



How to Set the Default Application Program
Using Self Service





Requirements

1. Jamf Pro Server. Version 10.14 Cloud hosted server was used for this guide.
2. Composer. Version 10.14 was used for this guide.
3. macOS Mojave - Version 10.14.6 was used for this guide.
4. Swift Default Apps - Version 2 was used for this guide.
5. Default Email Application script.

NOTE: This guide focuses on setting the default email application however, the Swift Default Apps binary can be used on any application. Learn more about Swift Default Apps at the GitHub link below.

Swift Default Apps can be downloaded at the link below:

<https://github.com/Lord-Kamina/SwiftDefaultApps/releases>

Jamf Composer can be downloaded using a Jamf Nation account tied to assets.

<https://www.jamf.com/jamf-nation/>

Default Email Application Script.

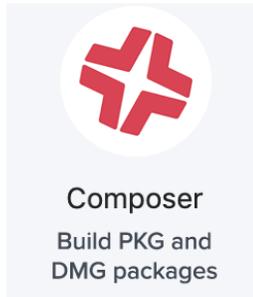
<https://hcsonline.com/files/defaultEmailApp.sh.zip>



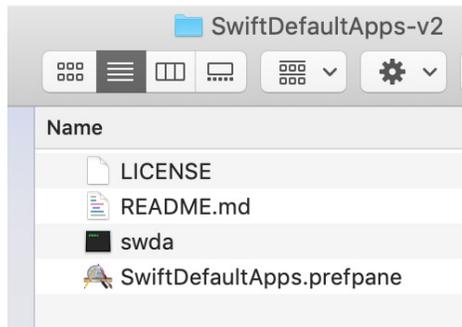
Section 1: Software Installation

In this section we will install the applications that will be used in this guide.

1. Install Jamf Composer by dragging the application to your Application folder.



2. Download Swift Default Apps here: <https://github.com/Lord-Kamina/SwiftDefaultApps/releases>
Move it from the Downloads folder to your Desktop. Confirm the following items are in the folder.

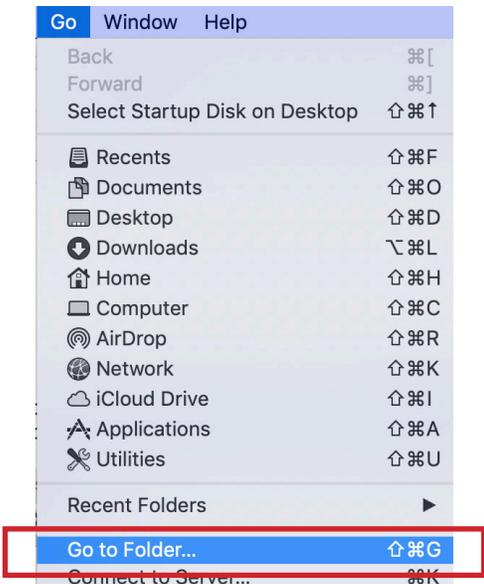


3. Download the defaultEmailApp.sh located here: <https://hconline.com/files/defaultEmailApp.sh.zip>.
Move it from the Downloads folder to your Desktop.

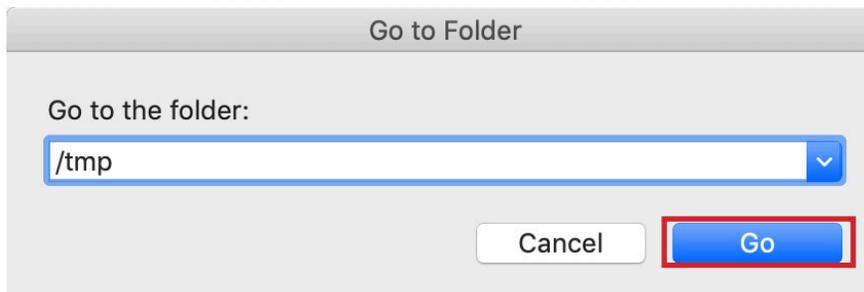




4. From the Go menu, select Go to Folder.

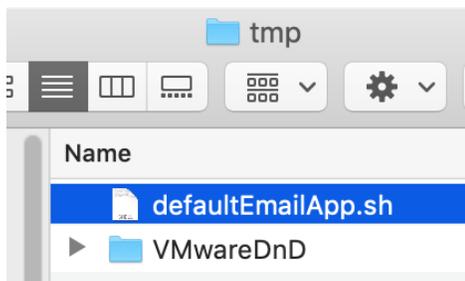


5. Enter /tmp, then select Go.



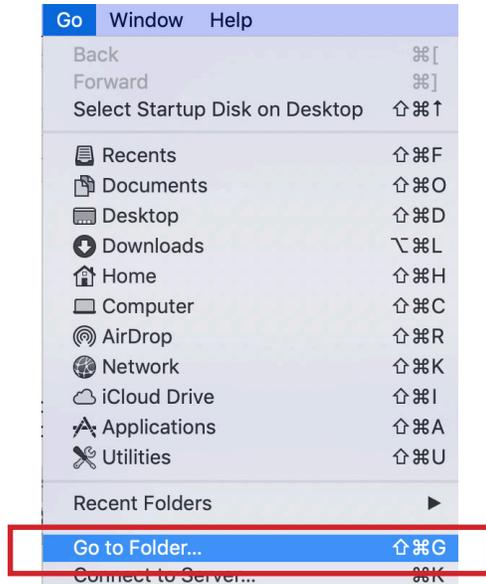
6. Move the defaultEmailApp.sh file from your Desktop to the /tmp folder. Leave the /tmp window open. We will need it in a future step.

NOTE: This script contains jamf helper and swift default app commands. Feel free to have a look at the contents to get familiar with swift default app commands.

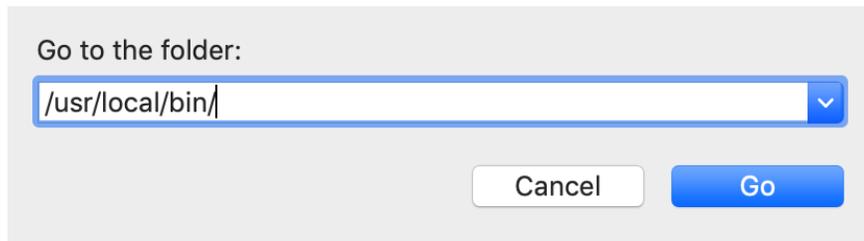




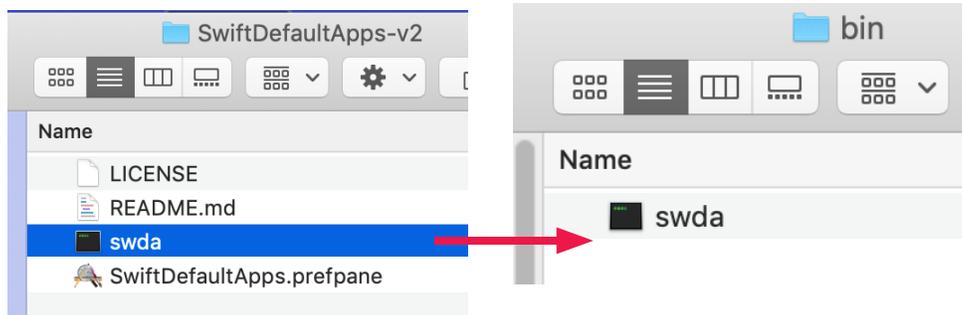
7. From the Go Menu, select Go to Folder.



8. Enter /usr/local/bin. Click Go.



9. Open the SwiftDefaultApps-v2 folder on your Desktop and drag the swda file to the /bin folder. Leave the /bin window open. We will need it in a future step.

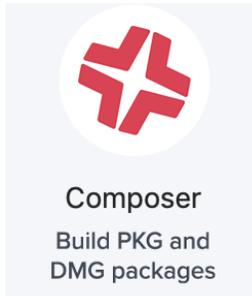




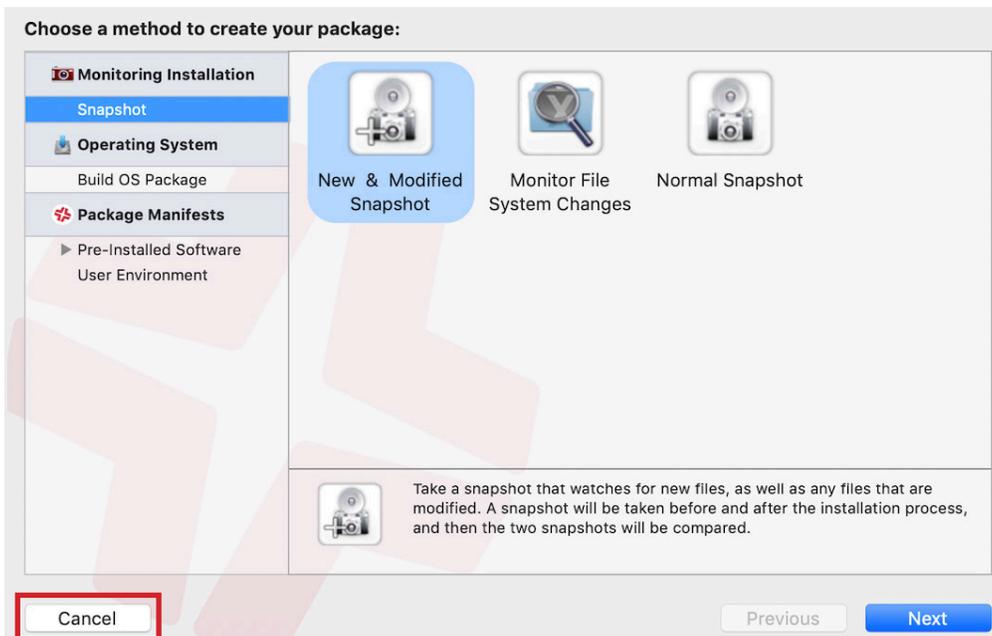
Section 2: Package Creation

In this section we will create a custom installation package that will install the Default Swift Apps command line binary and a script that will be stored in ~/Library/Scripts. These items are required so the script can be ran as the current logged in user.

1. Open Composer and enter your admin password when prompted.



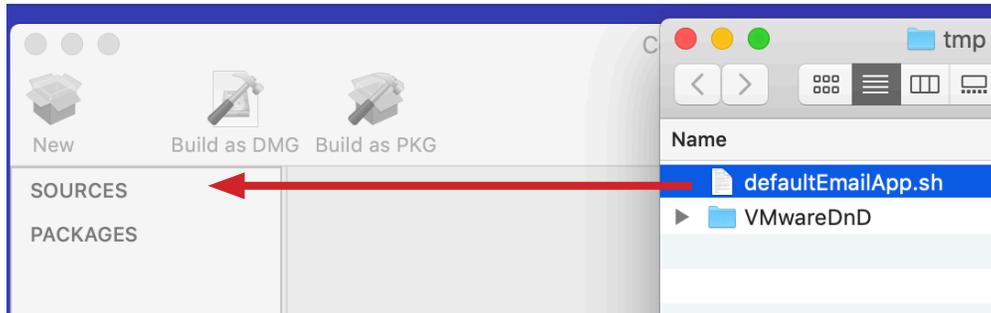
2. Select Cancel at the screen below.



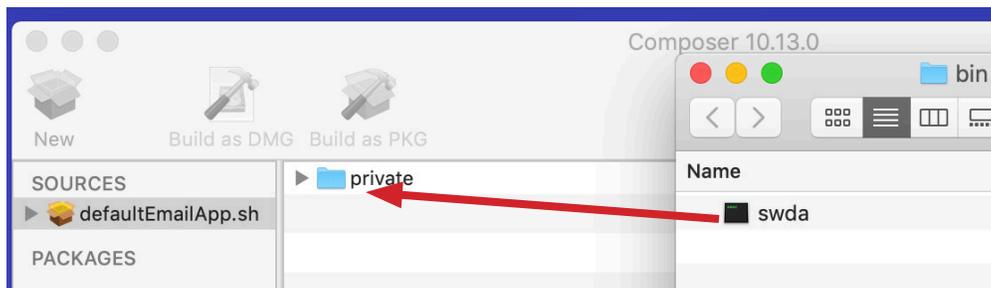
How to Set the Default Application Program Using Self Service



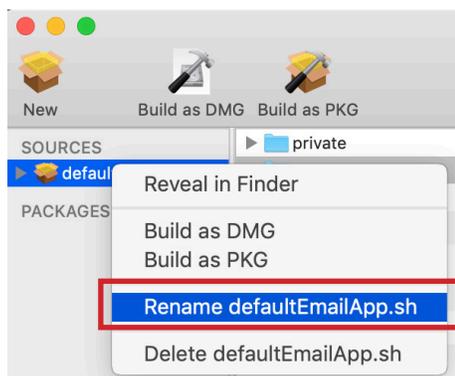
3. Drag the defaultEmailApp.sh file from the /tmp folder to the SOURCES section in Composer.



4. Drag the swda file from the /bin folder and drop it UNDERNEATH the private folder in Composer.



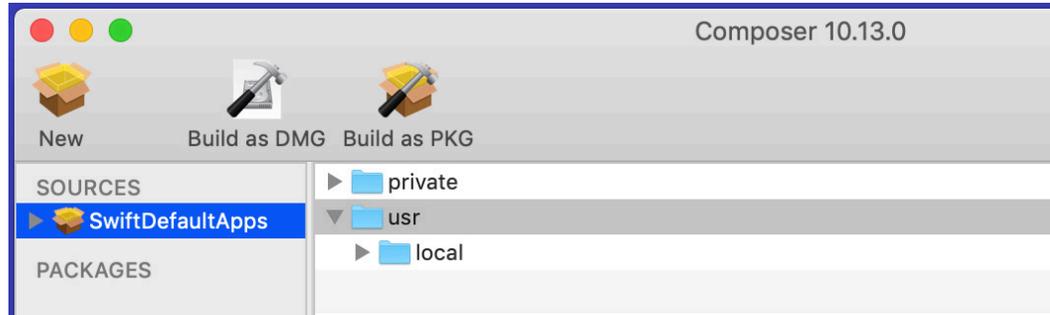
5. Select defaultEmailApp.sh package file under SOURCES and secondary click it. Select Rename defaultEmailApp.sh.



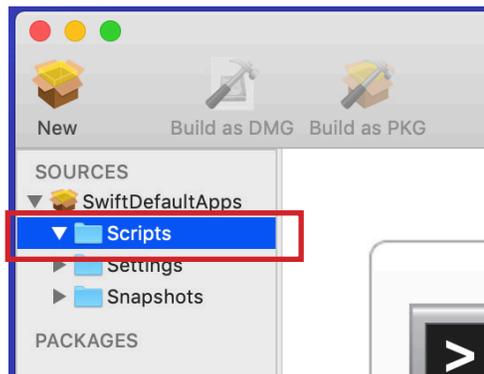
How to Set the Default Application Program Using Self Service



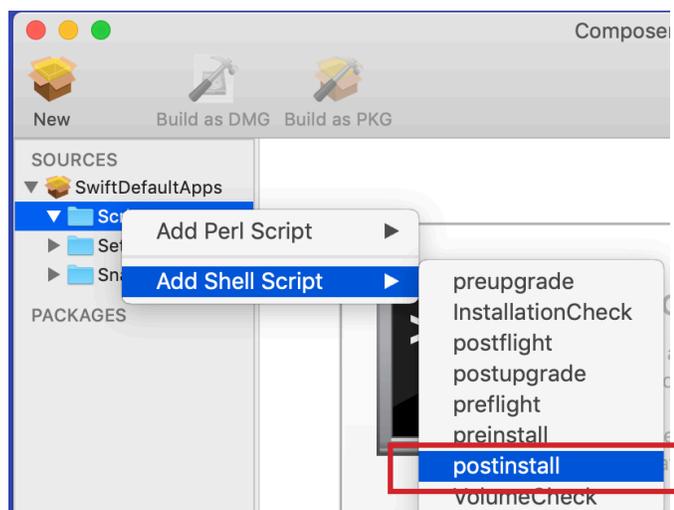
6. Rename it to SwiftDefaultApps. If you did steps 3-6 correctly, you should see the same as the screen shot below.



7. Click the arrow next to SwiftDefaultApps to reveal more options. Select Scripts.



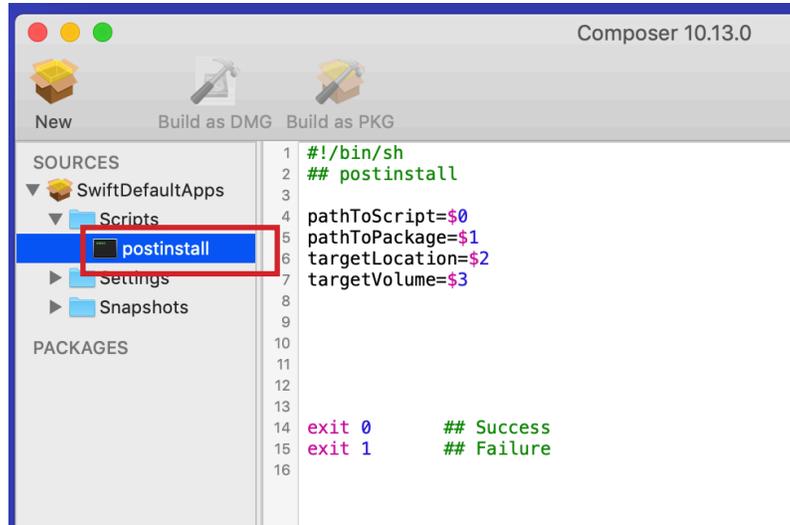
8. Secondary click on the Scripts folder, then select Add Shell Script, then postinstall.



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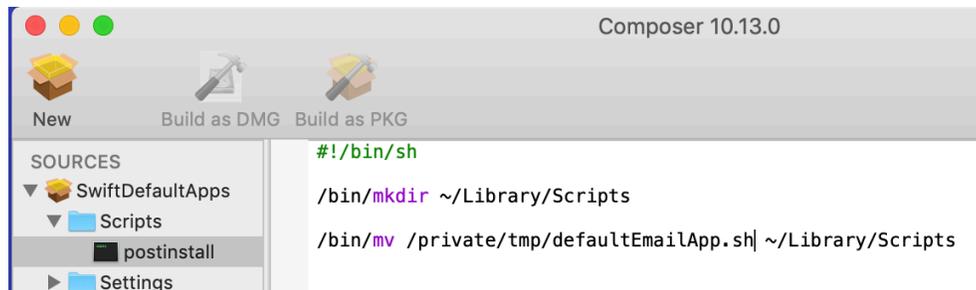
9. Select the postinstall script on the left, then remove all data on the right side.



10. Add the following data to the right side of the post install script. Select File, then Save when done.

NOTE: This script will create a folder in the users Library folder named Scripts then move the defaultEmailApp.sh script from /tmp to the users Library/Scripts folder.

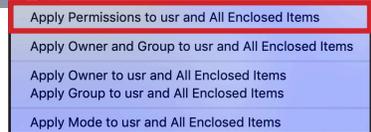
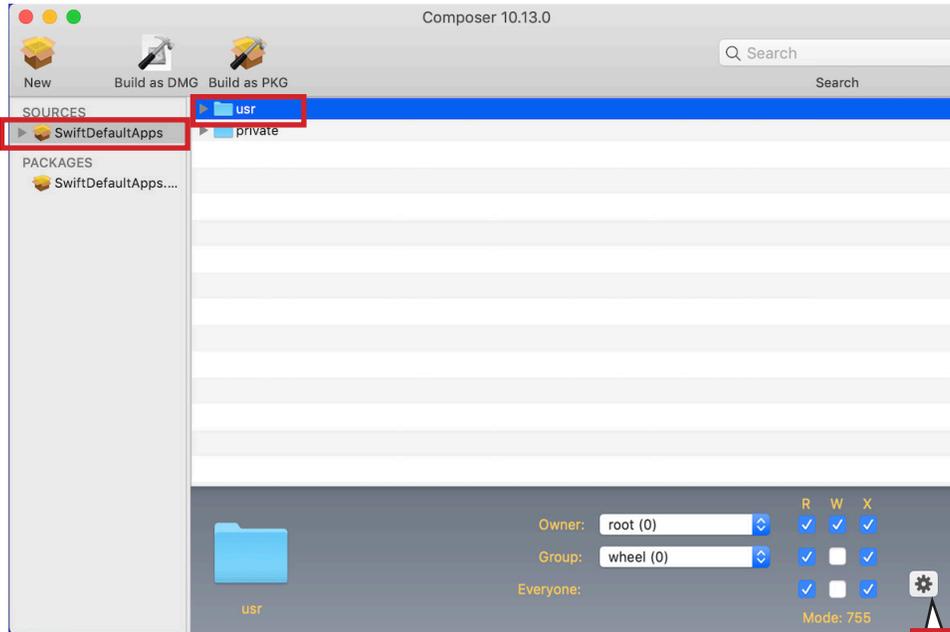
```
#!/bin/sh
/bin/mkdir ~/Library/Scripts
/bin/mv /private/tmp/defaultEmailApp.sh ~/Library/Scripts
```



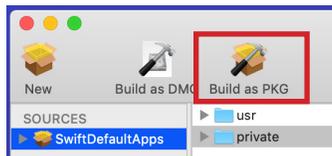
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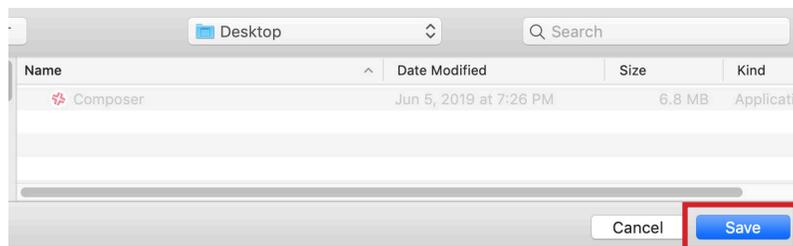
11. Select the SwiftDefaultApps package, then select the usr folder. Select the gear icon on the bottom right and select Apply Permissions to usr and All Enclosed Items. Do the same for the private folder.



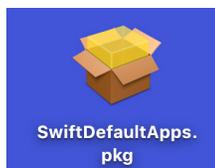
12. Click the Build as PKG icon.



13. Save the package to your Desktop. Select Save



14. The package was successfully created. Upload the package to your Jamf Pro server using Jamf Admin or from the web interface if using a cloud hosted Jamf Pro Server.

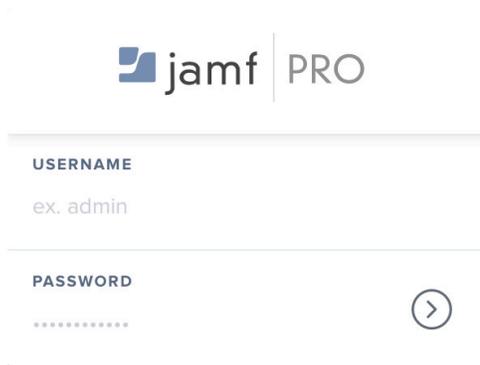




Section 3: Jamf Pro Script Creation

In this section we will create a script that will be used in a policy to set the default Email Application. This script will run as the current logged in user which is required for setting default applications.

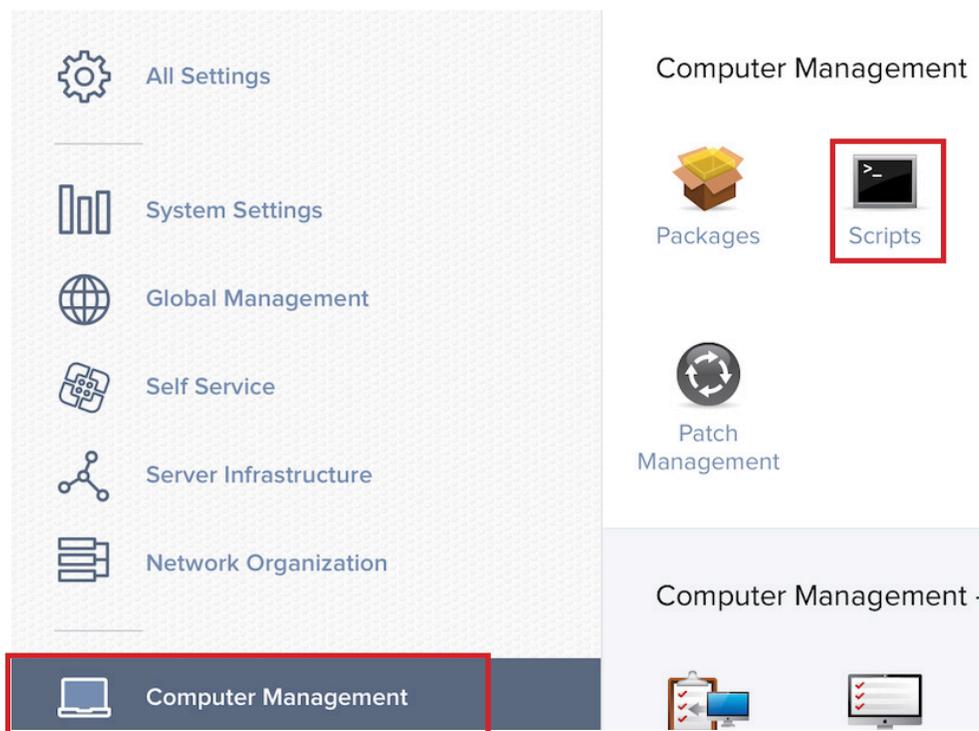
1. Log in to the Jamf Pro Server.



2. Click the Gear icon in the upper right corner.

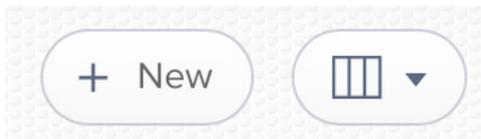


3. Select Computer Management, then select Scripts.





4. Select New.



5. Enter the following information:

- A. Display Name: Set Default Email Application
- B. Category: Scripts

General Script Options Limitations

DISPLAY NAME Display name for the script
Set Default Email Application **A**

CATEGORY Category to add the script to
Scripts **B**

6. Paste in the following script. This script will get the current logged in user and run the script as that user.

```
#!/bin/bash

loggedInUser=$(/usr/bin/python -c 'from SystemConfiguration import
SCDynamicStoreCopyConsoleUser; import sys; username = (SCDynamicStoreCopyCons
oleUser(None, None, None) or [None])[0]; username = [username,""][username in
[u"loginwindow", None, u""]]; sys.stdout.write(username + "\n");')

sudo -u $loggedInUser "/Users/$loggedInUser/Library/Scripts/defaultEmailApp.sh"
```

General Script Options Limitations

SCRIPT CONTENTS

Default Mode ▼ Default Theme ▼

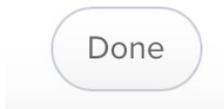
```
1 #!/bin/bash
2
3
4
5 loggedInUser=$(/usr/bin/python -c 'from SystemConfiguration import SCDynamicStore
6
7 sudo -u $loggedInUser "/Users/$loggedInUser/Library/Scripts/defaultEmailApp.sh"
```



7. Click Save.



8. Click Done.

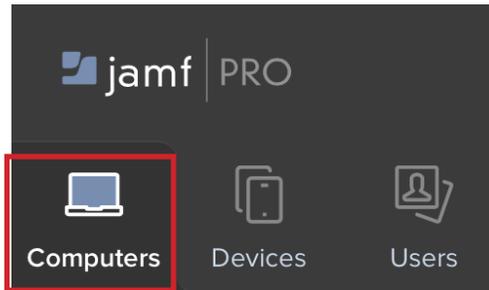




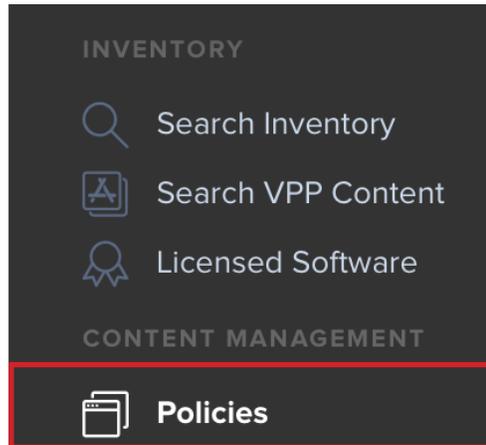
Section 4: Jamf Pro Policy Creation

In this section we will create the required policies to install the SwiftDefaultApps.pkg and a policy to run the defaultEmailApp.sh which will ask a user to select their default email application.

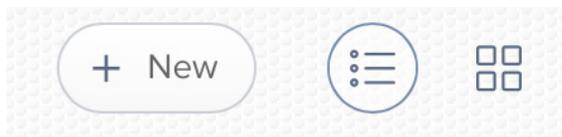
1. Click the Computers button.



2. Select Policies.



3. Select New.



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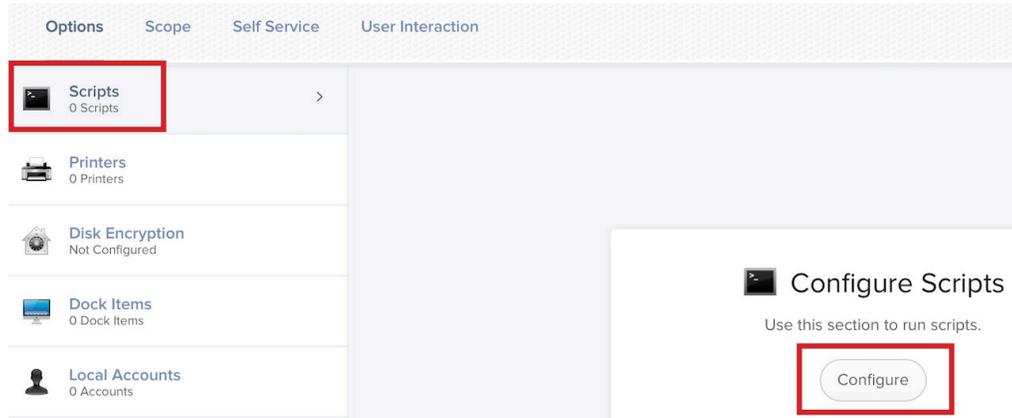
4. In the General section, Configure the following: (Screen shot edited to fit this guide)
- A. Name: Set Default Email Application
 - B. Category: Scripts (This assumes you have that category created)
 - C. Execution Frequency: Ongoing

The screenshot shows the 'Self Service' tab of a configuration page. On the left is a navigation pane with categories: General, Packages (0 Packages), Software Updates (Not Configured), Scripts (1 Script), Printers (0 Printers), Disk Encryption (Not Configured), Dock Items (0 Dock Items), and Local Accounts (0 Accounts). The 'Scripts' category is selected. The main area shows the 'General' section with the following settings:

- DISPLAY NAME:** Set Default Email Application (indicated by a red line and 'A')
- Enabled:** Checked (blue checkmark)
- SITE:** None (dropdown menu)
- CATEGORY:** Scripts (dropdown menu, indicated by a red line and 'B')
- Trigger:** Event(s) to use to initiate the policy. Options include Startup, Login, Logout, and Custom (all unchecked).
- EXECUTION FREQUENCY:** Ongoing (dropdown menu, indicated by a red line and 'C')



5. Select Scripts on the left, then select the Configure button on the right.



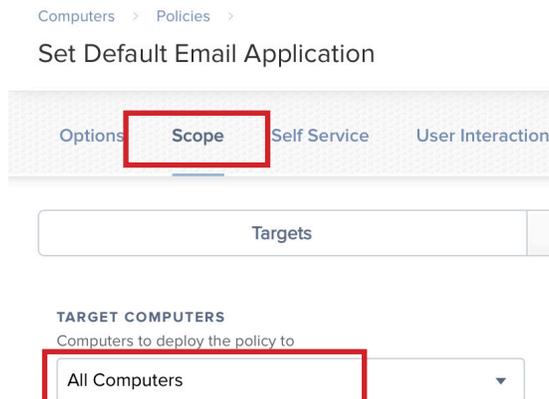
6. Locate the Set Default Email Application script, then select the Add button.

Set Default Email Application

Quick Scripts



7. Select Scope, then set Target Computers to All Computers.





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- 8. Select Self Service then configure the following:
 - A. Make the policy available in Self Service: Make sure this is checked
 - B. Self Service Display Name: Set Default Email Application
 - C. Button name before initiation: Run
 - D. Button name after ignition: Run Again
 - E. Description: This will allow you to set your preferred email application.
 - F. Ensure that user view the description: Make sure this is checked
 - G. Icon: Add one if you have one.

Options Scope **Self Service** User Interaction

Make the policy available in Self Service A

SELF SERVICE DISPLAY NAME Display name for the policy in Self Service (Self Service 10.0.0 or later)

Set Default Email Application B

BUTTON NAME BEFORE INITIATION Name for the button that users click to initiate the policy

Run C

BUTTON NAME AFTER INITIATION Name for the button that users click to reinstate the policy

Run Again D

DESCRIPTION Description to display for the policy in Self Service

This will allow you to set your preferred Email Application E

Ensure that users view the description F
Force users to view the description before the policy runs

Notification

Display notifications for the policy

 You must enable Self Service Notifications to display notifications
[Self Service Notifications settings](#)

ICON Icon to display for the policy. It is recommended that you use a file with the GIF or PNG format. The recommended size is 512x512 p


mail.png

Upload Icon G

Select Existing Icon

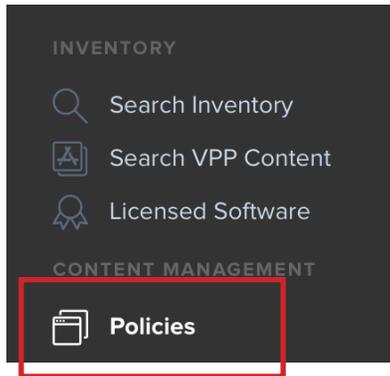
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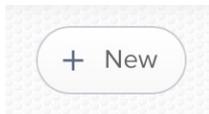
9. Click Save on the bottom right, then Done.



10. Create one more new policy that will install the SwiftDefaultApp.pkg. Select Policies.



11. Select New.



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12. In the General section, Configure the following: (Screen shot edited to fit this guide)

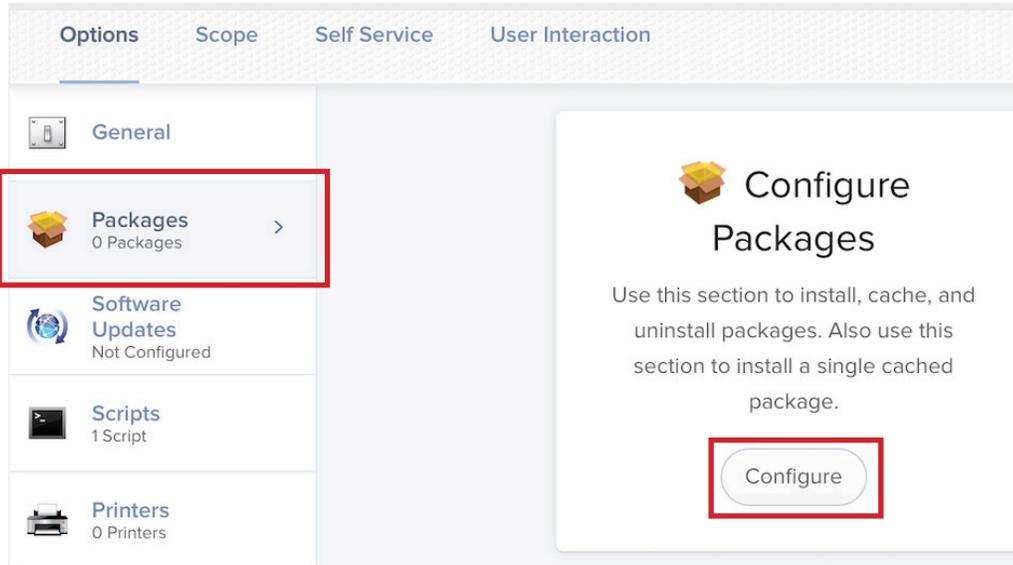
- A. Name: Install Swift Default App
- B. Category: Applications (This assumes you have that category created)
- C. Trigger: Recurring Check-in
- D. Execution Frequency: Once Per Computer

The screenshot shows the 'Self Service' tab in the Microsoft Intune console. The left-hand navigation pane lists various policy categories: General, Packages (0 Packages), Software Updates (Not Configured), Scripts (0 Scripts), Printers (0 Printers), Disk Encryption (Not Configured), Dock Items (0 Dock Items), and Local Accounts (0 Accounts). The main area displays the configuration for a policy named 'Install Swift Default App'. The configuration is as follows:

- General**
 - DISPLAY NAME** (Display name for the policy): Install Swift Default App (labeled A)
 - Enabled**:
 - SITE** (Site to add the policy to): None
 - CATEGORY** (Category to add the policy to): Applications (labeled B)
- Trigger** (Event(s) to use to initiate the policy)
 - Startup (When a computer starts up. A startup s...)
 - Login (When a user logs in to a computer. A lo...)
 - Logout (When a user logs out of a computer. A l...)
 - Network State Change
 - Recurring Check-in** (At the recurring check-in frequency co... (labeled C))
 - Custom (At a custom event)
- EXECUTION FREQUENCY** (Frequency at wh...): Once per computer (labeled D)



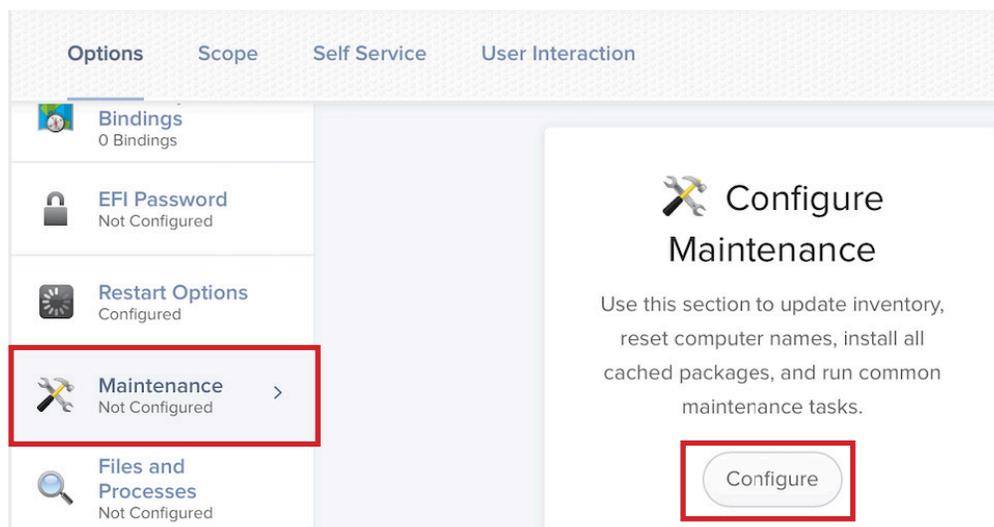
13. Select Packages on the left, then click the Configure button.



14. Locate SwiftDefaultApps.pkg, then click the Add button.



15. Select Maintenance, then select the configure button.





16. Make sure Update Inventory is selected.

Maintenance

Update Inventory
Force computers to submit updated inventory i

Reset Computer Names
Change the computer name on computers to n

Install Cached Packages
Install packages cached by Jamf Pro

17. Select Scope, then set Target Computers to All Computers.

NOTE: for this guide we are selecting All computers for simplicity. This can also be scoped to a smart group for all Mac computers that do not contain the DefaultSwiftApp application.

Options **Scope** Self Service

Targets

TARGET COMPUTERS
Computers to deploy the policy to

All Computers

18. Click Save.

Cancel **Save**

19. Click Done.

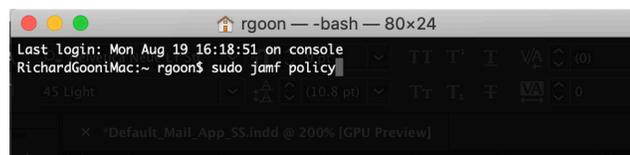
Done

20. Open Terminal located in /Applications/Utilities and run the command below to force an immediate run of the newly created policies.

```
sudo jamf policy
```



Terminal.app





Section 5: Run the Policy from Self Service

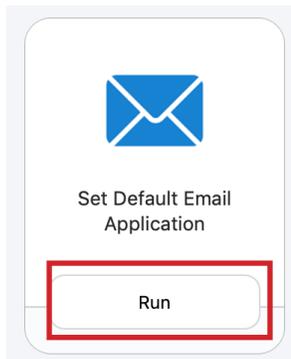
In this section we will test the policy to select the default email application. Please use a test Mac computer for this step to ensure everything is working properly before allowing all users access to this policy via self service.

1. Open Self Service located in /Applications.



Self Service

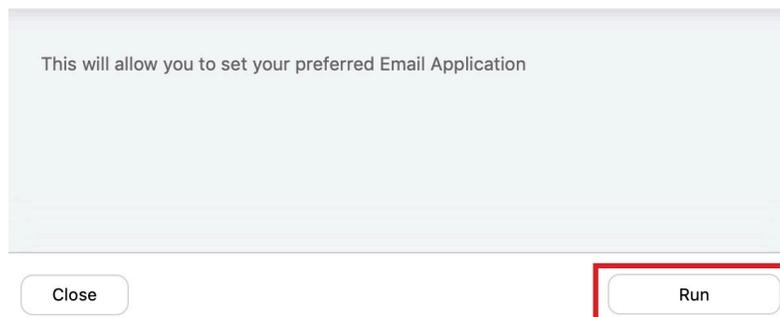
2. Select Run on the Set Default Email Application Button.



3. Read the description message, then select Run.



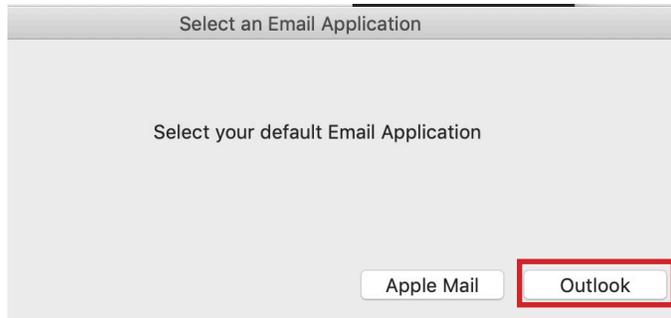
Set Default Email Application



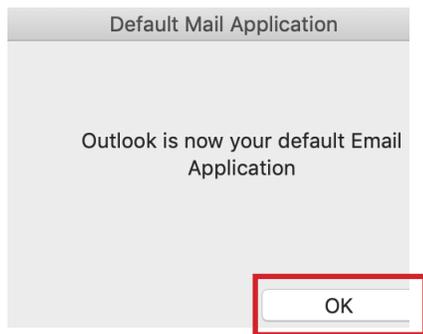
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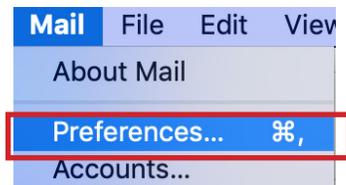
4. Choose the application that you want to use as your default email reader. For this guide, I will select Outlook.



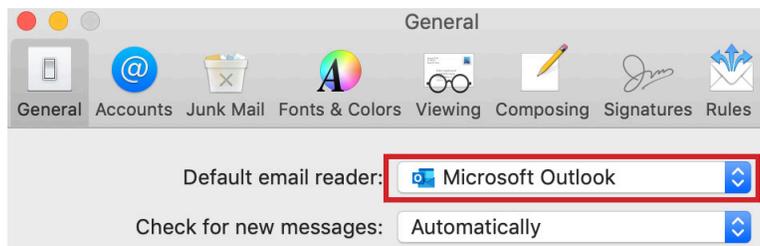
5. Click OK at the message below.



6. Verify that the default email handler was changed. Apple Mail was the default mail application before the change was made. Open Apple Mail, select the Mail Menu, then Preferences.



7. Select the General tab, and notice the Default email reader was changed to Microsoft Outlook.



8. Quit Apple Mail. This completes the guide.