

# Creating Positive Update Experiences Using Nudge & Jamf

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# Getting Started Notes

- Assuming a knowledge of basic Jamf Pro concepts and scripting
- Nudge can be complicated, but this setup will try to minimize complexity. This setup won't work for everyone but can be a starting point

# Recipe For A Good Nudge




# Needs

- Configurations
- Nudge Suite & Launch Agent PKG
- Assets PKG
- Scoping Plan
- Update Plan
- Communications
- Patience

# Setting This Up



# Nudge Prompt Goal

?

<b>Required OS Version:</b>	<b>11.5.3</b>
Current OS Version:	11.5.2
Days Remaining To Update:	7
Deferred Count:	0

**Your device requires a security update**  
A friendly reminder from your local IT team


**Your device will restart during this update**  
Updates can take around 30 minutes to complete

**Important Notes**

A fully up-to-date device is required to ensure that IT can accurately protect your device.

If you do not update your device, you may lose access to some items necessary for your day-to-day tasks.

To begin the update, simply click on the Update Device button and follow the provided steps.




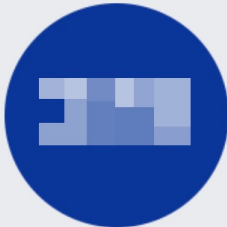
[Update Device](#)

[More Info](#)

[I understand](#)

# Nudge Prompt Goal






<b>Required OS Version:</b>	13.4.1
Current OS Version:	13.4
Days Remaining To Update:	-1
Deferred Count:	1

[More Info](#)

## Your device requires a security update

A friendly reminder from your  Tech team

**Your device will restart during this update**  
Updates can take around 30 minutes to complete

[Open System Update](#)


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### Important Notes

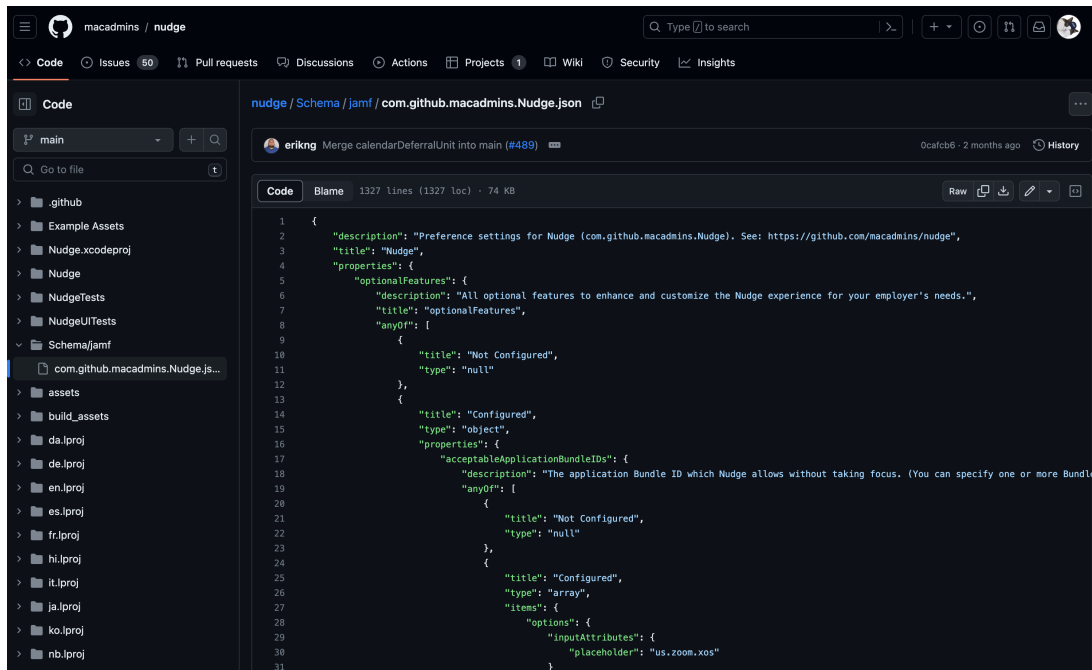
A fully up-to-date Mac is required to ensure your device is protected.

If you do not update your Mac within the deadline, you may lose access to some items necessary for your day-to-day tasks.

To begin the update, simply click on the Open Software Update button. That will take you to your Mac's update window, where you can start the update process.

Thank you for helping to keep  safe.

# Settings



The screenshot shows a GitHub repository for 'macadmins / nudge'. The file 'com.github.macadmins.Nudge.json' is selected in the left sidebar. The main area displays the JSON content of this file, which defines the schema for Nudge settings. The schema includes a description, title, and properties for optional features and application bundle IDs.

```
1 {
2   "description": "Preference settings for Nudge (com.github.macadmins.Nudge). See: https://github.com/macadmins/nudge",
3   "title": "Nudge",
4   "properties": {
5     "optionalFeatures": {
6       "description": "All optional features to enhance and customize the Nudge experience for your employer's needs.",
7       "title": "optionalFeatures",
8       "anyOf": [
9         {
10          "title": "Not Configured",
11          "type": "null"
12        },
13        {
14          "title": "Configured",
15          "type": "object",
16          "properties": {
17            "acceptableApplicationBundleIDs": {
18              "description": "The application Bundle ID which Nudge allows without taking focus. (You can specify one or more Bundle IDs)",
19              "anyOf": [
20                {
21                  "title": "Not Configured",
22                  "type": "null"
23                },
24                {
25                  "title": "Configured",
26                  "type": "array",
27                  "items": {
28                    "options": {
29                      "inputAttributes": {
30                        "placeholder": "us.zoom.xos"
31                      }
32                    }
33                  }
34                }
35              ]
36            }
37          }
38        }
39      ]
40    }
41  }
```

## - Jamf Custom Schema

<https://raw.githubusercontent.com/macadmins/nudge/main/Schema/jamf/com.github.macadmins.Nudge.json>



# Settings

Computers : Configuration Profiles

← Nudge Settings: Testing 13.4.1

OptionsScope

Search...

Application & Custom Settings  
Fix errors to continue.

Jamf Applications

External Applications

Upload

Approved Kernel Extensions  
Not configured

Associated Domains  
Not configured

Certificate  
Not configured

Certificate Transparency  
Not configured

Content Caching  
Not configured

Content Filter  
Not configured

Directory

External Applications

1 payload configured

Remove allAdd

com.github.macadmins.Nudge

Use this section to define settings for preference domains available in the repository.

Source

Source to use for the preference domain

Custom Schema

Preference Domain

The name of the preference domain (com.company.application)

com.github.macadmins.Nudge

Required

Custom Schema

Required JSON Schema to populate configurable properties in the Property List

+ Add schema

Schema is required

CancelSave

# Settings

### Custom JSON Schema

**Custom Schema** Required JSON Schema to populate configurable properties in the Property List

```
    },
    {
      "title": "Configured",
      "type": "string",
      "options": {
        "inputAttributes": {
          "placeholder": "A friendly reminder from your local IT team"
        }
      }
    }
  ]
}
```

Custom Schema

Field is required.

Upload

Clear

# Settings

Computers : Configuration Profiles

← Nudge Settings: Testing 13.4.1

Options

Scope

Search...

Application & Custom Settings

1 payload configured

Jamf Applications

External Applications

Upload

Approved Kernel Extensions

Not configured

Associated Domains

Not configured

Certificate

Not configured

Certificate Transparency

Not configured

Content Caching

Not configured

Content Filter

Not configured

Directory

Required

Custom Schema

Required JSON Schema to populate configurable properties in the Property List

Edit schema

Remove schema

Preference Domain Properties

Properties to configure for the preference domain

Form editor

Plist preview

Nudge

Preference settings for Nudge (com.github.macadmins.Nudge). See: <https://github.com/macadmins/nudge>

☒ Add/Remove properties

optionalFeatures

Not Configured

Configured

osversionrequirements

Not Configured

userExperience

Not Configured

userInterface

Not Configured

Cancel

Save

# Settings


## optionalFeatures

acceptable camera usage

acceptable screen sharing usage

attempt to block

enforce minor updates

 Add/Remove properties

acceptableCameraUsage

Configured

When enabled, Nudge will not activate or re-activate when the camera is on.

true

acceptableScreenSharingUsage

Configured

When enabled, Nudge will not activate or re-activate when screen sharing is active.

true

attemptToBlockApplicationLaunches

Configured

When enabled, Nudge will attempt to block application launches after the required installation date. This key must be used in conjunction with blockedApplicationBundleIDs (Note: This key is only used with Nudge v1.7 and higher)

true

blockedApplicationBundleIDs

Configured



The application Bundle ID which Nudge disallows from launching after the required installation date. (You can specify one or more Bundle ID.)

blockedApplicationBundleIDs 1

com.google.Chrome

Add blockedApplicationBundleIDs

enforceMinorUpdates

Configured

When enabled, Nudge will enforce minor updates. This should likely never be disabled.

true



# Settings

## optionalFeatures

**acceptable camera usage**

**acceptable screen sharing usage**

**attempt to block**

**enforce minor updates**

☒ Add/Remove properties

acceptableCameraUsage

Configured

When enabled, Nudge will not activate or re-activate when the camera is on.

true

acceptableScreenSharingUsage

Configured

When enabled, Nudge will not activate or re-activate when screen sharing is active.

true

attemptToBlockApplicationLaunches

Configured

When enabled, Nudge will attempt to block application launches after the required installat v1.17 and higher)

true

blockedApplicationBundleIDs

Configured

▼ The application Bundle ID which Nudge disallows from launching after the required ins

blockedApplicationBundleIDs 1

com.google.Chrome

Add blockedApplicationBundleIDs

Configured

When enabled, Nudge will enforce minor updates. This should likely never be disabled.

true

# Application Terminate Example



**Application terminated  
(Google Chrome)**

Please update your device to use this  
application

# Settings

## optionalFeatures

acceptable camera usage

acceptable screen sharing usage

attempt to block

**enforce minor updates**

☒ Add/Remove properties

acceptableCameraUsage

Configured

When enabled, Nudge will not activate or re-activate when the camera is on.

true

acceptableScreenSharingUsage

Configured

When enabled, Nudge will not activate or re-activate when screen sharing is active.

true

attemptToBlockApplicationLaunches

Configured

When enabled, Nudge will attempt to block application launches after the required installat v1.17 and higher)

true

blockedApplicationBundleIDs

Configured

▼ The application Bundle ID which Nudge disallows from launching after the required ins

blockedApplicationBundleIDs 1

com.google.Chrome

Add blockedApplicationBundleIDs

enforceMinorUpdates

Configured

When enabled, Nudge will enforce minor updates. This should likely never be disabled.

true

# Settings

## osVersionRequirements

about URL

required installation date (mandatory)

required minimum version (mandatory)

### osVersionRequirements

Configured ▼

The required components necessary to enforce an Operating System version through Nudge. Specify one array to enforce a single enforcement.

#### ▼ osVersionRequirement 1

☒ Add/Remove properties

##### aboutUpdateURL

Configured ▼

A single URL, enabling the More Info button URL path. While this accepts a string, it must be a valid URL (http://, https://) or it will be ignored.

<https://support.apple.com/en-us/HT211883>

##### requiredInstallationDate

Configured ▼

The required installation date for Nudge to enforce the required operating system version. You must follow a standard

2023-06-23T07:00:00Z

##### requiredMinimumOSVersion

Configured ▼

The required minimum operating system version. Note: When passing versions such as "11.2.0", it will be normalized to

13.4.1



# Settings

## osVersionRequirements

about URL

**required installation date (mandatory)**

required minimum version (mandatory)

### osVersionRequirements

Configured

The required components necessary to enforce an Operating System version through Nudge. Specify one array to enforce a single enforcement.

#### osVersionRequirement 1

☒ Add/Remove properties

##### aboutUpdateURL

Configured

A single URL, enabling the More Info button URL path. While this accepts a string, it must be a valid URL (http://, https://) or will be ignored.

<https://support.apple.com/en-us/HT211883>

##### requiredInstallationDate

Configured

The required installation date for Nudge to enforce. The required operating system version. You must follow a standard

2023-06-23T07:00:00Z

##### requiredMinimumOSVersion

Configured

The required minimum operating system version. Note: When passing versions such as "11.2.0", it will be normalized to

13.4.1

# Settings

You must follow a standard date string as below:  
*(remove the Z to follow the device local time)*

YYYY-MM-DDTHH:MM:SSZ

Example: 2021-09-15T00:00:00Z

## osVersionRequirements

Configured

The required components necessary to enforce an Operating System version through Nudge. Specify one array to enforce a single enforcement.

### osVersionRequirement 1

☒ Add/Remove properties

#### aboutUpdateURL

Configured

A single URL, enabling the More Info button URL path. While this accepts a string, it must be a valid URL (http://, https://) or it will be ignored.

https://support.apple.com/en-us/HT211

#### requiredInstallationDate

Configured

The required installation date for Nudge to enforce the required operating system version. You must follow a standard

2023-06-23T07:00:00Z

#### requiredMinimumOSVersion

Configured

The required minimum operating system version. Note: When passing versions such as "11.2.0", it will be normalized to

13.4.1

# Settings

userExperience

**allowUserQuitDefferals**

**allowedDeferrals**

**approachingWindowTime**

**imminentWindow**

**randomDelay**

allowUserQuitDeferrals

Configured



Allows the user to specify when they will next be prompted by Nudge. (Set to `False` to maintain v1.0.0 behavior.) specifying their own execution time for the next Nudge event.(See: [~/Library/Preferences/com.github.macadmins](#)

true



allowedDeferrals

Configured



The number of times a user can defer Nudge (change it from the currently active window) before the "aggressive

20

# Settings

## userExperience

**allowUserQuitDefferals**

**allowedDeferrals**

**approachingWindowTime**

**imminentWindow**

**randomDelay**

approachingWindowTime

Configured ▼

The amount of time in hours Nudge will use to determine that the `requiredInstallationDate` is "approaching".

48

imminentWindowTime

Configured ▼

The amount of time in hours Nudge will use to determine that the `requiredInstallationDate` is "imminent".

24

randomDelay

Configured ▼

Enables an initial delay Nudge before launching the UI. This is useful if you do not want your users to all receive !

true ▼

# Settings

userInterface

**iconDarkPath**

**iconLightPath**

**showDeferralCount**

updateElements

iconDarkPath

Configured

A path to a local jpg, png, icns that contains the icon for dark mode. This will replace the Apple icon on the left side of Nudge.

/Library/Application Support/JAMF/log

iconLightPath

Configured

A path to a local jpg, png, icns that contains the icon for light mode. This will replace the Apple icon on the left side of Nudge.

/Library/Application Support/JAMF/log

showDeferralCount


Configured

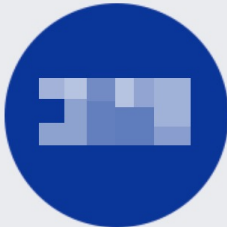
Enables or disables the deferral count of the current Nudge event.

true

Configured


# Nudge Prompt Goal





<b>Required OS Version:</b>	13.4.1
Current OS Version:	13.4
Days Remaining To Update:	-1
Deferred Count:	1

**Your device requires a security update**

A friendly reminder from your  Tech team

**Your device will restart during this update**

Updates can take around 30 minutes to complete


[Open System Update](#)

**Important Notes**

A fully up-to-date Mac is required to ensure your device is protected.

If you do not update your Mac within the deadline, you may lose access to some items necessary for your day-to-day tasks.

To begin the update, simply click on the Open Software Update button. That will take you to your Mac's update window, where you can start the update process.

Thank you for helping to keep  safe.

[More Info](#)

# Settings

updateElements

\_language

actionButtonText

mainContentText

subHeader

updateElements

Configured



The individual buttons and text elements that can be customized for your employer's needs. This includes per country localization.



updateElement - Dictionary

1

☒ Add/Remove properties

\_language

Configured

The targeted language locale for the user interface. Note: For a list of locales, please run the following command in Terminal: `/usr/bin`

en

actionButtonText

Configured

Modifies the actionButton, also known as the "Update Device" button.

Open System Update

mainContentText

Configured

Modifies the 'mainContentText'. This is the "A fully up-to-date device is required to ensure that IT can accurately protect your d

A fully up-to-date Mac is required to e

subHeader

Configured

Modifies the 'subHeader'. This is the "A friendly reminder from your local IT team" text.

A friendly reminder from your  Tec

# Settings

updateElements

**\_language (mandatory)**

actionButtonTest

mainContentText

subHeader

updateElements

Configured



The individual buttons and text elements that can be customized for your employer's needs. This includes per country localization.

updateElement - Dictionary



1

\_language

Configured

The targeted language locale for the user interface. Note: For a list of locales, please run the following command in Terminal: `/usr/bin`

en

Configured

Modifies the actionButton, also known as the "Update Device" button.

Open System Update

mainContentText

Configured

Modifies the 'mainContentText'. This is the "A fully up-to-date device is required to ensure that it can accurately protect your data".

A fully up-to-date Mac is required to ensure that it can accurately protect your data

subHeader

Configured

Modifies the 'subHeader'. This is the "A friendly reminder from your local IT team" text.

A friendly reminder from your local IT team



# Settings

updateElements

\_language (mandatory)

**actionButtonText**

**mainContentText**

**subHeader**

updateElements

Configured



The individual buttons and text elements that can be customized for your employer's needs. This includes per country localization.

updateElement - Dictionary



1

☒ Add/Remove properties

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Configured

The targeted language locale for the user interface. Note: For a list of locales, please run the following command in Terminal: /usr/bi

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Configured

Modifies the actionButton, also known as the "Update Device" button.

Open System Update

mainContentText

Configured


Modifies the 'mainContentText'. This is the "A fully up-to-date device is required to ensure that IT can your accurately protect your

A fully up-to-date Mac is required to e


subHeader

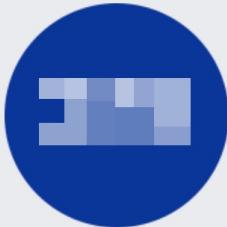
Configured

Modifies the 'subHeader'. This is the "A friendly reminder from your local IT team" text.

A friendly reminder from your  Tec


# Nudge Prompt Goal





<b>Required OS Version:</b>	13.4.1
Current OS Version:	13.4
Days Remaining To Update:	-1
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**Important Notes**

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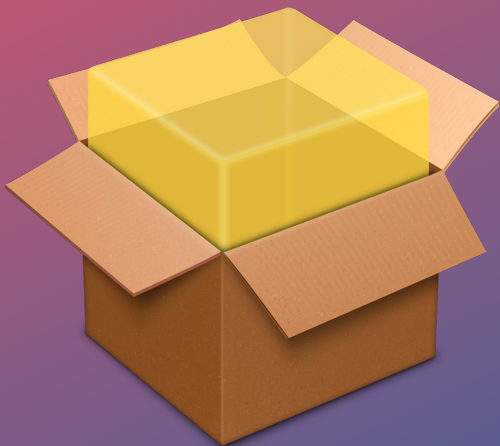
If you do not update your Mac within the deadline, you may lose access to some items necessary for your day-to-day tasks.

To begin the update, simply click on the Open Software Update button. That will take you to your Mac's update window, where you can start the update process.

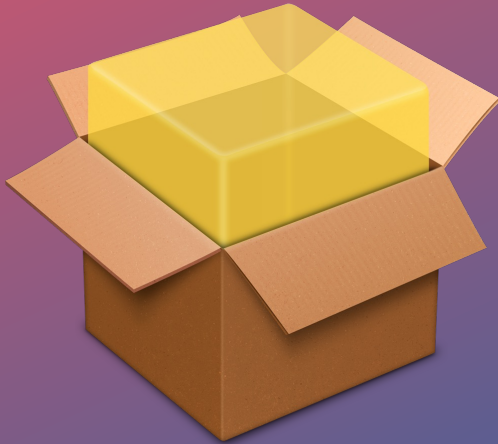
Thank you for helping to keep  safe.

[More Info](#)

# PKGs and Scripts



# PKGs and Scripts



## Nudge Icon Assets

- Company Logo

# PKGs and Scripts



- Nudge Install Script  
( Nudge + 30min Launch Agent )
- Nudge Removal Script

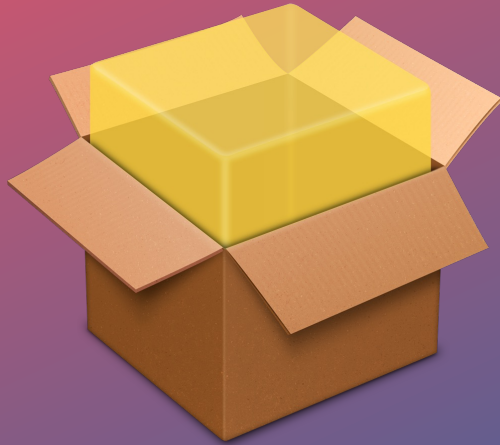
# Nudge Suite Installer Script

```
1  #!/bin/sh
2
3  # Nudge URL Variables
4  nudgeLatestURL="https://github.com/macadmins/nudge/releases/latest/"
5  versionUrl=$(curl "${nudgeLatestURL}" -s -L -I -o /dev/null -w '%{url_effective}')
6  versionNumber=$(printf "%s" "${versionUrl[@]}" | sed 's@.*@' | sed 's/%20/-/g' | sed 's/v//g')
7
8  # Nudge PKG Variables
9  downloadUrl="https://github.com/macadmins/nudge/releases/download/v$versionNumber/Nudge_Suite-$versionNumber.pkg"
10 pkgName=$(printf "%s" "${downloadUrl[@]}" | sed 's@.*@' | sed 's/%20/-/g' | sed 's/v//g')
11 pkgPath="/tmp/$pkgName"
12
13 # Download files
14 /usr/bin/curl -L -o "$pkgPath" "$downloadUrl"
15
16 # Install PKGs
17 sudo installer -pkg $pkgPath -target /
18
19 # Delete PKGs
20 sudo /bin/rm "$pkgPath"
21
22 exit 0
```

# Nudge Removal Script

```
1  #!/bin/bash
2  #####
3  # Nudge Removal Script: To be used in Jamf Only
4  #####
5
6  # Current console user information
7  console_user=$(/usr/bin/stat -f "%Su" /dev/console)
8  console_user_uid=$(/usr/bin/id -u "$console_user")
9  userHomeDir=$(dsccacheutil -q user | grep $console_user | awk 'NR==2 {print $2}')
10 deferralFile="$userHomeDir/Library/Preferences/com.github.macadmins.Nudge.plist"
11
12 # Force Quit Nudge
13 killall 'Nudge'
14
15 # Unload Launch Agent
16 sudo -u $console_user launchctl unload /Library/LaunchAgents/com.github.macadmins.Nudge.plist
17
18 # Remove Launch Agent
19 rm /Library/LaunchAgents/com.github.macadmins.Nudge.plist
20
21 # Remove Nudge
22 rm -r /Applications/Utilities/Nudge.app
23
24 # Only rm the preferences file if a user is logged in, otherwise fail
25 if [[ -z "$console_user" ]]; then
26     echo "Did not detect user"
27     exit 1
28 elif [[ "$console_user" == "loginwindow" ]]; then
29     echo "Detected Loginwindow Environment"
30     exit 1
31 elif [[ "$console_user" == "_mbsetupuser" ]]; then
32     echo "Detect SetupAssistant Environment"
33     exit 1
34 elif [[ "$console_user" == "root" ]]; then
35     echo "Detect root as currently logged-in user"
36     exit 1
37 else
38     /bin/rm $deferralFile
39     echo "Removed $deferralFile file"
40 fi
41
42 # Completion Message
43 echo "Nudge Removal Completed"
```

# PKGs and Scripts



Computers : Policies

← Nudge Install - Scripted Download

Options Scope Self Service User Interaction ☒ Show in Jamf Pro Dashboard

**General**

**Packages**  
1 Package

**Scripts**  
1 Script

Nudge Install - Scripted Download

☒ Enabled

**Site** Site to add the policy to  
None

**Category** Category to add the policy to  
Nudge

**Trigger** Event(s) to use to initiate the policy

☐ **Startup**  
When a computer starts up. A startup script that checks for policies must be configured in Jamf Pro for this to work

☐ **Login**  
When a user logs in to a computer. A login event that checks for policies must be configured in Jamf Pro for this to work

☐ **Network State Change**  
When a computer's network state changes (e.g., when the network connection changes, when the computer name changes, when the IP address changes)

☐ **Enrollment Complete**  
Immediately after a computer completes the enrollment process

☒ **Recurring Check-in**  
At the recurring check-in frequency configured in Jamf Pro

☒ **Custom**  
At a custom event

**Custom Event** Custom event to use to initiate the policy. For an iBeacon region change event, use "beaconStateChange"

nudge



# Nudge Defer Status Extension Attr.

Settings : Computer management > Extension attributes

← Nudge Deferral Status

**Display Name** Display name for the extension attribute

Nudge Deferral Status

☒ Enabled (script input type only)

**Description** Description for the extension attribute

Gets the status of Nudge for troubleshooting purposes.

**Data Type** Type of data being collected

String

**Inventory Display** Category in which to display the extension attribute in Jamf Pro

Operating System

**Input Type** Input type to use to populate the extension attribute

Script

Default Mode Default Theme

-T T+ Commands

```
1 #!/bin/zsh
2
3 # Get the currently logged in user
4 currentUser=$( scutil <<< "show State:/Users/ConsoleUser" | awk '/Name :/ && ! /loginwindow/ { print $3 }' )"
5
6 # Check for a logged in user and proceed with last user if needed
7 if [ $currentUser == "" ]; then
8     # Set currentUser variable to the last logged in user
9     currentUser=$( defaults read /Library/Preferences/com.apple.loginwindow lastUserName )
10 fi
11
12 # Get the current user's UID
13 currentUserID=( id -u "$currentUser" )"
14
15 # Nudge plist name
16 nudgePlist="com.github.macadmins.Nudge.plist"
```

Cancel Save

# Nudge Defer Status Extension Attr.

```
1 #!/bin/zsh
2
3 # Get the currently logged in user
4 currentUser="$( scutil <<< "show State:/Users/ConsoleUser" | awk '/Name :/ 66 ! /loginwindow/ { print $3 }' )"
5
6 # Check for a logged in user and proceed with last user if needed
7 if [[ $currentUser == "" ]]; then
8     # Set currentUser variable to the last logged in user
9     currentUser=$( defaults read /Library/Preferences/com.apple.loginwindow lastUserName )
10 fi
11
12 # Get the current user's UID
13 currentUserID="( id -u "$currentUser" )"
14
15 # Nudge plist name
16 nudgePlist="com.github.macadmins.Nudge.plist"
17
18 # Get the current OS version
19 osVersion="$( /usr/bin/sw_vers -productVersion )"
20
21 # Get the required minimum OS version from the plist
22 minOS="$( launchctl asuser "$currentUserID" sudo -u "$currentUser" defaults read $nudgePlist requiredMinimumOSVersion 2>/dev/null )"
23
24 # Report info from nudge plist
25 if [[ $minOS ]]; then
26
27     # Check if OS version meets the requirement using zsh is-at-least function
28     autoload is-at-least
29     if is-at-least "$minOS" "$osVersion"; then
30         result="macOS meets minimum required version"
31         # If not up-to-date, get the number of deferrals from the plist
32     else
33         result="$( launchctl asuser "$currentUserID" sudo -u "$currentUser" defaults read $nudgePlist userDeferrals )"
34     fi
35 else
36     result="No minimum required macOS version found"
37 fi
38
39 echo "<result>${result}</result>"
40
```

# Nudge Log Extension Attr.

Settings : Computer management > Extension attributes

← Nudge Log

**Display Name** Display name for the extension attribute

Nudge Log

☒ Enabled (script input type only)

**Description** Description for the extension attribute

**Data Type** Type of data being collected

String

**Inventory Display** Category in which to display the extension attribute in Jamf Pro

Operating System

**Input Type** Input type to use to populate the extension attribute

Script

Default Mode Cobalt

-T T+ Commands

```
1 #!/bin/sh
2 #####
3 #Script is designed to return the Nudge logs
4 #####
5 if [ -f /private/var/log/Nudge.log ]; then
6 Version=$(usr/bin/grep com.github.macadmins.Nudge /var/log/Nudge.log | /usr/bin/tail -20 | /usr/bin/awk '{ split($2, split_time, ".
7 echo "<result>$Version</result>"
8 else
9     echo "<result>Not-found</result>"
10 fi
11 exit
```

Cancel Save

# Nudge Log Extension Attr.

```
1 #!/bin/sh
2 #####
3 #Script is designed to return the Nudge logs
4 #####
5 if [ -f /private/var/log/Nudge.log ]; then
6     Version=$(/usr/bin/grep com.github.macadmins.Nudge /var/log/Nudge.log | /usr/bin/tail -20 | /usr/bin/awk '{ split($2, split_time, "."); $2 =
7         split_time[1]; print }' | /usr/bin/cut -d ' ' -f -2,6-)
8     echo "<result>$Version</result>".
9 else
10     echo "<result>Not-found</result>".
11 fi
12 exit
```

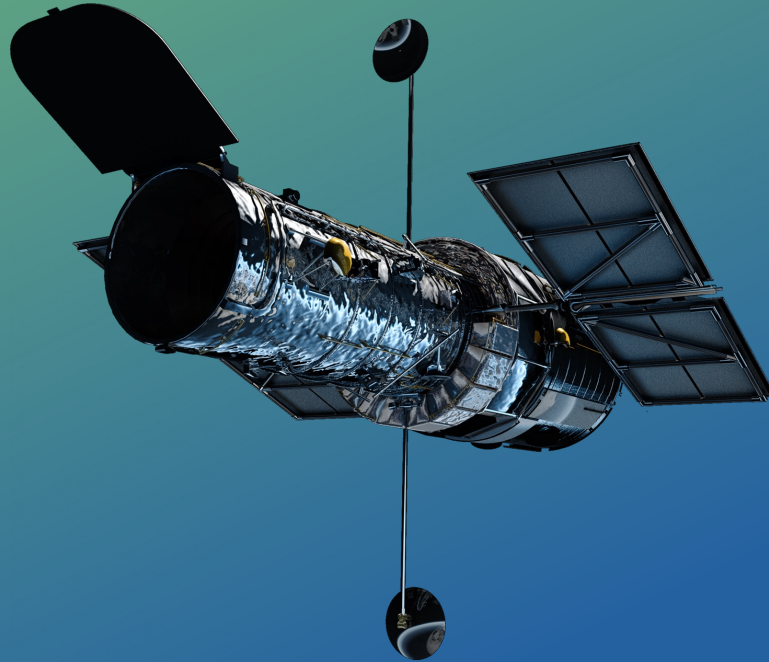
# Nudge Log Extension Attr.

## Extension Attributes

Nudge Deferral Status: 5

2023-07-15 13:14:38 Synthetically clicked updateDevice due to allowedDeferral count  
2023-07-15 15:41:50 User clicked moreInfo button  
2023-07-15 15:41:54 User clicked updateDevice  
2023-07-15 15:42:24 Synthetically clicked updateDevice due to allowedDeferral count  
2023-07-15 15:42:27 User clicked updateDevice  
2023-07-15 15:48:25 Synthetically clicked updateDevice due to allowedDeferral count  
2023-07-15 15:48:31 User clicked updateDevice  
2023-07-15 15:48:36 User clicked updateDevice  
2023-07-15 15:53:25 Synthetically clicked updateDevice due to allowedDeferral count  
**Nudge Log:** 2023-07-15 15:53:36 User clicked updateDevice  
Filtering the "subsystem == "com.github.macadmins.Nudge"  
2023-07-15 16:10:53 Delaying initial run (in seconds) by: 297  
2023-07-15 16:15:50 Device pastRequiredInstallationDate: false  
2023-07-15 16:15:50 enforceMinorUpdates: true  
2023-07-15 16:16:50 Nudge is currently the frontmostApplication  
2023-07-15 16:16:53 User initiated a deferral: 2023-07-15 21:16:53 +0000  
2023-07-15 16:16:53 User clicked primaryQuitButton  
2023-07-15 16:49:42 Delaying initial run (in seconds) by: 1007  
2023-07-16 22:52:22 Device pastRequiredInstallationDate: false  
2023-07-16 22:52:22 enforceMinorUpdates: true

# Planning & Scoping



# General Update Strategy

- Breakdown deployments into groups  
( Departments, Disruption Sensitive, Etc. )
- Try to keep the tech savy and responsive users in the first round and the risk averse to the end
- Announce the need to update ASAP, in the most active channels
- Keep the process consistent

# User Centric Updating

- Have fun with it (within reason and feel out your audience.)
- Meet with your users when possible (townhalls, security trainings, etc)
- Get to know their concerns and accept feedback on your process
- Build a rapport with your users, and get them invested into the process (remind them its to protect them too)



# Deployment



# Jamf Smart Groups Example

Smart Group = MacOS < 13.4.1 ( Deployed 14,241 Macs )

0

Smart Group = MacOS < 13.4.1 ( Deployed ORG Macs - NON 1,241 Macs )

0

Smart Group = MacOS < 13.4.1 ( Deployed 14,241 Macs )

3

Smart Group = MacOS < 13.4.1 ( Deployed 14,241 Macs )

0

Computers : Smart Computer Groups

← Smart Group = MacOS < 13.4.1 ( Deployed 14,241 Macs )

Computer Group Criteria Reports

AND/OR		CRITERIA	OPERATOR	VALUE	
	▼	Asset Status	is ▼	Deployed	▼
an ▼	▼	Department	is ▼	14,241	... ▼
an ▼	▼	Operating System Version	less than ▼	13.4.1	... ▼

# Policies Example

## Nudge

● Nudge Install - Scripted Download	Once per computer	Check-in, nudge	1 computer, 4 computer groups
● Nudge Remove - ASSIGN PEOPLE AS NEEDED	Once per computer	Check-in, nudge-remove, Self Service	No scope defined

# Policies

Computers : Policies

← Nudge Install - Scripted Download

Options

Scope

Self Service

User Interaction

☒ Show in Jamf Pro Dashboard

General

Packages  
1 Package

Scripts  
1 Script

☐ Network State Change  
When a computer's network state changes (e.g., when the network connection changes, when the computer name changes, when the IP address changes)

☐ Enrollment Complete  
Immediately after a computer completes the enrollment process

☒ Recurring Check-in  
At the recurring check-in frequency configured in Jamf Pro

☒ Custom  
At a custom event

Custom Event

Custom event to use to initiate the policy. For an iBeacon region change event, use "beaconStateChange"

nudge

Execution Frequency

Frequency at which to run the policy

Once per computer

☐ Automatically re-run policy on failure

Target Drive

The drive on which to run the policy (e.g. "/Volumes/Restore/"). The policy runs on the boot drive by default

/

Server-Side Limitations

Client-Side Limitations

Server-side limitations use your Jamf Pro host server's time zone and settings. Your Jamf Pro host service is in [timezone] time.

Activation Date/Time

Date/time to make the policy active

-- / -- / : -- : -- UTC

Expiration Date/Time

Date/time to make the policy expire

History

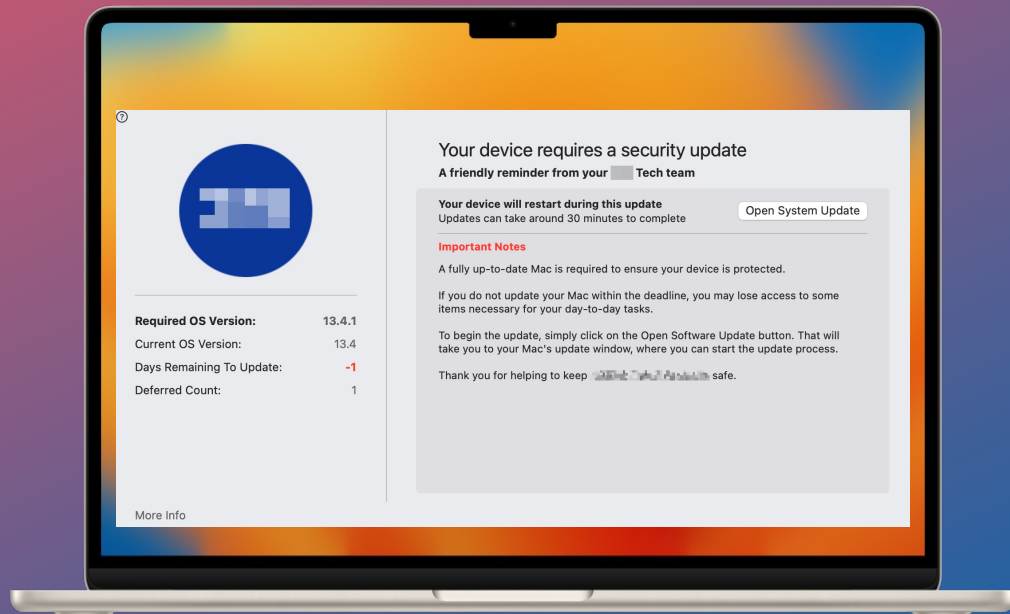
Logs

Clone

Delete

Edit

# Congrats, You Got Nudged



# Questions and Resources

## Nudge Wiki

<https://github.com/macadmins/nudge/wiki>

## Nudge Custom Schema

<https://raw.githubusercontent.com/macadmins/nudge/main/Schema/jamf/com.github.macadmins.Nudge.json>

## Jamf Pro Nudge Deploy Guide

<https://github.com/macadmins/nudge/wiki/Jamf-Pro-Guide#configuration-profile>

## Example Files

<https://github.com/xanderoliver/macadmins-presentations/tree/main/MacAdmins2023>