for control over which versions of macOS Installers are blocked. The only requirements are the following Filesets:

- [macOS - Block macOS Installer Pashua Daemon.fileset.zip](#)


If running macOS 13 or higher, this profile is also required.

- [Profile - Block Notifications](#)

 A requirement script is included to ensure the profile is installed first, before downloading and installing the blocker.

Optionally the following Custom Field may be used to monitor the quantity of times users attempt to upgrade devices:

[macOSAppInstallerBlockAttempts.customfields.zip](#)

 The above installs launchd services. Disassociation of the Fileset will unload these services as well as remove all files.

Directions

The Fileset is currently configured to block the 'Install macOS Ventura.app' and future versions of macOS Installer App; it would actually also stop the Beta. Version control is managed by the plist file in `usr > local > etc > block_macos_updates`:

```
com.filewave.blockmacosinstaller_user.plist
```

Contents of the file:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
<key>MinimumBlockedVersion</key>
<integer>18</integer>
</dict>
</plist>
```

Version of App to Block

Edit the file as required for the following:

- Key - MinimumBlockedVersion
- Value - Integer

Set to 19, which will block macOS Sonoma. This could be lowered to block earlier (or later versions when Apple release their next major release)

Example alternatives:

- 19 - Block Sonoma and above
- 18 - Block Ventura and above
- 17 - Block Monterey and above
- 15 - Block Catalina and above
- 14 - Block Mojave and above

⚠ The script defines a version to block (and versions above) in the case that no plist file is found. This is set to 15, since this should never be the case and is a capture to prevent unwanted updates in this unexpected instance.

Message Localisation

When the installed service blocks the App, a message is reported to the user. Examples have been provided for English and German.



The language is determined by the first two characters from the following command:

```
$ defaults read -g AppleLanguages | awk -F "\"" ' /\\"/ {print $2; exit}'  
en-GB
```

As such en-GB, en-US, en-AU, etc will all result in an English version.

Language template files are stored in the path:

```
/usr/local/etc/block_macos_updates/
```

English and German respectively:

- warning_en.txt
- warning_de.txt

Copy and edit the files appropriately for additional languages.

Example to add French

User has French language set:

```
$ defaults read -g AppleLanguages | awk -F "\"" ' /\\"/ {print $2; exit}'  
fr-FR
```

Based upon this, create a copy warning file (note the suffix '_fr'):

- warning_fr.txt

Edit '*.title' and default message 'txt1.default' appropriately:

```
# Set window title  
*.title = Installation bloquée  
  
# Introductory text  
txt.type = text  
txt.default = macOS Installer Application  
txt.height = 100  
txt.width = 310  
txt.x = 100  
txt.y = 120  
  
txt1.type = text  
txt1.default = Cette version de macOS n'est pas prête pour l'environnement de production. Veuillez contacter le  
service informatique si nécessaire.  
txt1.height = 100  
txt1.width = 310  
txt1.x = 100  
txt1.y = 50  
  
img.type = image  
img.x = 20  
img.y = 70  
img.maxwidth = 64  
img.path = /usr/local/etc/FileWave_Icon.png
```

⚠ Text content will impact the view. Consider changing height, x and y values if the view does not appear as intended.

✔ Upload and replace the 'img.path' as your own company logo for customisation.

Logging

The launchd scripts have additional logging which will be available in Apple's Console (Debug level Info). For example:

Console

2 messages

All Messages

Errors and Faults

Save

Pause

Now

Activities

Clear

Reload

Info

Share

PROCESS

syslog

Type	Time	Process	Message
	13:08:16.495873+0100	syslog	FileWave: com.filewave.blockmacosinstall; App: /Applications/Install macOS Ventura.app [3141], App Bundle ID: com.apple.InstallAssistant.macOS
	13:08:16.912746+0100	syslog	FileWave: com.filewave.blockmacosinstall.notify; Informing user: sholden, with language en

syslog

Subsystem: -- Category: <Missing Description> Details

2023-09-26 13:00:16.495073+0100

FileWave: com.filewave.blockmacosinstall; App: /Applications/Install macOS Ventura.app [3141], App Bundle ID: com.apple.InstallAssistant.macOSVentura. Configured to kill macOS installer 18 or higher. Killing version: 18. Notifying user

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