**Nudge idea**

**Example of swiftDialog message:-**

A screenshot of a computer error

AI-generated content may be incorrect.

As an example my Nudge Idea prompts users to install Firefox if it isn’t already installed and gives them an option to install it or defer. There are two scripts, an extension attribute and a smart group.

**swiftDialog / icon**

The swiftDialog message is customizable. See <https://github.com/swiftDialog/swiftDialog> for more information on customizations. You could have message Full Screen for example.

For this idea I have just added timer so it continues with script if ignored and re-prompts to install firefox and added button to install or defer.

Optional

Icon for Firefox is deployed to /usr/local/graphics/firefox.png as part of pkg on Policy 1.

**Condition / Purpose of this Nudge**



Early on in the scripts it checks if Firefox is installed and if it’s not to continue to nudge the user (*how many times* – **counter**, *how often* – **start interval**) to install firefox. The **timer** set will depend how long the nudge message is displayed to the user. You need this incase message is ignored so the script continues.

**Jamf Variables**

There are 3 counters, 3 StartIntervals and a Timer you can modify on Policy 1 and 2. You need to also set the 3 counters on the Smart Group.

The StartIntervals are for the Launch Daemons (how often you want script to run). You have 3 counters:-

**Counter 1** – how many times (-1 as when counter reached it boots out Daemon and removes it. For example; if set to 10 will run script 9 times and on 10th time will boot out and remove the Daemon) you want LaunchDaemon 1 to try to run script to present user with nudge message.

**Counter 2** – The starting counter for LaunchDaemon 2 will be what’s set for Counter 1. If Counter 1 is 10 this is starting counter so if you want LaunchDaemon 2 to run script to nudge user every hour then set this to 16 and StartInterval2 to 3600 seconds.

**Counter 3 –** As above Counter3 will start with the starting counter for LaunchDaemon 3 will be what’s set for Counter 2. Set a counter above this.

When the Max counter is reached (Counter 3); at the next recurring check-in it will bootout Daemon 3, remove it and then ensure all other files are removed associated with this Nudge.

**Policy 1**

Packages – maybe one for icon. Maybe one for swift binary.

Set to recurring check-in

Script – FireNudge1.zsh

**Suggested Labels for Variables:-**

**4 – Counter 1**

**5 – Start Interval for Daemon 1**

**6 – Counter 2**

**7 – Start Interval for Daemon 2**

**8 – Counter 3**

**9 – Start Interval for Daemon 3**

**10 – Timer**

7 & 9 not needed for Policy 1 but makes it easier to read / configure if set.

**FireNudge Extension Attribute**

The extension attribute checks if the following file exists:-

/usr/local/.FireNudge/.counter.plist

If it does; it reads it’s counter value and sets that as the value for this EA. If it doesn’t then it sets the EA to “No plist found”.

EA’s Purpose

This EA is important for triggering policy 2 when condition is met to bootout & remove Daemon and files at next recurring check-in.

It also triggers policy 2 when Counter 1, 2 or 3 has reached it’s maximum. This ensures Daemon is booted out and removed and then files removed too.

**Policy 2**

Set as “Ongoing”

Set to recurring check-in too (Be careful when setting scope).

With custom trigger – **Fire\_Nudge**

Script – FireNudge2.zsh

**Suggested Labels for Variables:-**

**4 – Counter 1**

**5 – Start Interval for Daemon 1**

**6 – Counter 2**

**7 – Start Interval for Daemon 2**

**8 – Counter 3**

**9 – Start Interval for Daemon 3**

5 not needed for Policy 2 but makes it easier to read / configure if set.

**Scope** – Set this to condition you are looking for +Fire\_Nudge Criteria.

For my example would be those without Firefox installed AND:-

(Fire\_NudgeEA is X

OR Fire\_NudgeEA is X

OR Fire\_NudgeEA is X)

The value for X should be set to the same values as counters 1, 2 and 3. This is done manually. We want to trigger this policy at recurring check-in IF counter 1, 2 or 3 reached!

We also want another **smart group that checks if /usr/local/.FireNudge/.counter.plist exists + if condition is met (in our case – Firefox app is installed).** We also want this added to scope of policy 2. This way if plist doesn’t exist it won’t trigger but if it does exist + condition met then it will check this and run the clean up task (which will also de-scope it!).

As the EA will update value if found but if not found will set it as “No plist found” we can scope accordingly:-

A screenshot of a computer

AI-generated content may be incorrect.