

How to Deploy DEPNotify as a Jamf Pro PreStage Enrollment Package with Custom Launching Scripts





DEPNotify lets your users know what's going on when they turn on a brand new Mac and your Mobile Device Management (MDM) solution automatically configures their Mac. This guide illustrates how to create a signed package that you can use as a Jamf Pro PreStage Enrollment package to install DEPNotify for Mac computers that use Device Enrollment with Apple Business Manager or Apple School Manager. There are many approaches; this guide illustrates using a postinstall script that creates a LaunchDaemon and some supporting scripts to get DEPNotify running as soon as possible, then to clean up after itself.

# Signed Certificate

Before you can sign the package, you need a certificate. One option is to use a certificate signed by your Jamf Pro instance's Certificate Authority. Another option is to use your Apple Developer ID. This guide covers both options.

# Option A: Create a certificate that only Mac computers enrolled with your Jamf Pro will trust 1. Open Keychain Access.

2. Go to the Keychain Access menu, choose Certificate Assistant, then choose Request a Certificate From a Certificate Authority.



- 3. In the Certificate Information window, in the User Email Address field, enter an organizational email address.
- 4. In the Common Name field, enter your organization's name.
- 5. Select "Saved to Disk".
- 6. Click Continue.

Enter information f Continue to reques	for the certificate you are requesting. Click st a certificate from the CA.
User Email Address: Common Name: CA Email Address: Request is:	it@arekdreyer.com



7. In the Save As dialog, optionally change the destination (this guide uses Desktop as an example) then click Save.

Save As:	CertificateSig	ningRequest	.certSigningRe
Tags:			
Where:	🛅 Desktop		•
		Cancel	Save

8. In the Conclusion message, click Done. A private key is automatically generated and saved in your login keychain.

Certificate Assistant
Conclusion
Your certificate request has been created on disk.
Certificate Show In Finder
Done

9. Open the file you just created. In the Finder, Control-click the file, then choose Open With, then choose a Text Editor. Usually when you edit script files, you should avoid TextEdit, but it's fine to use TextEdit to copy the contents of the Certificate Signing Request.

	Open Open With	TextEdit (default)
Certificat Request	Move to Trash	Certificate Assistant
	Get Info Rename Compress "CertificateSigningRequest.certSigningRequest" Duplicate Make Alias Quick Look "CertificateSigningRequest.certSigningRequest" Share Quick Actions	App Store Other
	Copy "CertificateSigningRequest.certSigningRequest" Import from iPhone or iPad Use Stacks Sort By Clean Up Selection	
	Show View Options	



10. Press Command-A to select all the text in the file.

CertificateSigningRequest.certSigningRequest
BEGIN CERTIFICATE REQUEST
MIICnTCCAYUCAQAwWDEgMB4GCSgGSIb3DQEJARYRaXRAYXJla2RyZXllci5jb20x
JzAlBgNVBAMMHkRyZXllciB0ZXR3b3JrIENvbnN1bHRhbnRzIEluYzELMAkGA1UE
BhMCVVMwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCjSh5i+pWEdYRY
Kn8wd2F+7Q2KUyW13/wvwL4w4KyWTvtmchlAd9CIac3NHawB586Q66q0YGC2BDXt
DHgDAcd9/2dEgdapB6Is91GIiK55CifFPpmKTAP1eMF2tg2c8Bb6xwdb830QFo81
GFIX0cBjZmfKSpAJuud30eN2R5m0/yHw275K2LnWlu5G3H1UFsGc9mrJ3xqX2Bod
phBlE50Hry0Ghtw8sAYUt2b+IGYYReyUnK7hZItxtfTJ4ME0tF4KB95HpCM1fsUs
XcobY8fx0pha08x6ikjxYgjD1iR8Q6zdurexWWh9L4XtG0tdVfgdXF40XmfFg7RF
OdoOHKXnAgMBAAGgADANBgkghkiG9w0BAQsFAAOCAQEAmbkMN+VEE06GfVm/aR2s
CDZyJkm4oKWhso3WpJ0lNdgAgZ82Qo0WnBV4zuuai3giFNz6zHE8GsxCm978Q2s3
oJ8MeVzM0pc17YUdb4Z62Uv7W0wsFV/L7SwFz6hAuAPDHcNIvoKCMnhuF0tXGKnn
yxr9hSvtITfhHGUMcJ3itSFMGdb97iFb9VBmjQdY6CtdQpnsGabdgrIpuWtL3Np1
r/MSZ8XT/eIwlp5ZSZpSANXcWflptWLbWpPNii+aaZbslXge579T3i40Gv8B7RAa
3908Fl/Lb3WPHI1l1qaQvKyZ4ioBhCnS3tIagmIEUJn0nId6sTTSOxPZBcIqFG0p
<u>sg</u> ==
END CERTIFICATE REQUEST

- 11. Press Command-C to copy the text.
- 12. With a web browser, log in to your Jamf Pro web interface. Navigate to Settings > Global Management > PKI Certificates

Global Mar	agement					
Categories	Push Certificates	GSX Connection	Jamf Pro URL	PKI Certificates	VPP Accounts	User-Initiated Enrollment
Device Enrollment Program	Apple Education Support	Re-enrollment	Event Logs	Webhooks	AirPlay Permissions	Conditional Access
Inventory Preload						

13. Click Management Certificate Template.

Settings > Global Manageme	nt >		
Certificate Authorities	Management Certificate Template	JSON Web Token Configuration	

14. Click Create Certificate from CSR.

Certificate Authorities	Management Certificate Template	JSON Web Token	Configuration
	Built-in CA		External CA
CA Subject Name	CN=Drever Netv	vork Consultants Inc.	ISS Built-in Certificate Authority



15. Click inside the CSR field, then press Command-V to paste.

Create Certificate from CSR	
CSR Certificate signing request in Base64-encoded PEM format	
CERTIFICATE TYPE Type of certificate to create	
Cancel	Create

16. Click the menu for Certificate Type then choose Web Server Certificate, then click Save.

Crea	ate Certificate from CSR
CSR	Certificate signing request in Base64-encoded PEM format
E MIIC ZXIIc	BEGIN CERTIFICATE REQUEST INTCCAYUCAQAWWDEgMB4GCSqGSIb3DQEJARYRaXRAYXJIa2Ry ci5jb20x BeanyRAMAUUD-rZYIB2CZXP252 IsICN-tean/db/Upbap2=ICU-X7ELM
AkG. BhM	byny bawwinkkyzaiicibozaksbsjienybinibektibikzielutzelw A1UE ICVVMwaaEiMA0GCSaGSIb3DQEBAQUAA4IBDwAwaaEKA0IBAQ
CjSh Kn8v	15i+pWEdYRY wd2F+7Q2KUyW13/wvwL4w4KyWTvtmchlAd9Clac3NHawB586Q6
6q0 DHg	YGC2BDXt jDAcd9/2dEgdapB6Is91GliKS5CjfFPpmKTAP1eMF2tg2c8Bb6xwdb 0Eo81
GFIX	GCGJZmfKSpAJuud30eN2R5mO/yHw275K2LnWlu5G3H1UFsGc9 3xqX2Bod
phBI CM1	IE50HryOGhtw8sAYUt2b+IGYYReyUnK7hZltxtfTJ4MEQtF4KB95Hp fsUs
Xcol mfFc	0Y8fx0pha08x6jkjxYgjD1iR8Q6zdurexWWh9L4XtGOtdVfgdXF40X q7RF OHKXpAgMBAAGgADANBgkgbkiG9w0BAOgEAAOCAOEAmbkMN
+VEE CDZ	vJkm4oKWhso3WbJOINdgAgZ82QoOWnBV4zuuai3giFNz6zHE8G
sxCr oJ8N	n978Q2s3 MeVzM0pc17YUdb4Z62Uv7WOwsFV/L7SwFz6hAuAPDHcNIvoKCM
nhuF yxr9	-QtXGKnn hSvtITfhHGUMcJ3itSFMGdb97iFb9VBmjQdY6CtdQpnsGabdgrlpu 2No1
r/MS	japi iZ8XT/elwlp5ZSZpSANXcWfLptWLbWpPNji+aaZbslXge579T3j4OG 7RAa
39O qFG	8FI/Lb3WPHI1I1qaQvKyZ4ioBhCnS3tlagmIEUJn0nId6sTTSOxPZBcI Qp
sg== E	END CERTIFICATE REQUEST
CERTI	FICATE TYPE Type of certificate to create
✓ Clier Web	nt Certificate Server Certificate
Car	Create



17. Your browser automatically downloads a newly signed certificate to the browser's default location; for this guide, the default location is your Downloads folder. Your browser might display a wait status indicator indefinitely. After the certificate is downloaded, you can safely close the browser window or navigate to a different page.

Settings > Global Management > PKI Certificates			
	Management Certificate Template		
	Built-in CA		
CA Subject Name:			

18. In the Finder, navigate to the folder that contains the newly signed certificate. In the following example, the file is in the Downloads folder, and its name reflects your organization's name, and has the ".pem" suffix (though pem historically stands for Privacy-enhanced Electronic Mail, you won't be using this certificate for mail).

• • •	🙋 Downloads				
< >		$\bigcirc$	Q Searc	h	
Favorites	Name	Size		Kind	Date Added
AirDrop	C=US,CN=Dreyer Netarekdreyer.com.pe	m	1 KB	printablarchive	Today at 4:24 PM

19. Open the pem file.



20. If you're prompted to add the certificate to a keychain, select your login keychain, then click Add.

• • •		Add Certificate	S	
Certificate Standard	Do you want "C=US,CN=E Inc,E=it@are	to add the certificato Dreyer Network Cons Ikdreyer.com.pem" to	e(s) from the file ultants o a keychain?	
		Keychain: login		0
View Cer	rtificates		Cancel	Add

21. In Keychain Access, in the lower-left corner, click My Certificates. To confirm that the certificate you just imported is displayed with the private key, select the certificate and click the disclosure triangle. Note: At this point your Mac is the only place where your private key is stored.

••• + (i)				Q Search
Keychains login Local Items System System Roots	Certificate Issued by: Dreyer Network Cons Expires: Friday, June 12, 2 This certificate is valid	a <b>ultants Inc</b> Consultants Inc. J 020 at 4:24:41 PM	SS Built-in Certificate Authority Central Daylight Time	
	Name	<ul> <li>Kind</li> </ul>	Expires	Keychain
	V 🔄 Dreyer Network Consultants Inc	certificate	Jun 12, 2020 at 4:24:41 PM	login
	Preyer Network Consultants Inc	private key		login
	member: B22CB4-6F907A42AB30	certificate	Jun 12, 2020 at 4:13:01 PM	login
Category				
All Items				
/ Passwords				
Secure Notes				
My Certificates				
Kevs				
Certificates				



- 22. If your Mac that you used to create the Certificate Signing Request (CSR) is enrolled in your Jamf Pro instance, your Mac trusts the Jamf Pro Certificate Authority (CA), which signed your CSR, so that Mac trusts the new certificate. If your Mac is not enrolled with your Jamf Pro instance, you need to configure your Mac to trust the certificate so that Composer can use the certificate. To do this:
  - A. Double-click the certificate you just imported.
  - B. Click the disclosure triangle next to Trust, click the menu next to "When using this certificate" and choose "Always Trust."

• • • C	Dreyer Network Consultants Inc	•••	Dreyer Network Consultants Inc	
Breyer Network Consultants Inc. JSS Built-in Certificate Authority     Expery Network Consultants Inc. JSS Built-in Certificate Authority     Express Friday, June 12, 2020 at 4:24:14 PM Central Daylight Time     Orreyer Network Consultants Inc" certificate is not trusted     Tust     Subject Name     Country or Region US     Common Name Dreyer Network Consultants Inc     Email Address it@arekdreyer.com     Issuer Name		Derger Network Consultants Inc. Issued by: Dreyer Network Consultants. Inc. JSS Built-in Certificate Authority.     Explores: Friday, June 12, 2020 at 4:24-41 PM Central Daylight Time     Orberer Network Consultants Inc" certificate is not trusted     When using this certificate ✓ Use System Defaults     Secure Sockets Layer (SSL     Never Trust     Secure Sockets Layer (SSL     Never Trust     Secure Mail (S/MIME) no value specified ⓒ     IP Security (IPsec) no value specified ⓒ		
Serial Number Version 3 Signature Algorithm 5 Parameters 1 Not Valid Before 1 Not Valid After 5	Certificate Authonty 3352548839 3 BM-256 with RSA Encryption (1.2.840.113549.1.1.11) None Wednesday, June 12, 2019 at 4:24:41 PM Central Daylight Time Friday, June 12, 2020 at 4:24:41 PM Central Daylight Time			

- C. Choose File > Close to close the certificate window, then at the "You are making changes to your Certificate Trust Settings" dialog, provide your credentials to allow the update.
- D. Confirm that the certificate is displayed with "This certificate is marked as trusted for this account."

••• + (j)					Q Searc
Keychains i login Local Items System System Roots	Certificate Sussed by: Dreyer Network Consultants Inc. JSS Built-in Certificate Authority Expires: Friday, June 12, 2020 at 4:24:41 PM Central Daylight Time This certificate is marked as trusted for this account				
	Name	^	Kind	Expires	Keychain
	🕨 🌇 Dreyer I	Network Consultants Inc	certificate	Jun 12, 2020 at 4:24:41 PM	login

23. Optionally, export the certificate with your private key so you have a backup of it, and so that you can import it on another Mac. With the certificate selected, Choose File > Export Items.





- 24. In the Save As field, enter a name like JamfProSignedCert.
  - A. Enter a location to save; this guide uses Documents.
  - B. Leave the File Format as Personal Information Exchange (.p12) because this format includes the private key.
  - C. Click Save.

Save As: JamfProSignedCert	
Tags:	
Where: 🛅 Documents 🔗 💌	A
File Format: Personal Information Exchange (.p12)	—— В
Cancel Save	C

25. Enter a password to secure the certificate, enter it again to verify, then click OK. You can click the key icon to open the Password Assistant to help generate a secure password. If you use an organizational password vault system, record this password.

	Enter a password w exported items:	which will be used to protect the
	Password:	•••••
	Verify:	•••••
	Password Show	<u>Strength</u> ; Fair
?		Cancel OK

26. In the dialog, enter your login password then click Allow.

	Keychain Access wants to export key "Dreyer Network Consultants Inc" from your keychain. To allow this, enter the "login" keychain password.				
	Password:				
?	Always Allow Deny Allow				

- 27. Copy the exported certificate to secure location, backup media, organization shared folder, or another Mac.
- 28. Quit Keychain Access.



#### Option B: Use your Developer ID Installer certificate

- 1. Double-click your Developer ID Installer file.
- 2. In the dialog that appears from Keychain Access, leave Keychain set to "login", then click Add. Note: if you already had Keychain Access open with your System keychain selected, you might need to use the following workaround to use your login keychain instead: Open Keychain Access, in the upper-left corner of Keychain Access, select your login keychain, then quit Keychain Access.

$\bullet \circ \circ$		Add Certificates				
Certificate Standard	Do you want to add the certificate(s) from the file "DeveloperIDInstaller.p12" to a keychain?					
		Keychain:	login	0		
View Cer	rtificates		Cancel	Add		

3. In the dialog, enter the password that protects the .p12 file, then click Add.

$\bigcap$	Enter the password for "DeveloperIDInstaller.p12":
	Password:
	Show password
	Cancel OK

4. To confirm your certificate and private key are imported, in the lower-left corner select My Certificates, then click the disclosure triangle for your certificate.

• • • + (j)					Q Search
Keychains		Developer ID Installer	Drever Network Co	nsultants Inc. (ODVKE	3353.1)
🧃 login	Certificate	Issued by: Developer ID Cer	tification Authority		55555)
🧃 Local Items		Expires: Friday, January 19,	2024 at 10:22:09 AM C	entral Standard Time	
🔒 System		This certificate is valid			
📴 System Roots					
	Name	^	Kind	Expires	Keychain
	🔻 📷 Develop	er ID InInc. (QDYKF3353J)	certificate	Jan 19, 2024 at 10:22:09	login
	💡 Mac I	Developek Consultants, Inc.	private key		login



## Use Composer to create a signed package

- 1. Open Composer.
- 2. Enter your login password if necessary.
- 3. If Composer displays the Snapshot dialog, click Cancel.



- 4. From the Composer menu at the top of the screen, choose Preferences.
- 5. Click the checkbox for "Sign with".
- 6. Click the menu and choose an appropriate certificate.

For the certificate signed by Jamf Pro, it will have your organization's name:



For your Developer ID Installer, it will start with "Developer ID Installer."

Composer Preferences
Packaging Exclusion List Advanced
Build flat PK( D32A57DD-B781-4AAA-92E6-40E76A38592B
✓ Sign with ✓ Developer ID Installer: Dreyer Network Consultants, Inc. (QDYKF3353J)
Remove .DS member: B22C72B1-795A-48D8-91E7-193FDC1C8E8C 501584AF-0CE9-421E-8AB4-6F907A42AB30
Scan images when building DMGs
Play sounds
Reveal in Finder when done
DMG Target Filesystem: Prompt
Cancel Save

7. Close the Preferences window.



8. Download the latest DEPNotify installer package from https://gitlab.com/MacTroll/DEPNotify/-/tags

••• <>	l gitlab.com	Ċ		Ô 0 +
🦊 GitLab Projects G	roups Snippets Help		۹ 🚱 ~	Sign in / Register
D DEPNotify	Joel Rennich > DEPNotify > Tags			
✿ Project	Tags give the ability to mark specific points in history as being important	Filter by tag name	Last up	dated 🗸 🔊
Repository Files	<ul> <li>1.1.4</li> <li>o- f8ba1c34 - copy/paste added - 5 months ago</li> <li>Package Installer - DEPNotify-11.4.pkg</li> </ul>			<b>@</b> ~
Branches	<ul> <li>▶ 1.1.0 Official 1.1.0 Release, build 29</li> <li>∞ fea3415f · 1.1.0 Release · 1 year ago</li> </ul>			
Tags	Binary - 🗞 DEPNotify-1.1.0.zip			Q ~
Contributors	Package Installer - % DEPNotify-1.1.0.pkg			
≪ Collapse sidebar	1.0.3 Official 1.0.3 Release, build 23 -> a3996444 · Merge branch 'parse lamfl.og' into 'master' · 1 year ago			

9. If Terminal is not open yet, open Terminal, then create a folder for the installer with the following command:

sudo mkdir -p /usr/local/depnotify-with-installers

•		•			1	ladmin — -bash — 80×24	
dem	10:~	ladmin\$	sudo	mkdir	-p	/usr/local/depnotify-with-installers	

10. Open the folder you just created. You can do this in Terminal with the following command: open /usr/local/depnotify-with-installers

• •	•		👚 ladmin — -bash — 80×24	
[demo:~ [Passwo:	ladmin\$ rd:	sudo	mkdir -p /usr/local/depnotify-with-installers	]
demo:~	ladmin\$	open	/usr/local/depnotify-with-installers	

- 11. Drag the DEPNotify installer package from your Downloads folder to the /usr/local/depnotify-withinstallers folder.
- 12. Open the /usr/local folder; one way to this is the following: while viewing the depnotify-withinstallers folder, Command-click the name of the folder in the Finder window toolbar, then choose local.

• • •		depnotify-with-installers	
< >	ः ≡ □ □	🚞 local	Q Se
Favorites	Name	📄 usr 📓 Macintosh HD	
AirDrop	😺 DEPNotify-	💻 demo	2:35 PM
Recents			



13. Drag the /usr/local/depnotify-with-installers folder to the Sources section of Composer. Note: be sure to drag the folder, not just the package inside the folder, otherwise the package will be in the Packages section, not the Sources section (if this happens, don't click Convert to Source, instead, Control-click the DEPNotify package in the Packages section of Composer and choose Remove, then try again).



14. In the main window of Composer, select the usr folder.

	Z		
New	Build as DM	G Build as PKG	
SOURCES		🕨 🚞 usr	
🕨 🥪 depno	otify-with-inst		
PACKAGES			

- 15. Click the disclosure triangle for the usr folder.
- 16. Click the disclosure triangle for the local folder.
- 17. Click the disclosure triangle for the depnotify-with-installers folder.
- 18. Confirm that the DEPNotify installer package is visible.





- 19. Select the usr folder.
  - A. Confirm the Owner is set to root.
  - B. Confirm the Group is set to wheel.
  - C. Click the Action menu (looks like gear) and choose Apply Owner and Group to user and All Enclosed Items.

•••	Compo	oser 10.10.1	
			Q Search
New Build as DMG	Build as PKG		Search
SOURCES	🔻 🚞 usr		
depnotify-with-inst	local		
PACKAGES	DEPNotify-1.1.4.pkg		
	•		
			R W X
		Owner: root (0)	$\circ$ $\checkmark$ $\checkmark$
		Group: wheel (0)	
		Apply Permissions to usr a	and All Enclosed Items
		Apply Owner and Group to	o usr and All Enclosed Items
		Apply Owner to usr and Al	I Enclosed Items
		Apply Group to usr and All	Enclosed Items
		Apply Mode to usr and All	Enclosed Items

20. In the Sources section of Composer, click the disclosure triangle for the depnotify-with-trigger package.

•••	Com	ooser 10.10.1	
🤪 📝			Q Search
New Build as DM	G Build as PKG		Search
New Build as DM SOURCES Sources Sour	<pre>\$ Build as PKG Use The second se</pre>		Search
	usr	Group: wheel (0) Everyone:	<ul> <li> <ul> <li> <li></li></li></ul></li></ul>



21. Right-click the Scripts folder then choose Add Shell Script, then choose postinstall.



22. In the left side of Composer, select the postinstall script.



23. In your browser open https://gist.github.com/arekdreyer.



24. Click postinstall-for-Composer-for-DEPNotify.zsh.





#### 25. Click Raw.

••• <>			m Č	0 1 0
<b>GitHub</b> Gist		All gists Back to GitHub		Sign in Sign up
Ins	stantly share code, notes, and si	nippets.		
Crea	arekdreyer / postinstall-for-Co ated 29 minutes ago	mposer-for-DEPNotify.zsh		★ Star 0 ¥ Fork 0
<	Code ··· Revisions 1		Embed • <script src="https://gi</td> <td>Download ZIP</td>	Download ZIP
Pos	stinstall script for Jamf Composer to inst	all DEPNotify with supporting scripts a	nd a LaunchDaemon	
(3)	postinstall-for-Composer-for-DEPNot	ify.zsh		Raw
	1 #!/bin/zsh 2 ## postinstall 3 4 pathToScript=\$0 5 pathToPackage=\$1 6 target_orstion=\$2			

26. In the web browser window that displays the new postinstall script, click, press Command-A to select all, press Command-C to copy (if you want to edit the script, the steps to edit it in the text editor of your choice is outside the scope of this guide).

		Ċ	0 1 0	p +
#1/bin/zsh ## postinstall				
pathToScript=\$0 pathToPackage=\$1 targetLocation=\$2 targetVolume=\$3				
<ul> <li>This postinstall script for Composer create</li> <li>A LaunchDaemon that starts a separate scrip</li> <li>A script to wait for Jame Pro enrollent to</li> <li>then triggers a Jamf Pro policy that trig</li> <li>A script that is designed to be called by a</li> <li>to unload the LaunchDaemon then remove th</li> <li>0: Why not just call the 'jamf policy -trig</li> <li>from the PreStage Enrollment package pos</li> <li>A because the preStage Enrollment package before the jamf binary is installed.</li> <li>0: Why not just have the postinstall script won't exi</li> <li>A: Because the postinstall script won't exi</li> <li>0: Why not just include the DENPOLITy.sh as</li> <li>A: Because every time you update it, for in you'd need to re-build and re-upload the</li> <li>0: Why not distribute the extra scripts and</li> </ul>	<pre>s the following t to run a Jamf Pro policy command complete gers DEFNotify Jamf Pro policy e LaunchBaemon and script ger' command tinstall script? is installed wait until jamf enrollment is complete? t while it waits, which prevents enrollment t while it waits, which prevents enrollment t the ProStage Enrollment package? stance POLICY_ARRAY, package LaunchBaemons somewhere else.</pre>			
<ul> <li># (why hot adstribute the variat scripts and # instead of embedding them in this funky # A: This way you only have to download and m</li> </ul>	Launchizaemons somewhere eise, postinstall script? aintain one extra thing.			
n the right side of the Compo	sor window, click the postingtall s	print contont thon pro		

27. In the right side of the Composer window, click the postinstall script content, then press Command-A to select all the text.

• • •	Composer 10.10.1	
😂 🛛 🖉	2	Q Search
New Build as DM	Build as PKG	Search
SOURCES	<pre>1 #!/bin/sh 2 ## postinstall 3 4 pathToScript=\$0 5 pathToPackage=\$1 6 targetLocation=\$2 7 targetVolume=\$3 8</pre>	
PACKAGES	9 10 11 12 13 14 exit 0 ## Success 15 exit 1 ## Failure	
	16	



- 28. Press Command-V to replace the selected text with the text you copied earlier.
- 29. Scroll to the top of the script and confirm that the shell is defined in the first line (#!/bin/zsh).

• • •	Composer 10.10.1	
🤪 📝	2	Q Search
New Build as DMG	Build as PKG	Search
SOURCES Control depnotify-with-instal Control depnotify-with-instal Sources Settings Sources PACKAGES	<pre>1 #!/bin/zsh 2 ## postinstall 3 pathToScript=\$0 6 pathToPackage=\$1 6 targetLocation=\$2 7 targetVolume=\$3 8 # This postinstall script for Composer creates the following 0 # A LaunchDaemon that starts a separate script to run a Jamf 1 # A script to wait for Jame Pro enrollment to complete 2 # - then triggers a Jamf Pro policy that triggers DEPNotify 3 # A script that is designed to be called by a Jamf Pro policy 4 # - to unload the LaunchDaemon then remove the LaunchDaemon a 5 # 0: Why not just call the `jamf policy -trigger` command 7 # from the PreStage Enrollment package postinstall script? 8 # A: Because the PreStage Enrollment package is installed 9 # before the jamf binary is installed. 9 # 0: Why not just have the postinstall script wait until jamf 1 # 0: Why not just include the DEPNotify.sh script in the PreS 5 # A: Because every time you update it, for instance POLICY_AR 6 # you'd need to re-build and re-upload the package 7 # 0: Why not distribute the extra scripts and LaunchDaemons s 8 # instead of embedding them in this funky postinstall scri 1 # A: This way you only have to download and maintain one extr 1 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # One approach is to use the following locations and files: 9 # Oute approach is to use the followi</pre>	Pro policy command nd script , which prevents enrollment tage Enrollment package? RAY, omewhere else, pt? a thing.

- 30. Choose File > Save (or press Command-S).
- 31. In the Sources section of Composer, select the depnotify-with-trigger package.





- 32. In the Composer toolbar, click "Build as PKG."
- 33. Press Command-D to specify that the Desktop is the location to save the package to.
- 34. Click Save.

	🛅 Deskt	op	٥	Q Search	
Favorites					
Recents					
Applications					
Desktop					
Documents					
Downloads					
Locations					
🛆 iCloud Drive					
Remote Disc					
Wetwork					
Tags					
Red					
😑 Orange					
Yellow					
New Folder				Cancel Save	

35. In order to sign your package, Composer needs access your private key. At each prompt enter your login password and click Allow (or click Always Allow to grant Composer access to your key without asking for your password again).

USC.	productsign wants to sign using key "Dreyer Network Consultants Inc" in your keychain. To allow this, enter the "login" keychain password.
	Password:
?	Always Allow Deny Allow

36. Quit Composer.



# Upload the package to your Jamf Pro instance.

- 1. Log in to your Jamf Pro web interface.
- 2. Navigate to Settings > Computer Management > Packages.

Computers Devices Users	र्रेट्रे All Settings	Computer Management
VERSION 10.13.0-11559772983 MANAGED Computers: 1	Global Management	Packages Scripts Printers Directory Bindings Configurations
Mobile Devices: 1 UNMANAGED Computers: 0	Self Service	Patch Management
Mobile Devices.	Network Organization	Computer Management - Management Framework
	Computer Management	🚉 📮 🚱 🔒 🔂 💌

#### 3. Click New.

Settings > Computer Manager	ent >				
Packages					
					+ New
NAME	CATEGORY	PRIORITY	FUT	FEU	INDEXED
Firefox.pkg	Browsers	10	No	No	No

#### 4. Click Choose File.

Settings > Co	mputer Manage age	ment > Packages >
General	Options	Limitations
DISPLAY NAME	Display name	e for the package
CATEGORY C	ategory to add t	he package to
None	•	
Choose File	ename of the pa	ckage on the distribution point (e.g. "MyPackage.dmg")
Upload Mar	nifest File	



5. Select the package you recently created then click Choose.

		Desktop	٥	Q Search	
Favorites Recents Applications Desktop Documents	depnotify-with- installers.pkg				
Downloads					
Locations					
🛆 iCloud Drive					
Remote Disc					
Media					
🎵 Music					
Dhotos					
Movies					
Tags					
				Cancel	Choose

- 6. Assign a Category, edit the Info and Notes fields if you like.
- 7. Click Save.

General       Options       Limitations         DISPLAY NAME       Display name for the package         depnotify-with-installers.pkg         CATEGORY       Category to add the package to         Enrollment	
DISPLAY NAME Display name for the package depnotify-with-installers.pkg  EATEGORY Category to add the package to Enrollment  ILENAME Filename of the package on the distribution point (e.g. "MyPackage.dmg") Channa Euo (depnotify-with-installers.pkg)	
depnotify-with-installers.pkg         category to add the package to         Enrollment         ILENAME         Filename of the package on the distribution point (e.g. 'MyPackage.dmg')         Channe File         Channe File	
Category to add the package to Enrollment  FILENAME Filename of the package on the distribution point (e.g. "MyPackage.dmg") Channe Eue (depotitive/ith-installers.pkg)	
Enrollment         •           *!LENAME         Flename of the package on the distribution point (e.g. "MyPeckage.dmg")	
ILENAME Filename of the package on the distribution point (e.g. "MyPackage.dmg") Channa File (depnotify-with-installers.pkg)	
MANIFEST FILE Upload Manifest File INFO Information to display to the administrator when the package is deployed or uninstalled	
NOTES Notes to display about the package (e.g. who built it and when it was built)	
Packaged 6/13/19 by Arek Dreyer, signed to be used for a PreStage Enrollment package	

8. If you see the Availability Pending message, you can safely ignore this and continue with this guide.



# Use Apple Business Manager or Apple School Manager to assign a computer to your Jamf Pro instance.

1. Use a web browser to sign in to business.apple.com or school.apple.com with an Apple ID that has the ability to assign devices.



- 2. Click Device Assignments.
  - A. Next to "1. Choose Devices", select Serial Number, then enter your test Mac serial number in the Serial Numbers field.
  - B. Next to "2. Choose Action", click the Perform Action menu and choose "Assign to Server," then click the MDM Server menu and choose your Jamf Pro server.
  - C. Click Done.





3. Click Close.





Create a PreStage Enrollment, assign the package you just created to the PreStage Enrollment, and update the scope of the PreStage Enrollment to include a test Mac.

1. Select Computers > PreStage Enrollments.



2. For testing purposes, click New.



3. In the Display Name field, enter a descriptive name such as **DEPNotify with jamfadmin management account**.

Computer DereStage Enrollment						
Options Scope						
General	>	General				
Account Settings		DISPLAY NAME Display name for the PreStage enrollment DEPNotify with jamfadmin management account				



- 4. In the Support Number and Support Email Address fields enter information appropriate for your organization.
- 5. For the purposes of this guide use the following settings:
  - A. Select "Make MDM Profile Mandatory."
  - B. Deselect "Allow MDM Profile Removal."
  - C. Click All to hide all Setup Assistant screens.
  - D. Deselect the Location Services checkbox.

Computers >> PreStage Enrollments >> New Computer PreStage Enrollment

General	> 555-1212
Account Settings	SUPPORT EMAIL ADDRESS Support email address for the organization support@pretendco.com
Configuration Profiles 0 Profiles	DEPARTMENT Department to associate with the PreStage enrollment
User and Location	Require Authentication Require the user to provide username and password on computers with macOS v1010 or later
Purchasing	Make MDM Profile Mandatory Require the user to apply the MDM profile Allow MDM Profile Removal
Attachments 0 Attachments	Allow the user to remove the MDM profile Setup Assistant Options Selected items are not displayed in the Setup Assistant during enrollment
Certificates	
nrollment Packages Packages	Transfer Information
	✓ Apple ID
	Cancel Save

- 6. In the left column, click Account Settings.
- 7. Click Configure.
- 8. Under Local User Account Type, select "Skip Account Creation." This step is just to decrease the number of steps required to test the solution.

Options Scope	
General	Account Settings
Account Settings	> Management Account Local administrator account to use for managing computers enrolled via user-initiated enrollment ACCOUNT USERNAME
Configuration Profiles 0 Profiles	jamfadmin
User and Location	Edit the management account via the User-Initiated Enrollment settings  Create an additional local administrator account  Arithmed local admi
Purchasing	Local User Account Type Type of user account to create during enrolment
Attachments 0 Attachments	Administrator Account
Certificates	Make the user a standard user on the computer      Skip Account Creation      The user will not create a local user account:
Enrollment Packages	



- 9. In the left column, click Enrollment Packages.
- 10. Click Configure.

Computers >> PreStage Enrollments >> New Computer PreStage Enrollment	
Options Scope	
👔 General	
Account Settings	
Configuration Profiles 0 Profiles	🚔 Configure Enrollment
User and Location	Packages
Purchasing	Use this section to add an enrollment package to the PreStage enrollment.
C Attachments	Configure
Certificates	
Enrollment Packages > 0 Packages	

11. Next to your depnotify-with-installers package (the package you recently created to install DEPNotify and the related scripts and daemons), click Add.

Options Scope			
General	Packages		Packages Settings
	NAME	CATEGORY	
Account Settings	depnotify-with-installers.pkg	_Enrollment	Add
Configuration Profiles	Firefox.pkg	Browsers	Add
gr offonies	Google Chrome.pkg	Browsers	Add
User and Location			Cancel
Purchasing			
Attachments 0 Attachments			
Certificates			
Enrollment Packages 0 Packages	>		



12. Click the Scope tab.

Com Ne	w Computer PreStage	Enrollment
o	ptions Scope	
1	General	Enrollment Packages
1	Account Settings	depnotify-with-installers.pkg
\$\$ \$	Configuration Profiles 0 Profiles	
	User and Location	
٥	Purchasing	
Ø	Attachments 0 Attachments	
<b>.</b>	Certificates	
Ş	Enrollment Packages > 1 Package	
		Cancel Save

13. Select the checkbox for a test computer to assign this PreStage Enrollment to use.

Computers >	PreStage Enrollments	ge Enrollment			
Options	Scope				
Q	1 - 1 of 1				
	DEVICE	SERIAL NUMBER	MODEL	DESCRIP ASSE	T T PRESTAGE ENROLLMENT S
		C02	MBP 15.4 SG/2.6GH Z/16GB/R P560X/1T B-USA	MBP 15.4 SG/2.6GH Z/16GB/R P560X/1T B-USA	Unassigned

-	1 •	•	Show:	1,000 🔻	Cance	le	Save	)



- 14. Click Save.
- 15. At the notification that this may take extra time, click Save.



16. Confirm your work and click Done. Don't worry if you see the "Information out of date. Awaiting new sync" message.

Computers > Prestage Enrollments > DEPNotify with jamfadmin management account						
Infor	mation out of date. A	waiting next sync				
Options	Scope					
Q Filter Re	1 - 1 of 1					
	DEVICE	SERIAL NUMBER	MODEL	DESCRIP	ASSET T	PRESTAGE ENROLLMENT S
$\checkmark$		CC	MBP 15.4 SG/2.6GH Z/16GB/R P560X/1T B-USA	MBP 15.4 SG/2.6GH Z/16GB/R P560X/1T B-USA		Unassigned



### Confirm that any policies you want DEPNotify to run have custom triggers

This guide uses two policies for illustration, each with a custom trigger for DEPNotify to run, and does not include directions to create these example policies.

1. In the upper-left corner of the Jamf Pro web admin portal, click Computers.

- 2. In the sidebar click Policies.
- 3. Make a note of the custom trigger for each policy you want DEPNotify to run.





Download and modify the script that starts DEPNotify, and store it as a script in Jamf Pro.

1. In a web browser, visit https://github.com/jamf/DEPNotify-Starter.



2. In the list of files, click the depnotify.sh script.

75 commits	¥ 2 branches	$\bigcirc$ 7 releases	3 contributors	a <u>ٹ</u> ة MIT
Branch: master - New pull reques	t			Find File Clone or download
& kbareis Merge pull request #19 fro	m homebysix/patch-1			Latest commit 6d267c6 on Feb 1
.github/ISSUE_TEMPLATE	Update issue ter	nplates		8 months ago
🖿 example-img	Documentation (	update		8 months ago
🖿 example-video	Documentation	update		8 months ago
.gitignore	Additional clean	up and new options		8 months ago
CHANGELOG.md	Update CHANGE	LOG.md		5 months ago
CONTRIBUTORS.md	Documentation	update		8 months ago
	Initial commit			11 months ago
README.md	Merge pull reque	est #11 from jamf/develop-2.0	0-fgd-changes	6 months ago
RELEASES.md	Update RELEAS	ES.md		5 months age
depNotify.sh	Minor spelling co	prrection		4 months ago
depNotifyReset.sh	Added depNotify	/Reset.sh		5 months ago
README.md				

Template bash script to start DEPNotify and run Policies during enrollment with Jamf. App installer, source code, and full product documentation can be found at: https://gitlab.com/Mactroll/DEPNotify



#### 3. Click Raw.





- 4. Press Command-A to select all.
- 5. Press Command-C to copy the selected text.
- 6. You can close the web browser page or tab.
- 7. Open a text editor like BBedit; it's not recommended to use TextEdit.
- 8. If necessary, create a new text document.
- 9. Press Command-V to paste the copied text into the new document.
- 10. Edit the document to meet the needs of your organization; pay attention to lines that refer to "Organization" - and include a phone number.

•		depNotify.sh
₽	~/Desk	top/depNotify.sh 🗸 👘 🖡 📗
	44	
	45	# General Appearance
	46	
	47	# Flag the app to open fullscreen or as a window
	48	FULLSCREEN=false # Set variable to true or false
	49	
	50	# Banner image can be 600px wide by 100px high. Images will be scaled to fit
	51	# If this variable is left blank, the generic image will appear. If using custom S
	52	# Service branding, please see the Customized Self Service Branding area below
	53	BANNER_IMAGE_PATH="/Applications/Self Service.app/Contents/Resources/AppIcon.icn
	54	
	55	# Main heading that will be displayed under the image
	56	# If this variable is left blank, the generic banner will appear
	57	BANNER_TITLE="Welcome to Organization"
	58	
	59	# Paragraph text that will display under the main heading. For a new line, use (n
	60	# it this variable is left blank, the generic message will appear. Leave single
	61	# quotes below as double quotes will bleak the new lines.
	62	THEN TEXT - manks for choosing a mac at organization: we want you to have a rew
	64	# Initial Start Status text that shows as things are firing up
	65	INITAL START STATUS="Initial Configuration Starting"
	66	
	67	# Text that will display in the progress bar
	68	INSTALL_COMPLETE_TEXT="Configuration Complete!"
	69	
	70	# Complete messaging to the end user can ether be a button at the bottom of the
	71	# app with a modification to the main window text or a dropdown alert box. Default
	72	# value set to false and will use buttons instead of dropdown messages.
	73	COMPLETE_METHOD_DROPDOWN_ALERT=false # Set variable to true or false
	74	
	75	# Script designed to automatically logout user to start Filevault process if
	76	# Option for drandown plant hav
	77	EV ALERT TEXT-"Your Mac must logout to start the encryption process. You will
	78	# Ontions if not using drondown alert hoy
	79	EV COMPLETE MAIN TEXT= Your Mac must logout to start the encryption process. Y
	81	FV COMPLETE BUTTON TEXT="Logout"
	82	
	83	# Text that will display inside the alert once policies have finished
	84	# Option for dropdown alert box
	85	COMPLETE_ALERT_TEXT="Your Mac is now finished with initial setup and configura
	86	# Options if not using dropdown alert box
	87	COMPLETE_MAIN_TEXT='Your Mac is now finished with initial setup and configurat

L: 57 C: 28 Unix Shell Script - Unicode (UTF-8, with BOM) - Unix (LF) - 🛍 🛅 12 / 1 / 0 100% -



- 11. Scroll to the POLICY\_ARRAY section of the script.
- 12. Remove any entries that you don't want DEPNotify to run. The original DEPNotify.sh script has many examples, and you have to have a policy with a custom trigger for each line in POLICY\_ARRAY.
- 13. Add an entry to trigger the policy that uninstalls the installation script and LaunchDaemon (you have not yet created this policy). This guide uses the description: **Preparing for the next login** as the description to display, and the trigger: **uninstall-depnotify-installers**.

•		depNotify.sh
₽	~/Desk	top/depNotify.sh 🗸 👘 👘 👘
1	L26	# If this variable is left blank, the generic message will appear. Leave single
1	L27	# quotes below as double quotes will break the new lines.
1	128	ERROR_MAIN_TEXT='We are sorry that you are experiencing this inconvenience with
1	129	a first state of the last of the last state of t
1	130	# Error status message that is displayed under the progress bar
1	131	ERROR_STATOS= Secup Falled
1	32	
1	34	# Policy Variable to Modify
1	35	*******
1	136	# The policy array must be formatted "Progress Bar text,customTrigger". These will
1	137	# run in order as they appear below.
1	138	POLICY_ARRAY=(
1	139	"Installing Google Chrome, install-chrome"
1	40	"Installing Firefox, install-firefox"
1	41	"Preparing for the next login, uninstall-depnotify-installers"
1	L42	)
1	L43	
1	44	+ Coffeinate / No Sleen Configuration
1	45	
1	40	# Flag script to keep the computer from sleeping. BE VERY CAREFUL WITH THIS FLAG!
1	48	# This flag could expose your data to risk by leaving an unlocked computer wide op
1	49	# Only recommended if you are using fullscreen mode and have a logout taking place
1	150	# the end of configuration (like for FileVault). Some folks may use this in workfl
1	151	# where IT staff are the primary people setting up the device. The device will be
1	152	<pre># allowed to sleep again once the DEPNotify app is quit as caffeinate is looking</pre>
1	L53	# at DEPNotify's process ID.
1	154	NO_SLEEP=false
1	155	
1	156	+ Customized Colf Service Pronding
1	157	
1	159	# Flag for using the custom branding icon from Self Service and lamf Pro
1	60	# This will override the banner image specified above. If you have changed the
1	161	# name of Self Service, make sure to modify the Self Service name below.
1	62	# Please note, custom branding is downloaded from Jamf Pro after Self Service has
1	L63	# at least one time. The script is designed to wait until the files have been down
1	L64	# This could take a few minutes depending on server and network resources.
1	L65	SELF_SERVICE_CUSTOM_BRANDING=false # Set variable to true or false
1	L66	
1	L67	# It using a name other than Self Service with Custom branding. Change the
1	168	<pre># name with the SELF_SERVICE_APP_NAME variable below. Keep .app on the end SELE SEDVICE ADD NAME_"Colf Service app"</pre>
1	169	SELL_SERVICE_ALL_MAME= SELL SELAICE.abb

L: 141 C: 66 Unix Shell Script - Unicode (UTF-8, with BOM) - Unix (LF) - 🖬 🕒 41,032 / 4,375 / 792



- 14. Press Command-A to select all.
- 15. Press Command-C to copy the selected text.
- 16. You can save the script somewhere in your home folder for future reference.
- 17. If necessary, log in to your Jamf Pro web interface.
- 18. Navigate to Settings > Computer Management > Scripts.
- 19. Click New.
- 20. In the Display Name field, enter a name like depNotify.sh.
- 21. Optionally click the Category menu and choose an appropriate category.
- 22. Optionally, in the Information field, enter the information your organization routinely places in the Information field.
- 23. Optionally, in the Notes field, enter the URL for the Jamf github page for this script.
- 24. Click the Script tab.
- 25. Click the Default Mode menu and choose Shell.
- 26. Click somewhere inside the Script Contents field, then Press Command-V to paste the contents of your modified script into the field.

		arekdreyer.jamfcloud.com	n/view/settings/computer/scripts/14?top-tabs=script	Ċ			۵	0 +
Zijamf   PRO	Settings > Computer	Management → Scripts →		Full Ja	amf Pro 🗠	2	4	¢
Computers Devices Users	depNotify.sh							
VERSION 10.13.0-11559772983 MANAGED	General Scrip	pt Options Limitations —						
Computers: 1 Mobile Devices: 1	Shell 💌	Default Theme 🔻			-T T*	~ (	Comman	nds
UNMANASED Computers: 0 Mobile Devices: 1	<pre>1 #1/bin/bas 2 # Version 3 4 #Version 3 5 # License 6 ######## 7 # Copyrigh 9 # Permissi 1 # software 1 # software 1 # software 1 # the soft 1 # The soft 1 # The soft 1 # The soft 1 # Fine soft</pre>	h -x 2.0.1 information t 2018 Jamf Professional on is hereby granted, fr and sascolided documents and sascolided documents distribute, sublicense, the software is furnished e copyright notice and th ial portions of the Soft MARE IS PROVIDED 'ASIG' G BUT NOT LIMITED TO THE ADD NONINFERMEMENT. IN CLAIM, DAMAGES OR OTHER I C. ANISNO FORM, OUT OF U	<pre>services ee of charge, to any person obt and/or sell copies of the Software', to and/or sell copies of the Soft d to do so, subject to the foll his permission notice shall be ware. WARRANTIES OF MERCHANTABILITY, WARRANTIES OF MERCHANTABILITY, CLABLLITY, WHETHER IN AN ACTION OF NO CONNECTION WITH THE SOFTW </pre>	<pre>state of the second secon</pre>	s			
Collapse Menu					C	Cancel	) (sa	ave

#### 27. Click Save.



# Create a policy that calls the DEPNotify.sh script you just created (which starts the DEPNotify app)

- 1. In the upper-left corner of the Jamf Pro web admin portal, click Computers.
- 2. In the sidebar click Policies.
- 3. In the upper-right corner click New.
- 4. In the Display Name field, enter something like Start DEPNotify.
- 5. Optionally click the Category menu and choose an appropriate category.
- 6. In the Trigger section, select the checkbox "Custom."
- 7. In the Custom Event field, enter the custom trigger name. This guide uses the trigger name "**start-depnotify**" in the postinstall script.

••• • • •		A arekdreyer,jamfdoud.com/policies.htm?fid=180=c C +
🏜 jamf 🛛 PRO		Full Jamf Pro - <u>D</u> 🗲 🔅
Computers Devices Users	Computers > Policies > New Policy	
INVENTORY	Options Scope Self Service	User Interaction
C Search Inventory	General >	When a conguler starts up. A startup script that checks for policies must be compared in Jami Pro for this to work  Login
Q. Licensed Software	Packages 0 Packages	vome a user logs in to a computer. A login hook that checks to policies must be computed in Jumi Pro to this to work      Cogoot      When a user logs out of a computer. A login hook that checks for policies must be configured in Jumi Pro to this to work
Policies     Configuration Profiles	Software Updates Not Configured	Network State Change When a computer's methods state changes (e.g., when the network connection changes, when the computer name changes, when the P address changes)
<ul> <li>Restricted Software</li> <li>PreStage Imaging</li> </ul>	Scripts O Scripts	Enrollment Complete     Immediately after a computer completes the enrolment process
A Mac App Store Apps  A Patch Management	Printers 0 Printers	Recurring Checkvin frequency configured in Jamf Pro
<b>eBooks</b> groups	Disk Encryption Not Configured	At a custom event CUSTOM EVENT Custom event to use to initiate the policy. For an iBeacon region change event, use "beaconStateChange"
Smart Computer Groups	Dock Items 0 Dock Items	start-depnotify EXECUTION FREQUENCY At which to run the policy
ເດັ່ງ Classes	Local Accounts 0 Accounts	Once per computer
Collapse Menu	1. Hereinertert Accounts	Taktest between the most to the me body is a module seventier. The bad young of the bod dween Cancel Save

- 8. In the left column, click Scripts.
- 9. Click Configure.
- 10. Next to the depNotify.sh script you just added in the previous section, click Add.

Computers → Policies → New Policy			
Options Scope Self Service	User Interaction		
[] General	Scripts		Scripts Settings
	NAME	CATEGORY	
Packages 0 Packages	depNotify.sh	Enrollment	Add



- 11. Click the Scope tab.
- 12. Click the Target Computers menu and choose All Computers. Note: You might be tempted to scope this to a Smart Computer Group that uses the criteria of "Enrollment Method: PreStage enrollment", but it's safer to just scope it to All Computers, and leave the custom trigger to be only the trigger.

Options Scope Self Service User In	teraction	
Targets	Limitations	Exclusions
TARGET COMPUTERS Computers to deploy the policy to All Computers	TARGET USERS Users to deploy the policy to Specific Users	
Selected Deployment Targets		+ Add
TARGET	ТҮРЕ	
No Targets		

Cancel

- 13. Click Save.
- 14. Click Done to return to the list of policies



Create the policy to run the script that removes the installation script and LaunchDaemon in a web browser, and is triggered with a custom policy trigger at the end of the DEPNotify starter script

- 1. If you aren't already viewing the list of policies, in the upper-left corner of the Jamf Pro web admin portal, click Computers, then in the sidebar click Policies.
- 2. In the upper-right corner click New.
- 3. In the Display Name field, enter something like Uninstall DEPNotify Installers.
- 4. Optionally click the Category menu and choose an appropriate category.
- 5. In the Trigger section, select the checkbox "Custom."
- 6. In the Custom Event field, enter the custom trigger name. This guide uses the trigger name "uninstall-depnotify-installers" as an example.

Computers > Policies > New Policy		
Options Scope	Self Service	User Interaction
General	>	Custom At a custom event
Packages 0 Packages		CUSTOM EVENT Custom event to use to initiate the policy. For an iBeacon region change event, use "beaconStateChange" uninstall-depnotify-installers

- 6. In the left column, click Files and Processes.
- 7. Click Configure.
- 8. Scroll down to the Execute Command field.
- 9. In the Execute Command field, enter the path to the uninstaller script that gets created:

/bin/zsh /usr/local/depnotify-with-installers/com.arekdreyer.DEPNotify-prestarter-uninstaller.zsh

Computers > Policies > New Policy	
Options Scope Self Serv	ice User Interaction
Local Accounts 0 Accounts	SEARCH FOR FILE BY FILENAME Name of the file, including the file extension. This field is case-sensitive and returns partial matches
Management Accounts Not Configured	Update "locate" database
Directory Bindings 0 Bindings	Update the "locate" database before searching for the file SEARCH FOR FILE USING SPOTLIGHT File to search for. This field is not case-sensitive and returns partial matches
Not Configured	SEARCH FOR PROCESS: Name of the process. This field is case-sensitive and returns partial matches
Restart Options Configured	Kill process if found
Not Configured	This works with exact matches only  EXECUTE COMMAND Command to execute on computers. This command is executed as the "root" user
Files and Processes >     Configured	/bin/zsh /usr/local/depnotify-with-installers/com.arekdreyer.DEPNotify-prestarter-uninstaller.zsh



- 10. Click the Scope tab.
- 11. Click the Target Computers menu and choose All Computers.
- 12. Click Save.
- 13. Click Done to return to the list of policies.
- 14. Confirm that your policies are listed.

Polic	ters >>			
$\bigcirc$	Browsers			
$\triangleright$	Install Google Chrome	Ongoing	install-chrome	All computers
$\bigcirc$	Install Firefox	Ongoing	install-firefox	All computers
$\bigcirc$	Enrollment			
$\bigcirc$	Uninstall DEPNotify Installers	Once per computer	uninstall-depnotify-installers	All computers
$\bigcirc$	Start DEPNotify	Once per computer	start-depnotify	All computers



### Test it out

- 1. Turn on a Mac with a fresh installation of macOS.
- 2. Since you're testing, consider making a Time Machine local snapshot that you can restore from with macOS Recovery before you connect your test Mac to any network (See this <u>blog</u> entry for more information, but basically press Control-Option-Command-T to open Terminal then run **tmutil localsnapshot** to create the Time Machine local snapshot, which will automatically be deleted after 24 hours, and will not be useful for this testing after you turn on FileVault).
- 3. If necessary, choose your language then click the Right Arrow to continue.
- 4. In the Welcome screen, choose your country or region and click Continue.
- 5. Select your keyboard and click Continue.
- 6. If you're not using Ethernet, join a Wi-Fi network and click Continue.
- 7. In the Remote Management screen, click Continue.
- 8. Wait a few moments.

Optional: Select the checkbox "Set time zone automatically using current location" then click Turn On Location Services.

- 9. In the Select Your Time Zone screen, click Continue.
- 10. In the login window, log in with your Jamf management account.
- 11. If your DEPNotify.sh script makes you log out, log out, then log back in again.
- 12. In /var/log/jamf.log, look for the following:
  - Checking for policies triggered by "start-depnotify" (or whatever custom trigger name you used) for user "\_mbsetupuser"...
  - Checking for policies triggered by "uninstall-depnotify-installers" (or whatever custom trigger name you used) for user "[the user you logged in as]"...
- 13. /var/tmp/com.arekdreyer.DEPNotify-prestarter-installer.zsh.err is empty unless there's an error.
- 14. In /var/tmp/com.arekdreyer.DEPNotify-prestarter-installer.zsh.err look for the following:
  - Waiting for jamf log to appear (repeated)
  - Waiting for jamf enrollment to be complete (repeated)
  - Checking for policies triggered by "start-depnotify" (or whatever custom trigger name you used) for user "\_mbsetupuser"...
  - Executing Policy Start DEPNotify
  - Running script depNotify.sh...
  - Script exit code: 0
  - Script result: [verbose script results]
  - Submitting log to [the URL for your Jamf Pro instance]
- 15. /var/tmp/depnotify.log contains the commands that the depNotify.sh script sent, which caused DEPNotify to take specific actions.
- 16. /var/tmp/depnotifyDebug.log contains information about waiting for Setup Assistant to exit, waiting for Finder to be active, and depending on your configuration, waiting for the user to agree to your End User License Agreement, or to click Continue.

If you need to address any issues, like updating a typo in a custom trigger name, either start your test Mac from macOS Recovery and restore from your Time Machine local snapshot, or reinstall macOS on your Mac and try again.

You've reached the end of this guide, we hope it was helpful. Feel free to continue the discussion in the #depnotify channel of the macadmins.org Slack instance, which is free for anyone who agrees to the code of conduct.