Jamf CONNECT okta

How to Configure Jamf Connect with Okta



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Preface

The purpose of this guide is to provide a workflow for Mac administrators to deploy Jamf Connect using Okta as the Identity Provider (IdP). This guide will cover a myriad of topics such as installing, customizing, and deploying Jamf Connect with Okta. Sections 9 - 11 of this guide are optional and cover configuring Jamf Connect Notify and Jamf Unlock.

Items required to follow along with this guide:

- Administrative access to your Okta web portal. If you don't have Okta and would like to following along, get an Okta developer account here: https://developer.okta.com/signup/
- Jamf Connect You can download a trial here: http://jamf.it/JCDownload
- Administrative access to your Jamf Pro server.
- Administrative access to your Apple Business / School Manager portal.
- JC_Okta_Files These are sample files that we use in the guide. Download them here: https://hcsonline.com/images/Apps/JC_Okta_Files.zip

This guide was written and tested using the following:

- Jamf Connect 2.14.0
- Jamf Connect Configuration app 2.14.0
- Jamf Unlock 1.4.0 iOS App
- Jamf Pro Cloud Hosted Server 10.40.1
- Composer 10.40.1
- Okta Verify 7.8.0 iOS App used for Okta multi factor authentication
- Okta Server A development server was used to write this guide
- macOS Monterey 12.5.1 running on a MacBook Air with an M1 processor
- iOS 15.6.1 running on an iPhone 12

Assumptions:

- Your Jamf Pro server is already tied into Apple Business / School Manger for Automated Device Enrollment and Volume Purchasing.
- The Jamf Unlock app is already assigned to your Jamf Pro Server via Apps & Books from Apple Business / School Manager.
- We will NOT cover configuring the above items so please have them in place before you begin.
- For more Information on Integrating Apple Business Manager/Apple School Manager, please go to the links below:

https://docs.jamf.com/jamf-pro/documentation/Volume_Purchasing_Integration.html?hl=apple %2Cbusiness%2Cmanager

https://docs.jamf.com/10.41.0/jamf-pro/documentation/Automated_Device_Enrollment_ Integration.html

This guide would not be possible without the support and guidance from the following people:

- Adam Karneboge
- Craig Cohen
- Daniel Allen
- Erin McDonald
- Richard Goon
- Sean Rabbitt
- William Smith



Section 1: Authenticate to Okta using the Jamf Connect Configuration App

Requirements for following along with this section:

- A Mac computer running macOS 10.15.4 or later. This guide will use macOS Monterey 12.5.1
- Jamf Connect installer DMG. This guide will use version 2.14.0
- The URL of your Okta server with an account you can use for testing login credentials.
- The Okta Verify app installed on your phone for MFA.

In this lesson we will configure the Jamf Connect Configuration App to use the Okta IDP with a few basic settings. Jamf Connect authenticates Okta users directly to your domain using Okta's authentication API, you do not need to perform any additional tasks in the Okta admin console to enable authentication and password syncing. This section will show you how easy it is to test connectivity to Okta using only your Okta URL and the Jamf Connect Configuration App.

Okta also supports OpenID Connect. OpenID Connect app integrations are only required to do the following:

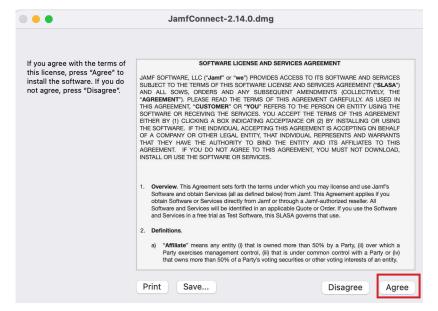
- Configuring local role assignment—You can determine if users are created with standard or administrator local accounts with Jamf Connect by creating different app integrations in Okta for standard users and administrators. You can then assign users to each app in Okta, and Jamf Connect uses the user's app assignment to create the correct local account type.
- Deploying Jamf Unlock—The Jamf Unlock app only uses the OpenID Connect authentication protocol to authenticate users during the pairing process.

NOTE: We will cover configuring Okta app integrations for role based user assignment in the next section of this guide.

1. Double click the JamfConnect-2.14.0 dmg.



2. Click Agree.





3. Drag the Jamf Connect Configuration App to your Applications folder. Open the app when done.



4. Follow these steps:

- A. Click the Identity Provider tab
- B. Name the configuration Jamf Connect Okta
- C. Identity Provider: Okta
- D. Auth Server: Enter the URL for your organizations Okta server
- F Click Test and select Okt

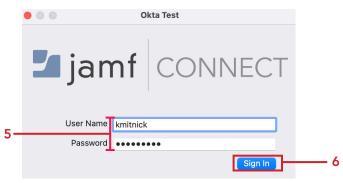
Jamf Connect C	onnguration	Connect Connect	_
3/31/2022	Required		
	Identity Provider:	Okta	<u> </u>
	Auth Server:		— D
	Okta		
	OIDC Auth Server:	aus8o8wzjhckw9TLa0t8q	
	Admin Client ID:	c3cd02d8-38e5-43ae-91e9-bc40bd2cbdd2	
	Access Client ID:	0oa0gwese54gn3y900h4	
	Secondary Login Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23	
	Advanced OIDC		
	OpenID Connect Scopes:	openid+profile+offline_access	
	Token Caching:	Ignore cookies	
	ROPG Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23	
	OIDC Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23	
	Client Secret:	JCCyfVL7YWtP6gudLljbRZV_N0dW4f3xETilxqtokEAZ6FAsBtgylq0MpU1uQ7Jid	
	Tenant:	login.myidp.com/c27d1b33-59b3-4ab2-a5c9-23jf0093	
	OIDC Redirect URI:	https://127.0.0.1/jamfconnect	
	Discourse UDI	https://identity-provider-example-address.com/.well-known/openid-configuration	

+ - •

d D



- 5. Enter your Okta account credentials
- 6. Click Sign In.



7. If you have MFA enabled in your Okta environment, you will be greeted with the message below. Select the option that applies to you. This guide will use push and an alert will be sent to the Okta verify app on your phone.

Choose MFA factor from the list.	
push	
OKTA token:software:totp	
Select	

8. You have 30 seconds to accept the push message on your phone.

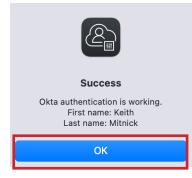
You have 30 sec prompt in OKTA			
	-		
Retry	С	ancel	



9. Tap Yes, It's me on your phone.

5	:07	ad	? ■			
	ok	ta				
	Did You Just	Fry to Sign Ir	1?			
1	Bay Shore, New Y United States More Info	′ork,				
	MAC_OS_X					
	UNRECOGNIZED DE	EVICE				
0	Just now					
	Yes, It's Me	No, It's Not	Ме			

10. If authentication was successful, you will see the message below. Click OK.



That is all you need to configure Okta with Jamf Connect for basic authentication settings. We will cover configuring role based user assignment and enabling MFA in Okta in the next section of this guide.

This completes this section.



Section 2: Configure App Integrations, User Groups, and MFA in Okta

This section covers App Integration, role based user assignment with groups, and enabling MFA in Okta. If you are NOT interested in assigning user permissions based on their roles in Okta or enabling MFA, you can skip this section as it's NOT a requirement to use Okta with Jamf Connect. If you plan on using the Jamf Unlock app, that will use the OpenID Connect authentication protocol to authenticate users during the pairing process so you would need to complete this section if using Jamf Unlock.

Requirements for following along with this section:

- Administrative access to your Okta domain.
- Okta Verify app installed on your phone for MFA

Okta communicates with its own API and authenticates users directly to your Okta domain. The applications we will configure in this section are used to separate administrative users from standard users in Okta. Once configured, you can create, demote or promote users on macOS using the role assignment of the users account in Okta. We will also configure MFA for all Okta users. To follow along with the MFA section of this guide, you will need to download the Okta Verify app to your phone so you can approve the MFA messages.

NOTE: This guide will not cover setting up Okta verify on your device as it's available for multiple device types and operating systems. The link below will cover setting up Okta verify based on the operating system and device type you are using.

https://help.okta.com/eu/en-us/Content/Topics/end-user/ov-overview.htm?cshid=csh-user-ov-overview

What is an App Integration?

App Integration is the process of connecting disparate software applications in order to combine data, share workflows, and communicate in real-time. In this section, we will create two Okta App Integrations for use with Jamf Connect.

1. Using a web browser of your choice, sign in to Okta using your administrative credentials.

ok	cta.
Sig	gn In
Username	
Password	
Remember me	
Sig	gn In
Need help signing in?	



2. Expand Applications and click Applications.

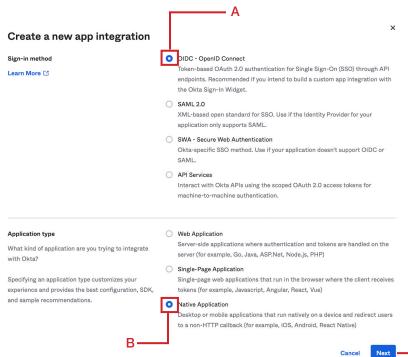
okta	
Dashboard	~
Directory	~
Customizations	~
Applications	^
Applications	

3. Click Create App Integration.

HAPPlications

Developer Edition provides a limited number of apps.						
Deactivate unused apps or	check out our plans page. C	Contact us to find a plan tha	t is right for your organization.			
Create App Integration	Browse App Catalog	Assign Users to App	More v			

- 4. Configure the following:
 - A. In the section, Sign-in method, select $\ensuremath{\mathsf{OIDC}}$ $\ensuremath{\mathsf{OpenID}}$ Connect
 - B. In the section, Application type, select Native Application
 - C. Click Next



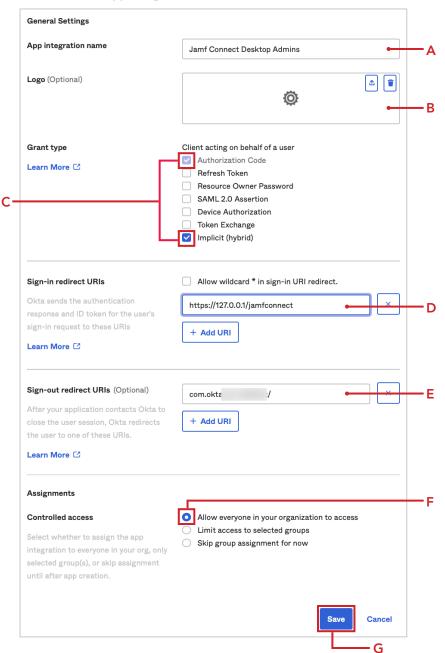
- C



5. Configure the following:

- A. App Integration Name: Jamf Connect Desktop Admins
- B. Logo: This is optional
- C. Grant type: Enable Authorization Code and Implicit (Hybrid)
- D. Sign-in redirect URIs: https://127.0.0.1/jamfconnect (NOTE This is case sensitive)
- E. Sign-out redirect URIs: Use default settings
- F. Assignments: Allow everyone in your organization to access
- G. Click Save

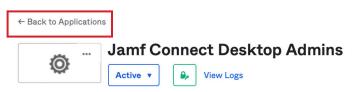
NOTE: For item D in the list above, you have the option of redirecting to macOS which will use https://127.0.0.1/jamfconnect or you can choose to use the Jamf Unlock iOS app for authentication which will redirect to jamfunlock://callback/auth. This guide will use the macOS redirection.



Rew Native App Integration



6. Click Back to Applications.



7. Click Create App Integration.

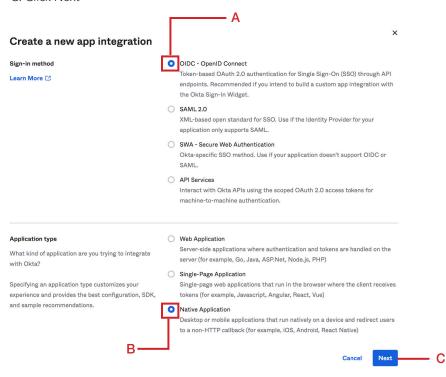
Applications

Developer Edition provides a limited number of apps.						
Deactivate unused apps or check out our plans page. Contact us to find a plan that is right for your organization.						
Create App Integration	Browse App Catalog	Assign Users to App More 🔻				

8. Configure the following:

A. In the section, Sign-in method, select the radio button for OIDC - OpenID Connect B. In the section, Application type, select the radio button for Native Application

C. Click Next



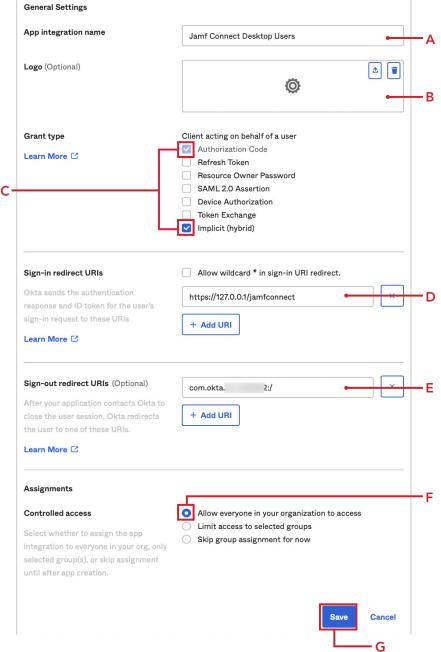


9. Enter the following:

- A. App Integration Name: Jamf Connect Desktop Users
- B. Logo: This is optional
- C. Grant type allowed: Enable Authorization Code and Implicit (Hybrid)
- D. Sign-in redirect URIs: https://127.0.0.1/jamfconnect
- E. Sign-out redirect URIs: Use default settings
- F. Assignments: Allow everyone in your organization to access
- G. Click Save

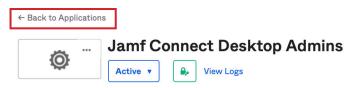
NOTE: For item D in the list above, you have the option of redirecting to macOS which will use https://127.0.0.1/jamfconnect or you can choose to use the Jamf Unlock iOS app for authentication which will redirect to jamfunlock://callback/auth. This guide will use the macOS redirection.

New Native App Integration





10. Click Back to Applications.



11. Click Jamf Connect Desktop Admins.

Application	S			Help
	•		imited number of apps. Contact us to find a plan that is right for your organization.	
Create App Integration	Browse Ap	p Catalog	Assign Users to App More v	
Q Search				
STATUS		٥	Jamf Connect Desktop Admins Client ID: Oo: npZPP4×7	0 v
ACTIVE	2 0	Ø	Jamf Connect Desktop Users Client ID: Ooa 'eJs4×7	0 v

- 12. Click Assignments
- 13. Click Groups.

	©	Jamf Connect Desktop Admins	12
	General Sign O	n Mobile Assignments Okta API Scopes	
	Assign v	Convert assignments V	Groups v
	Filters	Priority Assignment	
	People	1 Everyone	/ ×
13—	Groups	All users in your organization	

14. Click Assign and select Assign to Groups.

General		Sig	n On	Mobile
	Assign	1 🔻	Con	vert assig
Fi	Assign	to Pe	ople	_
P	Assign	to Gro	oups	-



15. Select your administrators group. This guide will select HCS Administrators. Click Assign.

Q :	Search	
0	HCS Administrators HCS Administrators	Assign
0	HCS Users HCS Users	Assign

Assign Jamf Connect Desktop Admins to Groupš

16. Click Done.

Assign Jamf Connect Desktop Admins to Groupš

Q :	Search	
0	HCS Administrators HCS Administrators	Assigned
0	HCS Users HCS Users	Assign



17. Remove the Everyone group.

Jamf Connect Desktop Admins Active View Logs						
General S	ign On Mobile	Assignments Okta API	Scopes	Groups V		
Filters		ssignment				
People Groups	1	Everyone All users in your organization		×		
	2	HCS Administrators		/ ×		



18. Click OK.

Unassign (Group	×					
	Are you sure you want to remove Jamf Connect Desktop Admins from Everyone? This may remov end users' access to or change their permissions in Jamf Connect Desktop Admins.						
	ок	Cancel					
19. Click Back to	Applications.						
← Back to Application	ns						
©	Jamf Connect Desktop Admins						
General Sign (On Mobile Assignments Okta API Scopes						
Assign v	Convert assignments V	oups ▼					
Filters	Priority Assignment						
People Groups	1 HCS Administrators HCS Administrators	× ×					

20. Click Jamf Connect Desktop Users.

Application	ns			🛛 Help
			nited number of apps. Contact us to find a plan that is right for your organization.	
Create App Integration	Browse	App Catalog	Assign Users to App More V	
STATUS		٥	Jamf Connect Desktop Admins Client ID: Ooa ^D P4×7	o +
INACTIVE	2	٥	Jamf Connect Desktop Users Client ID: Ooa 'eJs4×7	o +

- 21. Click Assignments.
- 22. Click Groups.

	©	Jamf Connect Desktop Admins	21
	General Sign	On Mobile Assignments Okta API Scopes	
	Assign v	Convert assignments V Q Search Groups V	
	Filters	Priority Assignment	
	People	1 Everyone	
22—	Groups	All users in your organization	



23. Click Assign and select Assign to Groups.

General	Sig	n On	Mobile
Assign	V	Con	vert assig
Fi Assign	to Pe	ople	_
Pe Assign	to Gro	oups	_

- 24. Assign your administrators and users groups by selecting Assign.
 - NOTE: For the Jamf connect desktop users group, your administrator user group MUST be assigned with your user group.

Assign Jamf Connect Desktop Users to Groups $^{ imes}$

Q	Search	
0	HCS Administrators HCS Administrators	Assign
0	HCS Users HCS Users	Assign

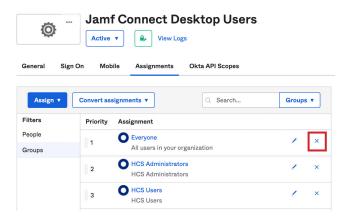
25. Click Done.

Assign Ja	mf Connect	Desktop	Users to	Groups ×
/ Solgii ou		Doontop	00010 10	aroupo

۹.	Search	
0	HCS Administrators HCS Administrators	Assigned
0	HCS Users HCS Users	Assigned

Done

26. Remove the Everyone group.





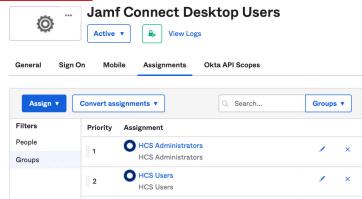
27. Click OK.

28.

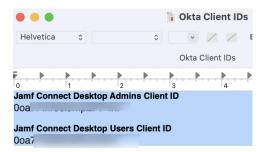
Unassign Group

Are you sure you want to remove Jamf Connect Desktop Users from Everyone? This may remove end users' access to or change their permissions in Jamf Connect Desktop Users.

			ок	Cancel
Click Back to Appl	ications.			
← Back to Applications				



29. Open a text editor of your choice and save each client ID. Name the file Okta Client IDs. We will need these ID's in a later section of this guide.



The next steps in this section are to enable MFA for all Okta users. These steps are optional so feel free to move on if MFA is not needed in your organization.

NOTE: If you want to enable multi-factor authentication (MFA) for users, you must enable MFA at the organization level rather than the app level. Enabling MFA at the app level is not recommended and may cause errors in Jamf Connect. Jamf Connect may allow users with the same username and password to log in to the incorrect local account. To ensure users can only log in to their account, a multi-factor authentication (MFA) method is recommended. Jamf does not accept any responsibility or liability for any damages or security exploitations due to identically provisioned account credentials.

What is MFA?

Multi-factor Authentication (MFA) is an authentication method that requires the user to provide two or more verification factors to gain access to a resource such as an application, online account, or a VPN. MFA is a core component of a strong identity and access management policy. Okta has an app called Okta Verify that can be used for MFA on your mobile device.



- 30. On the Okta sidebar menu, expand Security.
- 31. Click Authentication.

okta	
Dashboard	~
Directory	~
Customizations	~
Applications	~
Security	^
General	
HealthInsight	
Authentication	

- 32. Click Sign-on.
- 33. Click Add rule.

	Authentication						Help	
32 ——	Password Sign On Add New Okta Sign-on Policy							
	1 Default Policy	Default	Policy					
		Description	1	The default po applies.	licy applies in a	Il situations if no other	rpolicy	
		Assigned to	o groups	O Everyone				
		Add	rule					33
		Priority	Rule Name	Access	Status	Actions		
		1	Default Rule	Allowed	Active		0	



34. Enter the following:

- A. Rule Name: Okta Verify MFA Jamf Connect
- B. Exclude Users: Exclude Users
- C. Policy Settings: Match what is shown in the picture below.
- D. Multi-factor Authentication (MFA): Select the radio button for Required
- E. Users will be prompted for MFA: Select the radio button for At every sign in
- F. Session expires after: 2 hours
- G. Click Create Rule

NOTE: Feel free to set the items below to the needs of your organization. Items selected below are for simplicity.

Add Rule		
Rule Name	Okta Verify MFA Jamf Connect	·A
Exclude Users	Exclude Users	в
Policy settings		
IF User's IP is	Anywhere v Manage configuration forNetworks	
AND Authenticates via	Any +	
AND Behavior is	Select behavior	·C
AND Risk is	Any -	
THEN Access is	Allowed	
Multifactor authentication (MFA) is	Not required	D
Users will be prompted for MFA	Manage what can be used for MFA inMultifactor At every sign in When signing in with a new device cookie After MFA lifetime expires for the device cookie 	Ε
	Learn more about how MFA is prompted in documentation 🖸	
Session expires after	2 ⊕ Hours ↓ F Create Rule Cancel	



35. Confirm the rule was created and listed as number 1 in the list. If all looks good, you can logout of the Okta portal.

uthen	tication							0
assword	Sign On							
Add New	/ Okta Sign-on Polic	y						
1 Defa	ault Policy	Default	Policy					
		Description		The default p applies.	oolicy applies in al	l situations if no	other policy	
		Assigned to	groups	O Everyone	5			
		Add	ule					
		Priority	Rule Name	Access	Status	Actions		
		1	Okta Verify MFA Jamf Connect	Allowed	Active v	0	× ×	
		2	Default Rule	Allowed	Active		0	

This guide will not cover setting up Okta verify on your device as it's available for multiple operating systems. The link below will cover setting up Okta verify based on the OS and device type you are using. You will need to configure this now for your Okta account to follow along with the rest of this guide if you're using MFA.

https://help.okta.com/eu/en-us/Content/Topics/end-user/ov-overview.htm?cshid=csh-user-ov-overview

This completes this section.



Section 3: Creating a code signing certificate using Jamf Pro's CA

This section will cover creating a code signing certificate using your Jamf Pro server. Requirements for following along with this section:

- A Mac computer running macOS 10.15.4 or later enrolled in your Jamf Pro server.
- Administrative access to your Jamf Pro server.

Why do we need a code signing certificate?

In order to deploy a package using a PreStage enrollment in Jamf Pro, the package must be signed. In the next section of this guide, we will create a custom package with images and scripts that will be used to customize the look of Jamf Connect. This package must be signed in order to deploy it using a PreStage Enrollment in Jamf Pro. If you have your own signing certificate, feel free to use that and skip this section of the guide.

When creating a code signing certificate using your Jamf Pro server, make sure to follow the steps in this section on a Mac computer that is enrolled in Jamf Pro. Failure to do so will result in a code signing certificate that is not trusted.

1. Open Keychain Access located in /Applications/Utilities.



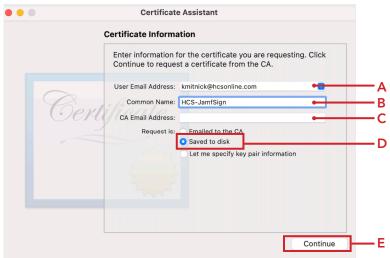
Keychain Access

2. Select Keychain Access > Certificate Assistant > Request a Certificate From a Certificate Authority.

Keychain Access	File	Edit	View	Window	Help			
About Keychain Acc	ess							
Preferences		ж,						
Certificate Assistant	t	>	Oper	ı				
Ticket Viewer		₹жк	Crea	te a Certific	ate			
Services		>		te a Certific te a Certific			Else as a C	Certificate .
Hide Keychain Acce	SS	ЖН	Requ	iest a Certif	icate From	a Certi	ficate Aut	nority

3. Configure the following:

- A. User Email Address: Enter your email address
- B. Common Name: Enter a name of your choosing. This guide will use HCS-JamfSign
- C. CA Email Address: Leave this blank.
- D. Request is: Select the radio button for Saved to Disk.
- E. Click Continue.





- 4. Configure the following:
 - A. Save as: CSR.txt B. Where: Desktop C. Click Save Save As: CSR.txt Tags: Where: Desktop
- 5. Click Done.

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

A

B

С

6. Open the CSR.txt file on your desktop with a text editor of your choice.



7. Copy the entire CSR text.





8. Log into your Jamf Pro Server.

🗖 jamf 🛛 PRO	
USERNAME ex. admin	
PASSWORD	\geq
All contents © 2002-2022 Jamf. All rights reserved.	

- 9. Click Settings (③) in the upper-right corner.
- 10. Click Global Management.
- 11. Click PKI Certificates.

	🗖 jamf 🛛 PRO						ይ	4 😳	9
	Computers Devices Users	နိုင္င်္နဲ All Settings	Global Ma	nagement					
	VERSION 10.40.1-11659581750	System Settings	Categories	Push Certificates	GSX Connection	MDM Profile Settings	PKI Certificates		
10—	MANAGED Computers: 49	Global Management	A			R			
	Mobile Devices: 6	Jamf Applications	Volume Purchasing	User-Initiated Enrollment	Automated Device Enrollment	Apple Education Support	Re-enrollment		
	Computers: 0 Mobile Devices: 0	Self Service	FEB ::0100	S					
		Network Organization	Event Logs	Webhooks	AirPlay Permissions	Conditional Access	Device Compliance		

- 12. Click Management Certificate Template
- 13. Click Create Certificate from CSR.

Certificate Authorities	Management Certificate Template	JSON Web
	Built-in CA	
A Subject Name:	CN=Keith Micha	ael Music LL(



14. Configure the following:

- A. Paste in the CSR text that you copied in step 7.
- B. Certificate Type: Web Server Certificate
- C. Click Create.

L	8CmfNjP
F	
μ	njWARp
ç	
F	JUKP 97R
Li Contra da Con	
k	IdJAOC
C	
e	1GdZ3O
k	
E	_kjyNMzi
>	
4	JZLx1bH
e	
s	TGYOt9
xJ6	
END CERTIFICATE REQUEST	//
Certificate Type Type of certificate to cr	reste
	eare
₩eb Server Certificate 🔹	

15. Click Allow.

NOTE: After downloading the file your web browser may need to be refreshed to properly display things in Jamf Pro.

Do you want to allow downloads on "kmm.jamfcloud.com"?	
You can change which websites can download files ir Websites Preferences.	1
Cancel	Allow

16. The certificate will download to your Downloads folder. Drag the certificate to your Desktop and double-click to open the file.





- 17. From the Keychain menu, select login.
- 18. Click Add.

• • •	Add Certificate	es		
	u want to add the certificat S,CN=HCS-JamfSign,E=km hain?		om.pem" to	
	Keyc	hain: login	• 0 -	- 1
View Certificates		Cancel	Add	— 1

19. In Keychain Access Click your login keychain, you will see the certificate on the right side. Double click on your certificate to see more settings.

•••	Keychain Access		C (i) Q Search	1
Default Keychains	All Items Passwords Secure Notes	My Certificates Keys	Certificates	
🗗 login				
🗗 Local Items	Certificate Kate Source Sourc			
System Keychains				
💼 System Roots	Name	Kind	Date Modified	E
	<pre></pre>	public key		
	<pre>%</pre> <pre>%</pre>	private key		-
	Apple Persistent State Encryption	application password	Jun 7, 2021 at 4:27:44 PN	1 -
	/ com.apple.scookmarksagent.xpc	application password	Jun 2, 2021 at 10:03:47 P	м -
	com.jamfsoftwfService.privatekey	private key		-
	com.jamfsoftwIfService.publickey	public key		-
	handoff own encryption key	Handoff Encryption	Jun 4, 2021 at 8-12-10 DM	-
	📷 HCS-JamfSign	certificate		
	1100 Jamf0ign	public key		_
	P HCS-JamfSign	private key		-
	*			

20. Expand (>) Trust to view the settings.

e e HCS-JamfSign					
Expires: Thu This certine Details	ISign eith Michael Music LLC JSS Built-in Certificate Authority rsday, June 9, 2022 at 7:18:11 PM Eastern Daylight Time licate is valid				
Subject Name Country or Region	US				
Common Name	Common Name HCS-JamfSign				
Email Address	kmitnick@hcsonline.com				
Issuer Name					
Common Name	Keith Michael Music LLC JSS Built-in Certificate Authority				
Serial Number Version	2609016175 3				
Signature Algorithm	SHA-256 with RSA Encryption (1.2.840.113549.1.1.11)				
Parameters	None				
Not Valid Before	Tuesday, June 8, 2021 at 7:18:11 PM Eastern Daylight Time				
Not Valid After	Thursday, June 9, 2022 at 7:18:11 PM Eastern Daylight Time				



21. On the first item, When using this certificate section, click the menu and select Always Trust.

Certificate HCS-JamfSign
Ssued by: Keith Michael Music LLC JSS Built-in Certificate Author Expires: Thursday, June 9, 2022 at 7:18:11 PM Eastern Daylight T This certificate is valid
✓ Trust
When using this certificate: Use System Defaults 💿 ?
Secure Sockets Layer (SSL) no value specified
Secure Mail (S/MIME) no value specified
Extensible Authentication (EAP) no value specified
IP Security (IPsec) no value specified
Code Signing no value specified
Time Stamping no value specified
X.509 Basic Policy no value specified

22. Close the window.

••	н	CS-JamfSign				
Kertificate HCS-JamfSign Issued by: Keith Michael Music LLC JSS Built-in Certificate Author Expires: Thursday, June 9, 2022 at 7:18:11 PM Eastern Daylight Ti This certificate is valid						
∨ Trust						
Wh	en using this certificate:	Always Trust	;			
Secu	re Sockets Layer (SSL)	Always Trust	©			
	Secure Mail (S/MIME)	Always Trust	O			
Extensib	le Authentication (EAP)	Always Trust	0			
	IP Security (IPsec)	Always Trust	0			
	Code Signing	Always Trust	\bigcirc			
	Time Stamping	Always Trust	0			
	X.509 Basic Policy	Always Trust	\bigcirc			

23. Enter your admin credentials and click Update Settings.

Trust Settin	king changes to your Certificate ngs. ssword to allow this.					
User Name:	keith					
Password:						
		Cancel	Update Settings			



24. Confirm the certificate shows up as trusted. Quit Keychain Access.

•••	Keychain Access		C i Q Search			
Default Keychains	All Items Passwords Secure Notes	My Certificates Keys	Certificates			
🗗 login	HCS lomfSign					
Local Items	Certificate Issued by: Keith Michael M Expires: Thursday, June 9, This certificate is marker	2022 at 7:18:11 PM Eas	tern Daylight Time			
			oun			
A System						
System Roots	Name	Kind	Date Modified			
	♀ <key></key>	public key				
	♀ <key></key>	private key				
	/ Apple Persistent State Encryption	application password	Jun 7, 2021 at 4:27:44 PM			
	com.apple.scookmarksagent.xpc	application password Jun 2, 2021 at 10:03:47 F				
	com.jamfsoftwfService.privatekey	/ private key				
	com.jamfsoftwlfService.publickey	public key				
	🔎 handoff-own-encryption-key	Handoff Encryption	Jun 4, 2021 at 8:12:19 PM			
	📅 HCS-JamfSign	certificate				
	P HCS-JamfSign	public key				
	💡 HCS-JamfSign	private key				

In the next section, we will build a custom package that includes images and scripts to be used when deploying Jamf Connect.

This completes this section.



Section 4: Packaging Images and Scripts for Branding Jamf Connect

Requirements for following along with this section:

- A Mac computer running macOS 10.15.4 or later enrolled in Jamf Pro
- A code signing certificate installed on your Mac Computer
- Branding Images and Scripts
- Jamf Composer
- JC_Okta_Files downloaded from: https://hcsonline.com/images/Apps/JC_Okta_Files.zip

In this section we will create a folder structure for branding images, and scripts. Once the structure is created, we will add our branding images, Login Window scripts, and Menu bar scripts to the corresponding folders then use Composer to set permissions and create a package to deploy to all computers.

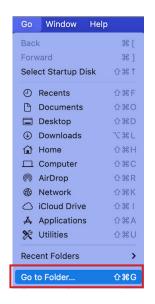
To follow along with this section you will need your branding images, Login Window scripts, and Menu bar scripts readily available. This guide assumes those items are located on your Desktop.

The recommended size for branding icons:

- Menu bar icons: 16x16 pixels
- Login logo: 250 x 250 pixels
- Sign in Logo 449 x 131 pixels

NOTE: This guide will use Composer for packaging. You can get Composer from your assets in your Jamf account located at https://id.jamf.com

1. In the Finder, go to the Go menu and select Go To Folder.



- 2. Enter the following path: /usr/local
- 3. Click Go.

	Go to Folder		
Go to the folder:			
/usr/local/			<u> </u>
	Cancel	Go	— з



4. Create a New Folder.

File	Edit	View	Go	Window
New	-inder \	Nindow		₩ N
New I	older			企
New I	Folder \	with Sele	ection	^

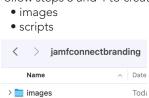
5. Enter your Admin credentials then click OK.

\bigcirc	Finder wants to create a new empty folder.					
	Enter an administrator's name and password to allow this.					
	User Name:					
	Password:					
	Cancel OK					

- 6. Name the folder jamfconnectbranding.
- 7. Open the jamfconnectbranding folder.

•••	local
Name	A Date Modified
> 🚞 bin	Jun 16, 2022 at 4:33 PM
> 🚞 jamf	Jun 16, 2022 at 4:33 PM
> 🚞 jamfconnectbrandin	g Today at 4:18 PM
	May 3, 2022 at 1:01 PM

8. Follow steps 3 and 4 to create two folders within the jamfconnectbranding folder:



> 🚞 scripts

 Drag your branding images to the Images folder. If you have scripts, drag them to the scripts folder. NOTE: You can use the sample files provided with this guide if you don't have your own scripts or images.

• • •	🚞 jamfconnectbranding				
×	8 items, 409.31 GB available				
	jamfconnectbranding				
Name	A Date Modified				
✓ images	Today at 11:48 AM				
HCSBackgroundImage.png	Jun 14, 2021 at 10:14				
HCSLoginWindowLogo.png	Jun 11, 2021 at 11:14				
HCSMenultemLightMode.png	Jun 11, 2021 at 1:07				
✓ iscripts	Today at 11:46 AM				
loginWindow.sh	Jun 15, 2021 at 12:16				
🛄 menuBar.sh	Jun 15, 2021 at 2:56				
notify.sh	Sep 3, 2022 at 11:22				

Toda



10. Launch Composer located in /Applications/Jamf Pro.



11. Drag the jamfconnectbranding folder to Sources.

Composer 10.39.0		R	2			•	i	ocal
	New	Build as DMG		Search		Name	^	Date Modified
SOURCES					>	🗖 bin		Jun 16, 2022 at 4:33 PM
						📄 jamf		Jun 16, 2022 at 4:33 PM
PACKAGES						📄 jamfconnectb	oranding	Today at 4:18 PM
					>	lib		May 3, 2022 at 1:01 PM

- 12. Configure the following:
 - A. Expand the usr folder
 - B. Expand the local folder
 - C. Select the jamfconnectbranding folder.
 - D. Change the Owner to: root
 - E. Change the Group to: wheel
 - F. Confirm the permissions are set to 755.
 - G. Click the Apply Permissions (\bigcirc).
 - H. Click Apply Permissions to jamfconnectbranding and All Enclosed items.

.

	A						
Composer	В	New	Build as DMG	Build as PKG	Q Search	Search	
SOURCES	usr						
> 🥪 jamfconnectbranding							
PACKAGES	jamfconnectbrand	ding 👝					c
							D
	jamfconnectbrandi	ing	Owner: Group. Everyone:	wheel (0)	© ©	R W X V V V V V V Mode: 755	G
		É			F -	_ ↓	
				Ар	oly Permissions to	jamfconnectbranding and	d All Enclosed Items
				Ар	oly Owner and Gro	oup to jamfconnectbrandi	ng and All Enclosed Items
				•		connectbranding and All E connectbranding and All E	
				Ap	olv Mode to iamfo	onnectbranding and All Er	closed Items
				1		Н	



13. Click the Composer menu then select Preferences.

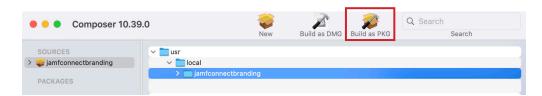
Composer	File	Edit
About Comp	oser	
Preferences.		ж,
Services		>
Hide Compo	ser	ЖН
Hide Others Show All		₩Н
Quit Compos	er	ЖQ

- 12. Click Packaging.
- 13. Select the checkbox for Sign with.
- 14. From the menu, select your signing certificate.
- 15. Click Save.

NOTE: We need to sign this package if we want to use it in a PreStage enrollment in Jamf Pro. If you don't have a code signing certificate, refer to section 3 of this guide to create one before continuing with the next step.

	12	
	Composer Preferences Composer Preferences Packaging Exclusion List Advanced	
	✓ Build flat PKGs	
13—	Sign with: HCS-JamfSign	14
	Remove .DS_Store files in common locations	
	✓ Scan images when building DMGs	
	✓ Play sounds	
	Reveal in Finder when done	
	Executable Types in PKGs: Automatically detect executable types 📀	
	DMG Target Filesystem: Prompt	
	Cancel	15

- 16. Confirm your settings.
- 17. Click Build as PKG.





18. Save the package to your Desktop.

🛅 Desktop	©	Q Search	
		Cancel	Save

19. Enter your Admin password to sign the package.
 20. Click Allow. You will see this message twice.

	productsign wants JamfSign" in your P To allow this, enter the	keychain.	
	Password:		
?	Always Allow	Deny	Allow

21. Enter your Admin password to sign the package.
 22. Click Allow.

Rec.	JamfSign"	in your keye	sign using key chain. in″ keychain pass	
	Password:			
?	Always All	ow	Deny	Allow

23. Confirm the package was created on your Desktop. Leave this package on your Desktop as we will need to upload it to Jamf Pro later in this guide.



In the next section, we will use the Jamf Configuration App to configure a Login Window and Menu Bar profile to customize the settings needed to use our branded images, scripts, and other configurations for Jamf Connect.

This completes this section.



Section 5: Create a Jamf Connect Login and Menu Bar Configuration Profile

In this section we will create settings for the Jamf Connect Login Window and Menu Bar using the Jamf Connect Configuration App. There are a lot of optional settings for Jamf Connect and this guide will not cover all of them. Please refer to the Jamf Connect Admin Guide for more information.

If you downloaded the sample files for this guide and want to following along, be sure to fill out all the fields as shown in the pictures in this section. There are many optional configurations discussed in this section and we will not configure all of them.

https://docs.jamf.com/jamf-connect/documentation/Jamf_Connect_Documentation.html

Requirements for following along with this section:

- A Mac Computer running 10.15.4 or later.
- Jamf Connect Configuration App
- Okta Client IDs file. Created in section 2 of this guide
- 1. Open the Jamf Connect Configuration App.



Jamf Connect Configuration

 In Section 1 of this guide, we created a configuration named Jamf Connect Okta. Select that configuration. Confirm it should have two settings configured in the Identity Provider tab. Identity Provider is Okta and the Auth Sever has your Okta domain listed. Nothing else should be configured.

Jamf Connect Configuration		Č Reset	↓ Save	Test	
Jamf Connect Okta 08/31/2022	Identity Provider Login Connect				
Required					
Identity Provider:	Okta 📀				Confirm
Auth Server:	dev- okta.com			_	these
Okta					settings
OIDC Auth Server:	aus8o8wzjhckw9TLa0t8q				
Admin Client ID:	c3cd02d8-38e5-43ae-91e9-bc40bd2cbdd2				
Access Client ID:	0oa0gwese54gn3y9O0h4				
Secondary Login Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23				
Advanced OIDC					
OpenID Connect Scopes:	openid+profile+offline_access				
Token Caching:	Ignore cookies				
ROPG Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23				
OIDC Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23				
Client Secret:	JCCyfVL7YWtP6gudLljbRZV_N0dW4f3xETilxqtokEAZ6FAsBtg	ylq0MpU1uQ7Jid			
Tenant:	login.myidp.com/c27d1b33-59b3-4ab2-a5c9-23jf0093				
OIDC Redirect URI:	https://127.0.0.1/jamfconnect				
Discovery URL:	https://identity-provider-example-address.com/.well-known/op	enid-configuratio	n		
Choose License	Jamf Connect operates in trial mode without a license				
+ - @ >					



3. Open the Okta Client IDs file that we created in Section 2 of this guide.

• • •				Okta	Client	IDs
Helvetica	\$		•	*	Ζ.	E
				Okta (Client ID)s
	▶ 1	2		🕨	4	, . þ
Jamf Connect		Admins C	ient II	C		
0oa	····p ·					
Jamf Connect	t Desktop	Users Clie	nt ID			
0oa7						

- 4. In the Okta section, enter the following:
 - A. Admin Client ID: Enter the client ID for the admin group that you created in Okta. This guide will use the Jamf Connect Desktop Admin group.
 - B. Access Client ID: Enter the client ID for the standard user group that you created Okta. This guide will use the Jamf Connect Desktop Users group.
 - C. Secondary Login Client ID: This guide will enter the client ID of the Jamf Connect Desktop Admin group.

NOTE: The Secondary Login Client ID field can be configured in multiple ways. This field is used to restrict who can make a second account on a client device. It could be an additional user group or and existing user group. This is most commonly configured with the admin group client ID for added security.

D. In the Advanced OIDC section: OIDC Redirect URI: https://127.0.0.1/jamfconnect

5. Click the Login.	
---------------------	--

		Reset Save Test Identity Provider Login Connect III	
amf Connect Okta			
	Required		
	Identity Provider:	Okta 😒	
	Auth Server:	dev- okta.com	
	Okta		
	OIDC Auth Server	aus8o8wzjhckw9TLa0t8q	
	Admin Client ID:		
	Access Client ID:		
	Secondary Login Client ID:		
	Advanced OIDC		
	OpenID Connect Scopes:	openid+profile+offline_access	
	Token Caching:		
	ROPG Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23	
	OIDC Client ID:	9fcc52c7-ee36-4889-8517-lkjslkjoe23	
	Client Secret:	JCCyfVL7YWtP6gudLljbRZV_N0dW4f3xETilxqtokEAZ6FAsBtgylq0MpU1uQ7Jid	
	Tenant:	login.myidp.com/c27d1b33-59b3-4ab2-a5c9-23jf0093	
	OIDC Redirect URI:	https://127.0.0.1/jamfconnect	
	Discovery URL:	https://identity-provider-example-address.com/.well-known/openid-configuration	
	Choose License	Jamf Connect operates in trial mode without a license	



6. The Login tab has many options and we will not cover all of them in this guide however, I will discuss some of them briefly. Configure these settings to your needs.

User Creation

Initial Password: Create a separate local password - In order to set this key to false, you need to check the box next to Create a separate local password, then un check it. This will generate the XML key value pair and set it to false. If set to true, it would generate a different password than the one you used to login with your Okta credentials which may confuse your users.

User Creation

- Create all new users as local administrators. Check this if you want all users to be created as admins when they log in with their Okta credentials.
- Convert existing mobile accounts to local users. Check this if you want to migrate your mobile accounts to local Mac accounts.
- Ignore roles. Check this is you want to ignore the role of the user in Okta. I.E. If a user is an admin in Okta but you want them to be a standard user on their Mac.

Account Migration

- Check this if your users already have a local account on the Mac and they want to link it to their Okta login. This will avoid the user having two separate accounts when they log in with their Okta credentials. It adds an alias to their existing user account on the Mac with the Okta username.
 NOTE: If the name of your home folder matches your Okta account, you will not be prompted to migrate when logging in. It will use your exisiting home folder.
- Hide the "Create New User" option from users during account migration. Check this if you don't want a user to create a new account during the migration process from a mobile account to a local Mac account. This can avoid accidentally creating a second account for the user.
- Hide Users. If you have local administrators on the Mac and you don't want to link them with a network account when they log in, add their account short name to the field. If there are multiple users, separate them with a comma.
- FileVault. Since this guide is written using Jamf Pro as the MDM server, I recommend handling FileVault using your Jamf Pro server and allow the key to be escrowed back to the Jamf pro server.
- Keychain. Check the box to create the Jamf Connect Keychain.

Authentication

- Authentication: Check the box to Always require network authentication. This provides added security.
- In the field below, you can enter the short names of accounts that can bypass requiring a network connection to authenticate. Useful for local Mac admin accounts.
- Local Fallback: Check the box to Allow local authentication if a network is unavailable. This is useful when you don't have an internet connection but still need to log in to your Mac. Works in conjunction with the Always require network authentication check box.

🔵 😑 💿 Jamf Connect Con	nfiguration		ک _{Reset}	↓ Save	► Test
Jamf Connect Okta 08/31/2022		Identity Provider Login Connect			
	User Creation				
	Initial Password:	Create a separate local password			
	User Creation:	Create all new users as local administrators			
		Convert existing mobile accounts to local users			
		Ignore roles			
	Admin Roles:	Role One, Role Two, Role Three			
	Admin Attribute:	role			
	Short Name:	given_name			
	Full Name:	full_name			
	Account Migration:	Connect existing local users to a network account			
	_	Hide the "Create New User" option from users during account m	igration		
	Hide Users:	jssadmin, ladmin, admin, jamfmanage			
	FileVault:	Enable FileVault for first user			
		Save FileVault recovery key			
		/usr/local/filevault			
	Keychain:	Create Jamf Connect keychain			
	Authentication				
	Authentication:	Always require network authentication			
		jssadmin, ladmin, admin, jamfmanage			
	Local Fallback:	Allow local authentication if a network unavailable.			



7. Continuation from Step 6.

Appearance (optional)

- Internet: Check the box to Allow network selection. This will allow you to select a Wi-Fi network at the Login Window.
- Login Window Message: This will show a custom message at the login window
- Background: Enter the path of the background image you want to use at the Login Window.
- Login Logo: Enter the path of the Login Logo image you want to use at the Login Window.
- Local Auth Button: You can change the name of the local auth button to a custom name.
- Hide restart and Hide shutdown. Check the box if you want to hide these buttons at the Login Window.

Help section: (Optional)

- Help URL: URL to a help page of your choosing.
- Local Help File: You can create a custom help file that lives in the same location on all Macs.

Script (optional)

- Script Arguments: You can run commands entered in this field. For example, if you wanted to run a script on a successful Login, enter the path to the script you want to run in the field. See the Script Path in the picture below.
- Script Path: Location of a script that will run at login on all Macs.

Acceptable Use Policy (optional)

- You have the option of entering in text in all the the following fields: Title, Subtitle, Body Text.
- Audit File Path: You can specify a file location to record all users that have accepted the Acceptable Use Policy. NOTE: Jamf recommends using /Users/Shared as the path.
- Acceptable Use Policy Path: You can create your own acceptable use policy and place it on a website or in a local file on all Macs in the same location.
- MFA Message: You can add custom text to be displayed to the user telling them to enter their Okta verification code sent to their device.

8. After reviewing, click Connect.

	Reset Save
	Identity Provider Login Connect
RUPO SUCCESS COUES.	
Appearance	
Internet:	S Allow network selection
Login Window Message:	Property of HCS Technology Group. If found, please call (866) 518-9672
Background:	/usr/local/jamfconnectbranding/images/HCSBackgroundImage.png
Login Logo:	/usr/local/jamfconnectbranding/images/HCSLoginWindowLogo.png
Local Auth Button:	Local Login
	Hide restart
	Hide shutdown
Help	
The	
Help URL:	https://hcsonline.com/support
Local Help File:	/usr/local/shared/JamfConnectHelp.pdf
Script	
Script Arguments:	
	/usr/local/jamfconnectbranding/scripts/loginWindow.sh
Acceptable Use Policy	
Title:	End User License Agreement
Subtitle:	HCS EULA
Body Text:	This computer is property of HCS Technology Group. By logging into this computer, you are
	It is improper and prohibited to use the Systems for any reason unrelated or detrimental to C i. Accessing or transmitting proprietary information, customer information or confider
Audit File Path:	/usr/local/shared/AcceptableUsePolicy.txt
Acceptable Use Policy Path:	https://EXAMPLE_ACCEPTABLE_USE_POLICY_URL.com
Okta	



9. Under $\ensuremath{\mathsf{Authentication}}$, in the Auth Server field, will show the URL of your Okta server.

Sign In (Optional).

- Sign In Logo: Location of the branded logo to use at the Jamf Connect sign in window.
- The following field names can be customized to your needs. For example, the Username Label can be changed to a name of your choosing like Email address.
- Username Label, Password Label, Window Title, One-time-Password Message, MFA Excluded.
- Automatic Sign-In Check this box to enable Jamf Connect to automatically sign in using your stored credentials in your keychain.

Custom Branding (Optional).

- Light Mode Icon: Location of the Menu Bar icon on all Macs using Jamf Connect.
- Dark Mode Icon: Location of the Menu Bar icon on all Macs using Jamf Connect.
- Show Welcome Window I recommend checking the box then un checking the box to disable the Welcome Message from showing up on each login. That will generate the xml key value pair and set it to false.
- Use Unbranded App Icon. This will replace the Jamf Connect Menu Bar icon with a generic logo (Shown to the right). Use this if you don't want the users to see the Jamf icon in the menu bar or if you don't have your own branded icon. This guide will use a branded icon so there's no need to check this box.



Jamf Connect (Configuration		ک _{Reset}	↓ Save	Te:
Jamf Connect Okta 08/31/2022	Authentication	Identity Provider Login Connect			
	Auth Server:	dev- okta.com			
	Sign In				
	Sign In Logo:	/usr/local/jamfconnectbranding/images/HCSLoginWindowLogo.png			
	Username Label:	Username			
	Password Label:	Password			
	Window Title:	Sign in			
	One-time Password Message:	Enter your verification code			
	MFAExcluded:	push,question			
	MFA Rename: +				
		🗹 Automatic Sign-in			
		Automatically Push Last MFA Method			
		Require Sign-in			
		Automatically Open Jamf Connect at Login			
	Custom Branding				
	Light Mode Icon:	/usr/local/jamfconnectbranding/images/HCSMenultemLightMode.png			
	Dark Mode Icon:	/path/menubar-icon-dark.png			
		Show Welcome Window			
		Use Unbranded App Icon			



- 10. Password (Optional).
 - Network Check-in Frequency: By default, Jamf Connect will check every 60 minutes to see if the Okta password matches the local account of the user on the Mac. If they are out of sync, Jamf Connect will prompt the user to sync them. If you want to change this to happen more frequently, add a number to this field.
 - The other items in the password section will not be discussed in this guide.
 - Please refer to the Jamf Connect admin guide for more info on these items.

User Help (Optional).

- Help Options: Enter a URL to a help page or path to a help file located on all Macs using Jamf Connect.
- Help Type: The type of help option to be used by Jamf Connect. URL or File
- Software Path: Enter the path to an application that you would like to open via the Jamf Connect Menu Bar.

• • Jamf Connect Con	figuration			ر Reset	↓ Save	► Test
Jamf Connect Okta 08/31/2022	Password		Identity Provider Login Connect			
	Network Check- in Frequency:	15	minutes			
		Check	On Network Change			
	Expiration Countdown:	15	days			
	Expiration Notification:	15	days			
	Expiration Manual Override:	15	days			
	Change Password URL:	https://w	ww.passwordchangeexample.com			
	Reset Password URL:	https://w	ww.passwordresetexample.com			
	Sync Password Message:	Your loca	al and network passwords do not match.			
	Password Sync Block List:	Account	One, Account Two, Account Three			
	Password Policy Message:	This pas	sword does not meet your organizations minimum password	d complexity	requireme	nts.
	Password Policy					
	Minimum Lengt	th: 10				
	Minimum Uppercas					
	Minimum Lowercas					
	Minimum Number					
	Minimum Symbo					
	Minimum Matche					
	Winning Matche		clude Username			
		EA				
	User Help					
	Help Options:	https://h	cstech.zendesk.com			
	Help Type:	URL				
	Software Path:	/Applicat	ions/Self Service.app			



- 11. Scripting (Optional).
 - You can add the path to a script in each field listed. For example, if you wanted to run a script on a successful Authentication, enter the path to the script you want to run in the field. See the path in the On Auth Success field in the picture below.

Kerberos (Optional).

• If you require Kerberos, enter the information for your Kerberos Realm in this section. NOTE: Kerberos will require a connection to an on premise Active Directory server.

Menu Items (Optional).

• You can enable or disable any of the items listed in this section from showing up in the Jamf Connect Menu bar.

Jamf Connect Co	onfiguration		رگ Reset	↓ Save	► Test
Jamf Connect Okta 08/31/2022	Scripting	Identity Provider Login Connect			
	On Password Change: On Network Change:	/usr/local/jamfconnectbranding/scripts/menuBar.sh			
	Kerberos Kerberos Realm: Short Name: Short Name Attribute: Ask For Short	YOURCOMPANY.NET Renew tickets Ask for Short Name			
	Name Message:				
	Hidden Menu Items About Actions Change Password Get Help Get Software Home Directory Last User Password Expiration Preferences Reset Password Shares Connect Quit				



- 12. Custom Menu Items (Optional).
 - You can change the names of the items listed in the Jamf Connect Menu Bar to fit your needs. For example, the Get Help menu item can be changed to Open a Help Desk Ticket. This will use the URL if you entered one in the Help section in step 10.

Web Browser (Optional).

• Select a web browser of your choosing, then check the box to Launch Browser. This will open the browser of your choosing when accessing the Okta dashboard.

Jamf Unlock (Optional).

• Jamf Unlock is a mobile app that enables users to unlock their Mac without using a password. With Jamf Unlock, users complete a setup process to generate identity credentials (a certificate) on their mobile device and pair the device with their Mac.

13. Click Save.

Jamf Connect Configuration		ر Reset		► Test
Connect Okta	Identity Provider Login Connect		:= :</td <td>></td>	>
Scripting				
On Auth Failure:				
	/usr/local/jamfconnectbranding/scripts/menuBar.sh			
On Password Change:	Tashoodijamoomootaanangjoonpiamonabalan			
On Network Change:				
Kerberos				
Kerberos Realm:	YOURCOMPANY.NET			
	Renew tickets			
Short Name:				
Short Name Attribute:				
	Ask for Short Name			
Ask For Short				
Name Message:				
Menu Items				
Hidden Menu Items				
About				
Actions				
Change Password				
Get Help				
Get Software				
Home Directory				
🗹 Last User				
Password Expiration				
Preferences				
Reset Password				
Shares				
Connect				
💙 Quit				



Α

В

- 14. Configure the following:
 - A. Select the radio button for Jamf Connect Login.
 - B. Select the radio button for Configuration Profile
 - C. Organization Name: Enter your organizations name. This guide will use HCS. D. Payload Name: Jamf Connect Login

Save

- E. Payload Description: Jamf Connect Login F. Leave everything else at their default settings

	6. Click Save.
•	•
	Application

 Jamf Connect 		
Jamf Unlock		
File Format		
Configuration Profile .mc	bileconfig	
Property List .plist		
Payload Configuration Profile Dat		
Payload Computation Profile Dat	d	
Organization:	Hos	
	Jamf Connect Login	
	ECB2CFA4-F66B-4495-BE12-827D51778CD9	
Payload Description:	Jamf Connect Login	
Signing Identity:	Not signed / Signed by server	O
Upload to Jamf Pro		
Jamf Pro Upload		
Jamf Pro Server:	[Required]	
Username:	[Required]	
Password:	[Required]	
		Check Connection

- 15. Configure the following:
 - A. Save As: Jamf Connect Login
 - B. Where: Desktop
 - C. Click Save.

Δ		t Login:	Jamf Conne	Save As:	
				Tags:	
— В	•🖸 🖯		🛅 Desktop	Where:	
c	Save	Cancel			



16. Click OK at this message.

Success
File has been saved in the following location: Users/kmitnick/Desktop/ Jamf%20Connect%20Login.mobileconfi g
ок

17. Click Save.

• • Jamf Connect Config	guration	Identity Provider Login Connect	Č Reset	⊌ Save	► Te:
Jamf Connect Okta 08/31/2022	 Shares Connect Quit 	identity Fonder Login Connect			~/>
	Custom Menu Items				
		Open a Help Desk Ticket Go to the HCS App Store			
	Connect: Quit				
X	Web Browser Browser Selection: Sa	afari S			
		Launch Browser			
t	Jnlock				
	Unlock Settings Enable Unlock Require PIN Enable Unlock at Login Wir	idow			



18. Configure the following:

- A. Select the radio button for Jamf Connect.
- B. Select the radio button for Configuration Profile
- C. Organization Name: Enter your organizations name. This guide will use HCS. D. Payload Name: Jamf Connect Menu Bar
- E. Payload Description: Jamf Connect Menu Bar
- F. Leave everything else at their default settings
- G. Click Save.

•	Save	
Application		
Jamf Connect Login		
O Jamf Unlock		
File Format		
Configuration Profile .mo	bileconfig	
O Property List .plist		
Payload Configuration Profile Da	а	
Organization:	HCS	
Payload Name:	Jamf Connect Menu Bar	•
Payload Identifier:	65F36EC3-5A39-4C94-8A50-1BE6D05DDCC9	
Payload Description:	Jamf Connect Menu Bar	•
Signing Identity:	Not signed / Signed by server	
Upload to Jamf Pro		
Jamf Pro Upload		
Jamf Pro Server:	[Required]	
Username:	[Required]	
Password:	[Required]	
		Check Connection
		Cancel Save

- 19. Configure the following:
 - A. Save As: Jamf Connect Menu Bar
 - B. Where: Desktop
 - C. Click Save.

Save As:	Jamf Conne	ct Menu Ba	ar 🛏)	- A
Tags:					
Where:	📄 Desktop		•🖸 💌		-B
		Cancel	Save		-C



20. Click OK at this message.

Ê
Success
File has been saved in the following location: Users/kmitnick/Desktop/ Jamf%20Connect%20Menu%20Bar.mob ileconfig
ОК

21. Confirm that you have 2 configuration profiles saved on your Desktop.



In the next section we will install the two configuration profiles we just created along with Jamf Connect. Best practice is to always test your configuration profiles by manually installing the configuration profiles and Jamf Connect on a Mac manually. Once everything is working as expected, we can transfer all the items to the Jamf Pro server and test deploying Jamf Connect from Jamf Pro.

This completes this section.



Section 6: Manually Installing Jamf Connect on a Mac Computer

In this section we will install the two configuration profiles we created in section 5 along with Jamf Connect. Best practice is to always test your configuration profiles by manually installing the configuration profiles and Jamf Connect on a Mac Computer. Once everything is working as expected, we can transfer all the items to the Jamf Pro server. We will also test a Login Window and Menu Bar script to make sure all is working as expected.

Requirements for following along with this section:

- A Mac Computer running 10.15.4 or later.
- Jamf Connect Installer version 2.14.0
- jamfconnecbranding.pkg We created this in section 4.
- Okta login credentials for admin and standard user accounts.
- Login Window and Menu Bar Scripts (Optional)

NOTE: Login Window and Menu bar scripts are included with the sample files for this guide. If needed, get them here: https://hcsonline.com/images/Apps/JC_Okta_Files.zip

Before we install the Jamf Connect application, the configuration profiles need to be installed first. If you install Jamf Connect before installing the configuration profiles, it will have no configuration settings and will fail.

1. Double Click the Jamf Connect Login.mobileconfig profile.



2. Confirm a notification appears to ask you to review the profile.



Profile installation Review the profile in System Preferences if you want to install it.

3. Open System Preferences.



4. Click Profiles.





- 5. Click the Jamf Connect Login profile.
- 6. Click Install.

	••• < >	Profiles	Q [Search
5 —	Downloaded Jamf Connect Login 1 setting	Jamf Connect Login	Ignore Install
	Device (Managed) Jamf Connect Notific 1 setting	Description Jamf Con Received Aug 31, 20	·
	Jamf Connect PPPC 1 setting	Settings com.jamf.	connect.login

7. Click Install.

Are you sure you want to install device profile "Jamf Connect Login"?
The author of this profile is unknown, and the profile cannot be removed without entering an administrator's password.
Install

Show Details

Cancel

- 8. Enter your Admin credentials.
- 9. Click OK.

	Profiles		
	Profiles wants to make o		
	Enter your password to a		
<u>8</u>	keith		
0-	••••		
	Cancel	ОК	ç



Follow steps 1 -7 to install the Jamf Connect Menu Bar.mobileconfig profile. Once done, you
will end up with both configuration profiles as shown below.
NOTE: The Jamf Connect Menu Bar profile will show up as Jamf Connect Settings.

Device		
Jamf Connect Login 1 setting	Jamf Connect Settings Jamf Unsigned	
Jamf Connect Settings 1 setting	Description Jamf Connect Settings Installed Aug 31, 2022 at 7:29 PM	
Jamf Connect Notific 1 setting	Settings com.jamf.connect	
Jamf Connect PPPC 1 setting	details	
Jamf Notifications	Description Jamf Connect Settings	
MDM Profile 3 settings	Signin { AutoAuthenticate = 1; SignInLogo = "/usr/local/ jamfconnectbranding/images/	
1 setting	HCSLoginWindowLogo.png"; }	
+ -	CustomMenuItems {	t".

11. Open the Jamf Connect-2.14.0.dmg.



12. Click Agree.

f you agree with the terms of his license, press "Agree" to nstall the software. If you do not agree, press "Disagree".	SOFTWARE LICENSE AND SERVICES AGREEMENT JAMF SOFTWARE, LICE ("Jamf" or "wo") PROVIDES ACCESS TO ITS SOFTWARE AND SERVICES SUBJECT TO THE TERMS OF THIS SOFTWARE LICENSE AND SERVICES AGREEMENT ("SLASA") AND ALL SOWS, ORDERS AND ANY SUBSEQUENT AMENDMENTS (COLLECTIVELY, THE "AGREEMENT," PLASE READ THE TERMS OF THIS AGREEMENT CAREFULLY, AS USED IN THIS AGREEMENT, "CUSTOMER" OR "YOU" REFERS TO THE PERSON OR ENTITY USING THE SOFTWARE OR RECEIVING THE SERVICES. YOU ACCEPT THE TERMS OF THIS AGREEMENT EITHER BY (1) CLICKING A BOX INDICATING ACCEPTANCE OR (2) BY INSTALLING ON USING THE SOFTWARE. IF THE INDIVIDUAL ACCEPTING THIS AGREEMENT IS ACCEPTING ON BEHALT OF A COMPANY OR OTHE LEGAL ENTITY. THAT INDIVIDUAL REPRESENTS AND WARRANTS THAT THEY HAVE THE AUTHORITY TO BIND THE ENTITY AND ITS AFFILIATES TO THIS AGREEMENT. IF YOU DO NOT AGREE TO THIS AGREEMENT, YOU SUST NOT DOWNLOAD,
	INSTALL OR USE THE SOFTWARE OR SERVICES. 1. Overview. This Agreement sets forth the terms under which you may license and use Jamf's Software and obtain Services (all as defined below) from Jamf. This Agreement applies if you obtain Software or Services directly from Jamf or through a Jamf-authorized reseller. All Software and Services will be identified in an applicable Quote or Order. If you use the Software and Services in a free trial as Test Software, this SLASA governs that use.
	 Definitions. a) "Affiliate" means any entity (i) that is owned more than 50% by a Party, (ii) over which a Party exercises management control, (iii) that is under common control with a Party or (iv) that owns more than 50% of a Party's outing securities or other voting interests of an entity.



13. Drag the JamfConnect.pkg file to the Desktop. We will need to upload this to the Jamf Pro server later in this section.



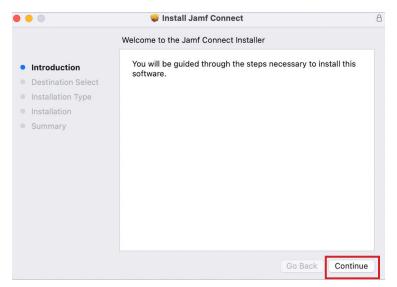
14. Open the Resources folder and drag the JamfConnectLaunnchAgent.pkg to the Desktop. We will need to upload this to the Jamf Pro server later in this section.



15. Double click the JamfConnect.pkg file on the Desktop.

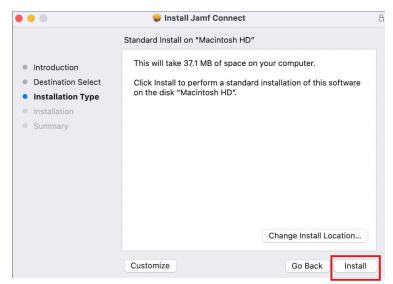


16. Click Continue.





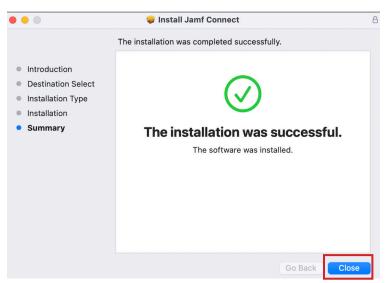
17. Click Install.



18. Enter your admin credentials then click Install Software



19. Click Close.





20. Close the Jamf Connect Sign In window.

• •		Sign In
2	jamf	CONNECT
Username:		
Password:		
Browser:	Safari	ᅌ 🗹 Open in browser
		Sign In

21. Double click the JamfConnectLaunchAgent.pkg file on the Desktop. NOTE: This package will install a launch agent that will start Jamf Connect on startup.

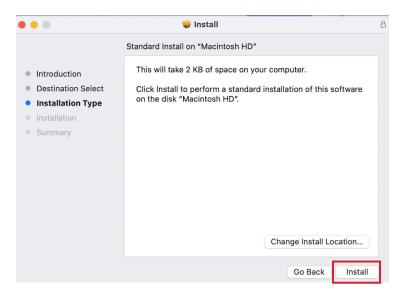


22. Click Continue.

	🥪 Install	۵
	Welcome to the Installer	
 Introduction Destination Select Installation Type Installation Summary 	You will be guided through the steps necessary to install this software.	
,		
	Go Back Continue	



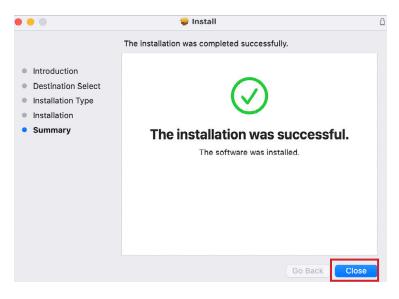
23. Click Install.



24. Enter your admin credentials then click Install Software.



25. Click Close.

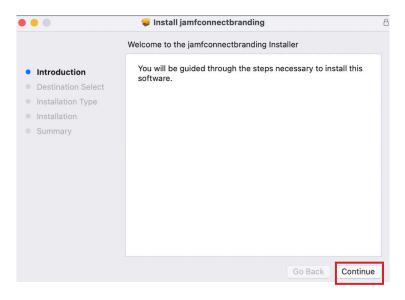




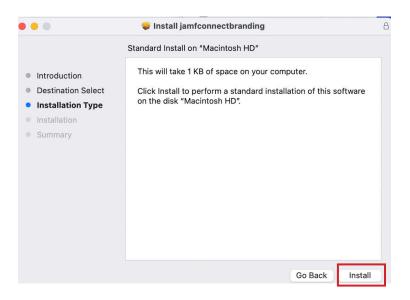
26. Double Click the jamfconnectbranding.pkg that we created in section 4 of this guide. This package should be on your Desktop and includes the images and scripts to customize Jamf Connect.



27. Click Continue.



28. Click Install.

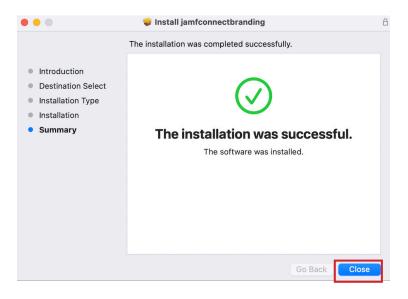




29. Enter your admin credentials then click Install Software.



30. Click Close.

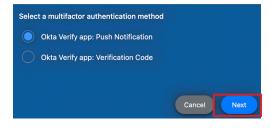


31. Logout of your Mac computer. If all went well, you should be greeted with the Jamf Connect Login Window. Enter your Okta credentials and click Log In. NOTE: We did not add the Jamf Connect License so the login window will show as a Trial Version. We will add the Jamf Connect License in a later section. Also notice the branded logo, solid blue background, and the Wi-Fi icon all appear at the Login Window. Our customizations are working!

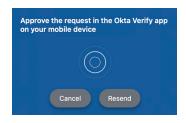




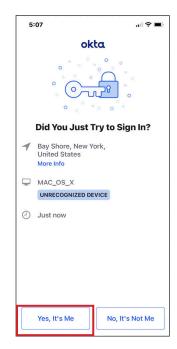
32. Click your MFA authentication method. This guide will use a Push Notification. Click Next.



33. You will be prompted with the message below and a notification will be sent to your phone.



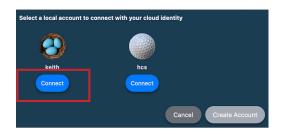
34. You will get the message below on your phone, Tap Yes, It's Me.





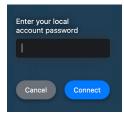
35. If you have an existing account on your Mac Computer that you want to link to your Okta credentials, click it at the window below. You also have the option to create a new account on the Mac by clicking the Create Account button. This guide will choose the existing keith account.

NOTE: If you click an existing account at the window below and that account is a mobile account, It can be converted to a local user account if you clicked "Convert existing mobile accounts to local users " in your Jamf Connect Login settings.



36. You will be prompted for the password of the LOCAL Mac account. In this case, the keith account. Enter your password and click Connect.

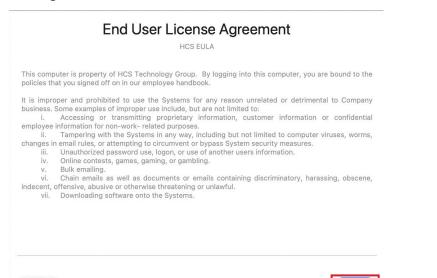
NOTE: Do not enter your Okta password at this screen. This is your LOCAL Mac account password. Once entered, it will be synced to your Okta password and you will use your Okta password going forward to log in to your Mac Computer.



Cancel

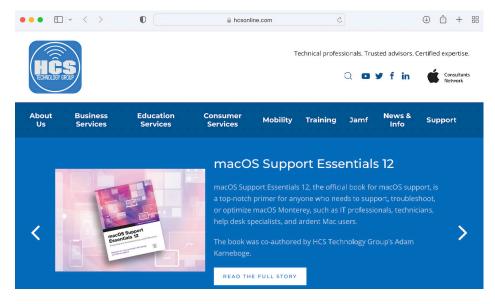
37. We configured the EULA in our Jamf Connect Login profile so we are prompted with the EULA. click I Agree, then click Done.

I Agre





38. We configured a login script in our Jamf Connect Login settings. This guide uses a script to open Safari and go to https://hcsonline.com. Our login script is working!



39. We configured a Menu Bar script in our Jamf Connect Menu Bar settings. This script will run when a successful connection is made to Okta. Re-Connect to Okta by clicking the Jamf Connect Menu Bar icon, which should be customized to your branded logo if you followed along with this guide, and click Connect.

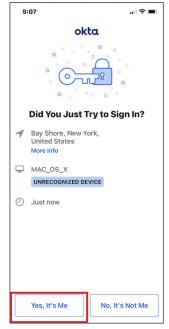


40. At the message below, click OK.

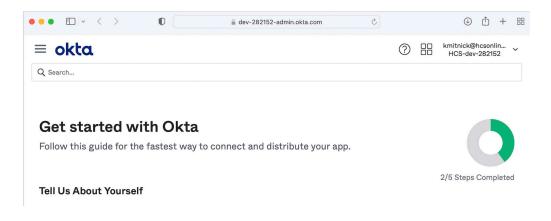
Choose a multi-factor authentication method	od:	
OKTA push		\bigcirc
Automatically push last multifactor	Cancel	ОК



41. You will get the message below on your phone, Tap Yes, It's Me.



42. If the connection was successful, Safari will open and will sign you into your Okta user account. Our Menu Bar script is working!



In the next section we will transfer all the required Jamf Connect files and installers to a Jamf Pro server so we can deploy Jamf Connect via Jamf Pro.

This completes this section.



Section 7: Configure Jamf Pro to Deploy Jamf Connect

In this section we will upload all the required installation packages for Jamf Connect, create configuration profiles with the settings for Jamf Connect, and create a PreStage enrollment to deploy Jamf Connect via Automated Device Enrollment.

Requirements for following along with this section:

- A Mac Computer running 10.15.4 or later.
- Jamf Connect Configuration App
- Jamf Connect Installer version 2.14.0
- Jamf Connect Launch Agent Installer
- jamfconnecbranding.pkg We created this in section 4.
- Jamf Connect License Get this from https://id.jamf.com

If you followed along with this guide from the beginning, you should have three packages on your Desktop:

- JamfConnect.pkg
- JamfconnectLaunchAgent.pkg
- jamfconnectbranding.pkg

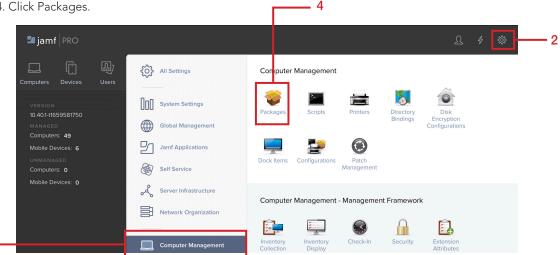
Make sure you have those packages before continuing with this section. You will need to upload them to your Jamf Pro server.

1. Using a web browser of your choice, Log in to your Jamf Pro server.



- 2. Click Settings (⑬) in the upper-right corner.
- 3. Click Computer Management.
- 4. Click Packages.

3





5. Click New.

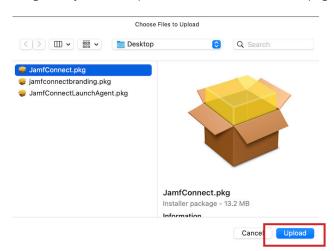
🞜 jamf PRO		ম	4	ŝ
Computers Devices Users	Settings : Computer Management ← Packages			
VERSION 10.40.1-t1659581750			+ Ne	≥w)

6. Enter the following:

- A. Display Name: Leave this blank. It will auto populate once we click the package.
- B. Category: This guide will use Jamf Connect
- C. Click Choose File

General Options Limitations	
Display Name Display name for the package	
[Required]	
Category Category to add the package to Jamf Connect Filename Filename of the package on the distribution point (e.g. "MyPackage.pkg")	
Choose File	
Manifest File	

7. Navigate to your Desktop and choose the JamfConnect.pkg then click Upload.





8. Click Save to start the upload of the package.

Settings : Computer Management > Packages ← New Package	
General Options Limitations	
Display Name Display name for the package	
JamfConnect.pkg	
Category Category to add the package to	
Filename Filename of the package on the distribution point (e.g. "MyPackage.pkg")	
Choose File JamfConnect.pkg	
Manifest File	
Upload Manifest File	
	Cancel Save

9. The package was successfully uploaded. Follow steps 4 -7 to upload the JamfconnectLaunchAgent.pkg and jamfconnectbranding.pkg.

Settings : Computer Management → Packages ← JamfConnect.pkg	
Availability pending	Refresh
General Options Limitations	
Display Name Display name for the package	
JamfConnect.pkg	
Category Category to add the package to	
Jamf Connect 🔹	
Filename Filename of the package on the distribution point (e.g. "MyPackage.pkg")	
	🕒 🖞 🗹 History Delete Edit

10. Confirm all three packages are uploaded to your Jamf Pro server.

Settings : Computer Management ← Packages	
JamfConnect.pkg	Jamf Connect
jamfconnectbranding.pkg	Jamf Connect
JamfConnectLaunchAgent.pkg	Jamf Connect



- 11. Click Computers.
- 12. Click Configuration Profiles.
- 13. Click New.

	🞜 jamf PRO	Ω	. 📌 🚓
11—	Computers Devices Users	Computers Configuration Profiles	13
10		Q Filter Pr 1-32 of 32 + New Ü Upload	
12	Configuration Profiles Restricted Software	NAME LOGS COMPLETED PENDING FAILED	SCOPE

- 14. Click the General Payload, then enter the following:A. Name: Jamf Connect LoginB. Category: This guide will use Jamf Connect

, General	General	
	Name Display name of the profile	
Not configured	Jamf Connect Login	•
	Description Brief explanation of the content or purpose of the profile	
Network Not configured		
VPN	Category Category to add the profile to	
Not configured	Jamf Connect	
DNS Settings		
Not configured	Level Level at which to apply the profile	
DNS Proxy	Computer Level 🔻	
Not configured	Distribution Method Method to use for distributing the profile	
	Install Automatically	



- 15. Expand the Application & Custom Settings payload.
- 16. Click Upload.
- 17. Click Add.

		nputers : Configuration - New macOS Co		ation Profile		
	¢	Options Scope				
15 —	٥	Application & Custom Settings Not configured	^	Upload Use this section to define generic settings for preference domains.	Remove all + Add	— 17
		Jamf Applications External Applications				
16 —	-[Upload				
		Identification				

18. Enter the following:

A. Preference Domain: com.jamf.connect.login

B. Property List: We will copy this from the Jamf Connect Configuration App in the next step.

Options Scope			
Application & Custom Settings 1 payload configured	Upload 1 peyload configured	Remove all	+ Add
Jamf Applications External Applications	com.jamf.connect.login Use this section to define generic settings for preference domains.	×	^
Upload	Preference Domain The name of the preference domain (com.company.application)		
Identification Not configured	com.jamf.connect.login Required Property List PLIST containing key value pairs for settings in the specified domain.		•
Time Machine Not configured	I		•
Finder Not configured			
Accessibility Not configured			
Proxies Not configured	Field is required. 한 Upload	8	a
App-To-Per-App VPN		Cance	

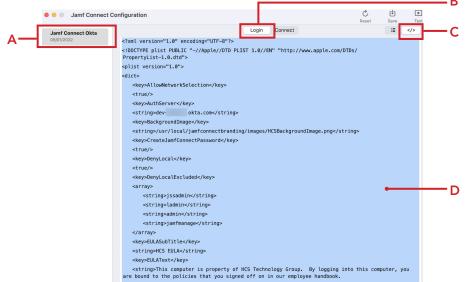
19. Open the Jamf Connect Configuration App.





- 20. Follow the steps:
 - A. Click Jamf Connect Okta.
 - B. Click the Login tab.
 - C. Click the XML tag icon. < / >
 - D. Select all the XML and copy it.

NOTE: Best practice is to copy the XML data and create new configuration profiles in Jamf Pro for the Login and Connect settings. There have been issues in the past with uploading configuration profiles created in the Jamf Connect Configuration App to Jamf Pro. During the upload process, key value pairs can be stripped out of the configuration profile. To avoid those issues, we always start with fresh profiles using the XML data. It's also best practice to create individual configuration profiles for Login and Connect. Makes life easier when changes are needed on one and not both.



- 21. Switch back to the Jamf Pro server and paste the XML in the Property List section. Inspect the beginning and end of the pasted XML and remove any spaces from the beginning and the end if necessary.
- 22. Click Scope.

Options Scope	
Application & Custom Settings ^ 1 payload configured	Upload 1 payload configured + Add
Jamf Applications External Applications	com.jamf.connect.login X Use this section to define generic settings for preference domains. X
Upload	Preference Domain The name of the preference domain (com.company.application)
a≡ Identification Not configured	com.jamf.connect.login Required Property List PLIST containing key value pairs for settings in the specified domain.
Time Machine Not configured	copyers et al. "Comming out many pains on atomign the approximation of another approximation of a second or another approximation or another approximation
子 Finder Not configured	<true></true> <key>AuthServer</key> <string>dev-okta.com</string> <key></key>
Accessibility Not configured	<string>/usr/local/jamfconnectbranding/images/HCSBackgroundImage.png<string> <key>CreateJamfConnectPassword</key> <true></true></string></string>
Proxies Not configured	<key>DenyLocal</key> <true></true>

(X) Cance



- 23. Scope to your needs. This guide will scope to a test Mac Computer.
- 24. Click Save.

Limitations	Exclusions
Target Users Users to distribute the profile to Specific Users	
	+ Add
ТҮРЕ	
	Target Users Users to distribute the profile to Specific Users v

25. Create another Configuration Profile. Click New.



- 26. Click the General Payload, then enter the following: A. Name: Jamf Connect Menu Bar
 - B. Category: This guide will use Jamf Connect

General	General
	Name Display name of the profile
Passcode Not configured	Jamf Connect Menu Bar
Not conligured	Description Brief explanation of the content or purpose of the profile
Network Not configured	
VPN Not configured	Category Category to add the profile to
	Jamf Connect 🔹
DNS Settings Not configured	Level Level at which to apply the profile
	Computer Level 👻
DNS Proxy	Distribution Method to use for distributing the profile
Not conligured	Install Automatically
Content Caching	Hotel Processing
Not configured	Redistribute Profile After Amount of time after which to redistribute the profile
	Never 💌
Certificate	



- 27. Expand the Application & Custom Settings payload.
- 28. Click Upload.
- 29. Click Add.

Options Scope		
Application & Custom Settings ^ Not configured	Upload Use this section to define generic settings for preference domains.	Remove all + Add
Jamf Applications		
External Applications		
Upload		
Identification		
D Time Machine Not configured		
Finder Not configured		
Accessibility		

30. Enter the following:

A. Preference Domain: com.jamf.connect

B. Property List: We will copy this from the Jamf Connect Configuration App in the next step.

Options Scope			
Not configured			
Privacy Preferences Policy Control Not configured	Upload 1 peyload configured	Remove all	+ Add
AD Certificate Not configured	com.jamf.connect Use this section to define generic settings for preference domains.	×	^
Energy Saver Not configured	Preference Domain The name of the preference domain (com.company.application) com.jamf.connect Required	•	
Application & Custom Settings	Property List PLIST containing key value pairs for settings in the specified domain.	•	
Jamf Applications			
External Applications			
Upload			
Identification	Field is required.		
Time Machine	🖞 Upload	(X) Cancel	(B) Save



- 31. Follow the steps:
 - A. Click Jamf Connect Okta.
 - B. Click Connect.
 - C. Click the XML tag icon. < / > D. Select all the XML and copy it.

Jamf Connect Okta	Login Connect	i≣
09/01/2022	xml version="1.0" encoding="UTF-8"?	
	<pre><!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/ PropertyList-1.0.dtd"></pre>	
	<pre><plist version="1.0"></plist></pre>	
	<dict></dict>	
	<key>Appearance</key>	
	<dict></dict>	
	<key>MenubarIcon</key>	
	<string>/usr/local/jamfconnectbranding/images/HCSMenuItemLightMode.png</string>	
	<key>CustomMenuItems</key>	
	<dict></dict>	
	<key>gethelp</key>	
	<string>Open a Help Desk Ticket</string>	
	<key>getsoftware</key>	•
	<string>Go to the HCS App Store</string>	
	<key>HiddenMenuItems</key>	
	<array></array>	
	<string>about</string>	
	<string>actions</string>	
	<string>home</string>	
	<string>lastusername</string>	
	<string>passwordexpiration</string>	
	<string>preferences</string>	
	<string>resetpassword</string>	

- 32. Switch back to the Jamf Pro server and paste the XML in the Property List section. Inspect the beginning and end of the pasted XML and remove any spaces from the beginning and the end if necessary.
- 33. Click Scope.

Options Scope			
Application & Custom Settings	Upload 1 payload configured	Remove all	+ Add
Jamf Applications External Applications	com.jamf.connect Use this section to define generic settings for preference domains.	×	^
Upload	Preference Domain The name of the preference domain (com.company.application)		
a≡ Identification Not configured	com.jamf.connect Required Property List PLIST containing key value pairs for settings in the specified domain.		
D Time Machine Not configured	xml version="1.0" encoding="UTF-8"? <doctype "-="" "http:="" 1.0="" apple="" dtd="" dti<br="" en"="" plist="" public="" www.apple.com=""><plist version="1.0"> <dict></dict></plist></doctype>	Ds/PropertyList-1	.0.dtd">
Finder Not configured		•	
Accessibility Not configured	<string>/usr/local/jamfconnectbranding/images/HCSMenultemLightMode <key>CustomMenultems</key></string>	e.png	
品 Proxies Not configured	<dict> <key>gethelp</key> <key>gethelp</key> <stringe>period <key>attinge>period <key>attinge>period</key></key></stringe></dict>	(X) Cancel	e

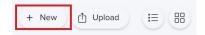


- 34. Scope to your needs. This guide will scope to a test Mac Computer.
- 35. Click Save.

Options Scope		
Targets	Limitations	Exclusions
Target Computers Computers to assign the profile to	Target Users Users to distribute the profile to	
Specific Computers	▼ Specific Users ▼	
elected Deployment Targets		+ Add
RGET	түре	
eith's MacBook Air	Computer	Removi

⊗	📳
Cancel	Save

36. Create another Configuration Profile. Click New.

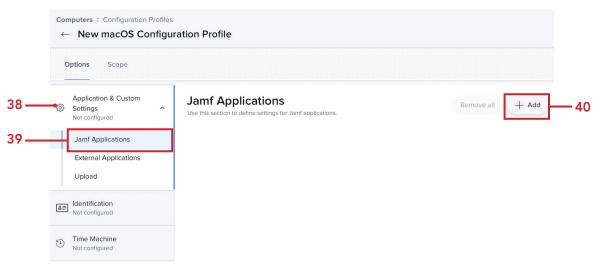


- 37. Click the General Payload, then enter the following: A. Name: Jamf Connect License
 - B. Category: This guide will use Jamf Connect

Options Scope			
General	General		
Passcode Not configured	Name Display name of the profile Jamf Connect License	•	
Network Not configured	Description Brief explanation of the content or purpose of the profile		
VPN Not configured	Category Category to add the profile to		
DNS Settings Not configured	Level Level at which to apply the profile		
DNS Proxy Not configured	Computer Level Distribution Method Method to use for distributing the profile		
Content Caching Not configured	Install Automatically Redistribute Profile After Amount of time after which to redistribute the profile		
Certificate Not configured	Never •		
 Certificate Transparence 		(X) Cancel	Cave Save



- 38. Click the Application & Custom Settings to expand the payload.
- 39. Click Jamf Applications.
- 40. Click Add.



- 41. Configure the following:
 - A. Jamf Application Domain: com.jamf.connect
 - B. Version: 2.14.0 (or the latest version available)
 - C. Variant: Jamf Connect json
 - D. Click the first Add/Remove properties button

	Configuration Profiles macOS Configuration Profile							
Options	Scope							
Settings	on & Custom Jamf Ap	plications			Remo	ve all	- Add	
Jamf Ap	plications com.jamf.					×	~	Δ
Externa	Applications	tion to define settings for Jamf application	ons.					— В
Upload	Jamf Appl Domain to co	lication Domain	Version Version of the preference d	omain	Variant Variant of the selected version			— c
B≣ Identification Not config		connect ~	2.14.0	~	Jamf Connect.json		Ť	-
D Time Ma		e Domain Properties			Form ed	itor Plist pre	eview	
Finder Not config	ured com.jamf.							
Accessit Not config	ility Preference D	Remove properties	lamf Connect				_	— D
Rev Proxies		ity Provider Preferences is to control how Jamf Connect authention	cates to an IdP.					
App-To-I	Ver-App VPN	Add/Remove properties				(X) Cancel	E Save	



- 42. Deselect the checkbox for Property twice to clear it's contents.
- 43. Scroll down to the bottom and Select the checkbox for License File. Confirm nothing else is selected. Click Apply.

Add/Remove properties	Add/Remove properties
Add/Remove Properties	Add/Remove Properties
PROPERTY	
V Identity Provider Preferences	Help Menu Preferences
Sign In Window Preferences	Scripting Preferences
Kerberos Preferences	Appearance Preferences
Password Policy Preferences	Unlock Preferences
Keychain Item Preferences	Web Browser Preferences
Certificate Preferences	License File
Custom Property	Custom Property
Property name Add	Property name Add
Cancel Apply	Cancel

44. Confirm a field for License File appears. We need to get our Jamf Connect License in the next step.

Options Scope		
Application & Custom Settings 1 payload configured	Jamf Applications	Remove all + Ad
Jamf Applications	com.jamf.connect Use this section to define settings for Jamf applications.	× ^
External Applications	Jamf Application Domain Version Variant Domain to configure Version of the preference domain Variant o	t f the selected version
Identification Not configured	com.jamf.connect v 2.14.0 v Jamf C	Connect.json Y
) Time Machine Not configured	Preference Domain Properties Properties to configure for the preference domain	Form editor Plist preview
Finder Not configured	Com.jamf.connect Preference Domain: com.jamf.connect, Application: Jamf Connect	
Accessibility Not configured	Add/Remove properties	
Proxies Not configured	License File	
App-To-Per-App VPN Mapping		

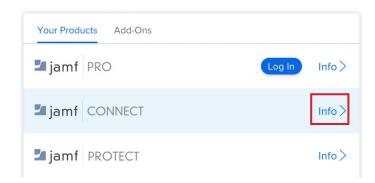


45. Open another web bowser window and go to https://id.jamf.com and login with your Jamf ID that has access to all of your assets.

Log in with your Jamf ID

Email	
Password	
	Forgot Passwor
	Log In

46. Click Jamf Connect from the Product list and click Info.



- 47. Click License File.
- 48. Click Copy license content to Clipboard.

Download Documentation License Fi	e 47
	Download License The license download file can be uploaded to the Jamf Connect Configuration application included in the Jamf Connect download. Download License File Copying your license file content to the Clipboard allows you to paste the Base64 string into a Jamf Pro configuration profile.
	Copy license content to Clipboard



49. Switch back to the Jamf Pro server and paste the license in the License File field. Make sure there are no leading or trailing spaces after you paste it in. Click Scope.

Computers : Configuration Prof ← New macOS Confi		
Options Scope		
Application & Custom Settings 1 payload configured	Jamf Applications 1psyload configured	Remove all + Ado
Jamf Applications	com.jamf.connect Use this section to define settings for Jamf applications.	X ^
External Applications	Jamf Application Domain Version Variant Domain to configure Version of the preference domain Variant of the set	elected version
Lidentification	com.jamf.connect v 2.14.0 v Jamf Conne	ct.json 🗸
Time Machine Not configured	Preference Domain Properties Properties to configure for the preference domain	Form editor Plist preview
Finder Not configured	Test SSO com.jamf.connect Preference Domain: com.jamf.connect, Application: Jamf Connect	
Accessibility Not configured	Add/Remove properties	
Proxies Not configured	License File The costents of a jamfoosectlicense file encoded in Base64 data format	
App-To-Per-App VPN Mapping Not configured		Cancel Save

50. Scope to your needs. This guide will scope to a test Mac Computer. Click Save.

NOTE: We create the license file this way so when it's time to renew your Jamf Connect license, all you need to do is edit the configuration profile with the new license information. This makes it much easier than embedding the license file with the Login and Connect profiles.

Computers : Configuration Profiles ← New macOS Configuration Profile				
Options Scope				
Targets	Limitations	Exclusions		
Target Computers Computers to assign the profile to	Target Users Users to distribute the profile to			
Specific Computers 👻	Specific Users 🔹			
Selected Deployment Targets		+ Add		
TARGET	TYPE			
keith's MacBook Air	Computer	Remove		





51. Create another Configuration Profile. Click New.



- 52. Click the General Payload, then enter the following:
 - A. Name: Jamf Connect AuthChanger
 - B. Category: This guide will use Jamf Connect

NOTE: This configuration profile will ensure Jamf Connect is always enabled as the default login window. There are times when a macOS update can change the login window back to the default macOS login window. This profile will prevent that from happening.

puters : Configuration F New macOS Con ptions Scope	roffies friguration Profile
General	General
Passcode Not configured	Name Display name of the profile Jamf Connect AuthChanger
Network Not configured	Description Brief explanation of the content or purpose of the profile
VPN Not configured	Category Category to add the profile to
DNS Settings Not configured	Level Level at which to apply the profile
DNS Proxy Not configured	Computer Level Distribution Method Method to use for distributing the profile
Content Caching Not configured	Install Automatically Redistribute Profile After Amount of time after which to redistribute the profile
Certificate Not configured	Never

- 53. Expand the Application & Custom Settings payload.
- 54. Click Upload.
- 55. Click Add.

Computers : Configuration Profiles ← New macOS Configuration Profile				
	Options Scope			
53 —	Application & Custom Settings Not configured	^	Upload Use this section to define generic settings for preference domains.	Remove all + Add 55
	Jamf Applications External Applications		•	
54 —	Upload			
	La≡ Identification Not configured			
	Time Machine Not configured			



56		ence Doma ty List: Co		f.connect.authcha pelow and paste ir	nger 1 the Property List fi	eld			
		plist PUBI			/EN" "http://www.ap	ople.com/D	TDs/Pr	opertyList-	1.0.dtd">
	<k< td=""><td>ey>Argume</td><td>ents</td><td></td><td></td><td></td><td></td><td></td><td></td></k<>	ey>Argume	ents						
		-	tring>-reset						
			-	onnect					
	</td <td>array></td> <td>cring, cameo</td> <td>onnooc () bering,</td> <td></td> <td></td> <td></td> <td></td> <td></td>	array>	cring, cameo	onnooc () bering,					
		urruf							
	Computers : Config								
<u> </u>	← Jamf Conr	nect AuthChan	nger						
C		-							
	Options Scop	e							
	Application & Cu	ustom	Upload			Remove all	+ Add		
	Settings	A 1	1 payload configured			Melliove di	1 Add		
	1 payload configure	d							
	Jamf Application	ns	com.jamf.connect.aut			×	~		
			Use this section to define ge	eneric settings for preference domains.					
	External Applica	itions	Burlin Burnin Theory	ame of the preference domain (com.compan					
	Upload		com.jamf.connect.authc		y.appreation	_		<u> </u>	
			Required	nanger				~	
	La Identification								
	Not configured			ning key value pairs for settings in the specif	ied domain.				
	Time Machine		xml version="1.0" enco</td <td></td> <td>www.apple.com/DTDs/PropertyList-1.0.dtd"</td> <td>3</td> <td></td> <td></td> <td></td>		www.apple.com/DTDs/PropertyList-1.0.dtd"	3			
	Ime Machine Not configured		<pre><plist version="1.0"></plist></pre>	e mappienerer eier nonen mapsi	www.appre.combitbairiopertyEarito.com				
			<dict></dict>						
	Finder		<key>Arguments</key>	key>					
	Not configured		<array> <string>-reset<</string></array>					— в	
				Connect				0	
	Accessibility								
	Not configured								
	Proxies		Required						
	666 Not configured		راً Upload						
			- opioad			\otimes	e		
	App-To-Per-App	VPN				0			

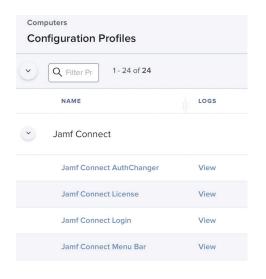
57. Scope to your needs. This guide will scope to a test Mac Computer. Click Save.

Computers : Configuration Profiles ← New macOS Configuration Profile				
Options Scope				
Targets	Limitations	Exclusions		
Target Computers Computers to assign the profile to Specific Computers	Target Users Users to distribute the profile to Specific Users			
Selected Deployment Targets		+ Add		
TARGET	ТҮРЕ			
keith's MacBook Air	Computer	Remove		

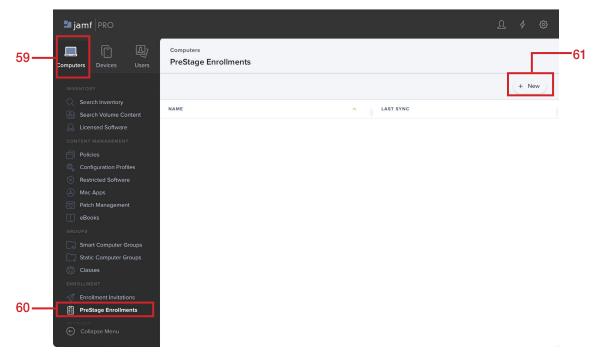




58. Confirm you have the four configuration profiles shown below.



- 59. Click Computers
- 60. Click PreStage Enrollments.
- 61. Click New





- 62. Click the General Payload, then enter the following:
 - A. Display Name: Mac Deployment
 - B. Automated Device Enrollment Instance: Click your instance. This guide will use KDEP-InstructUS ABM
 - C. Configure the rest of the General section to your needs.
 - D. Click the Account Settings payload.

Options Scope			
1	General	>	General
-			Display Name Display name for the PreStage enrollment
× /	Account Settings		Mac Deployment
	Configuration Profiles 4 Profiles		Automated Device Enrollment Instance Automated Device Enrollment Instance to associate with the PreStage enrollment. Devices associated with the selected Automated Device Enrollment Instance can be assigned the PreStage enrollment
	User and Location		KDEP-InstructUS ABM 💌
D F	Purchasing		Automatically assign new devices Automatically assign all new devices to this PreStage enrollment Use existing location information, if applicable
	Attachments D Attachments		Support Phone Number Support phone number for the organization
	Certificates		Support Email Address Support email address for the organization
	Enrollment Packages		
			Department Department to associate with the PreStage enrollment

- 63. Configure the following:
 - A. Create a local administrator account before the setup Assistant. Enable this if needed. This guide will enable it.
 - B. Select the checkbox for Hide managed administrator account in Users & Groups
 - C. Local User Account Type: Select the radio button for Skip Account Creation
 - D. Click the Configuration Profiles payload

Options Scope		
General	Account Settings ×	
Account Settings >	Create a local administrator account before the Setup Assistant Computers enrolled with this PreStage enrollment	
Configuration Profiles	Username Iadmin	
User and Location	Possword	
Purchasing	Verify Password	
C Attachments 0 Attachments	✓ Hide managed administrator account in Users & Groups	
Certificates	Make the local administrator account MDM-enabled	
Enrollment Packages 3 Peckages	Local User Account Type Type of user account to create during enrollment Mainistrator Account Mainistrator Account Standard Account Standard Account Skip Account Creation Fyer Account Creation Pre-fill primary account information	

Cancel Save



- 64. Select the checkboxes for the four Jamf Connect configuration profiles
- 65. Click the Enrollment Packages payload.

	Options Scope							
	🕜 General	Configuration Profiles	@ Configuration Profiles					
	Account Settings Configuration Profiles	CONFIGURATION PROFILE SCOPE To ensure the selected configuration profiles remain installed on computers after enrollment, ensure the scope of the configuration profile includes to computers in the scope of the PROSage enrollment.						
	Configuration Profiles 4 Profiles	NAME	SCOPE					
	Purchasing	Jamf Connect						
	Attachments	Jamf Connect AuthChanger Jamf Connect License	1 computer 1 computer					
-	Certificates	Jamf Connect Login Jamf Connect Menu Bar	1 computer 1 computer					
5—	Enrollment Packages 3 Packages	Kerberos SSO Extension						
		Mac Deployment						
		> Networking						
		> No category assigned						
			· · · · · · · · · · · · · · · · · · ·					

- 66. Add the three packages shown below and Select the radio button for the Cloud Distribution Point (Jamf Cloud) radio button.
- 67. Click Scope.

General	Enrollment Packages	
Account Settings	Distribution Point Distribution point to download the package(s) from	
Configuration Profiles 4 Profiles	Cloud Distribution Point (Jamf Cloud)	
User and Location	JamfConnect.pkg	× (+
Level Purchasing	JamfConnectLaunchAgent.pkg	
Attachments O Attachments	JamConnectLaunchAgent,pxg	× +
Certificates	jamfconnectbranding.pkg	(x) (+
Fincollment Packages 3 Packages	>	



68. Scope to your needs then click Save.

← Mac	PreStage Enrollments Deployment					
Options	Scope					
Q Filter Re	1 - 5 of 5					
Select All	Deselect All					
	DEVICE	SERIAL NUMBER	MODEL	DESCRIP ASSE	T TAG DEVICE ASSIGNMENT STATUS	DEVICE ASSIGN
✓		C02	MacBook Pro	MBP 13.3 SPACE GRAY	Not Assigned	05/07/2022 at 2:00 PM
0	keith's MacBook Air	C02		SPACE	Not Assigned	05/07/2022 at 2:00 PM Yesterday at 11: AM

69. Click Save.

Confirm PreStage Account Settings Creation

PreStage account settings creation may take extended time to s refresh.	ave. Do not

In the next section we will deploy a Mac Computer using the PreStage enrollment created in this section and confirm Jamf Connect is working as expected.

Cancel

Save

This completes this section.



Section 8: Installing Jamf Connect on a Mac Computer with Jamf Pro

In this section we will deploy a Mac computer using the PreStage enrollment created in section 7 and confirm Jamf Connect is installed with all of our customized settings.

Requirements for following along with this section:

- A Mac computer that's brand new in the box or an old Mac computer that was erased and has a new macOS installed (10.15.4 or later). The Mac computer must be enrolled in Apple Business or School Manager and assigned to your PreStage in Jamf Pro. This is required for Automated Device Enrollment using a Jamf Pro PreStage.
- Okta login credentials. We recommend using a NON admin account when logging in at the Jamf Connect Login window to see how role based account creation works. This will create the user on the Mac computer as a standard user which is their role in Okta.

NOTE: This section will NOT walk through all the setup assistant screens as this would be different in every environment based on the settings you used for your PreStage. We will start at the Remote management screen so please follow the on screen instructions that come before the Remote Management screen.

1. At the Remote Management screen, click Continue.

\otimes	
Remote Management	Back Continue
"InstructUs Training Group LLC" can automatically configure your computer.	
Learn more about remote management	

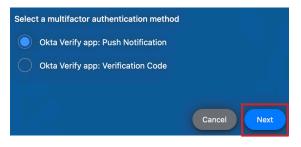
2. After setup assistant is completed, Confirm a customized Jamf Connect Login window. The background is blue, the Wi-Fi logo is visible, Corporate Logo appears, the Login Window message is shown, and the Jamf Connect License has been applied which removed the trial verbiage from the login window. All of our customizations are working. We recommend using a non-admin account when logging in at the Jamf Connect Login window to see how role based account creation works. This will create the user on the Mac Computer as a standard user which is their role in Okta.

Enter your Okta Username and Password then click Log In.





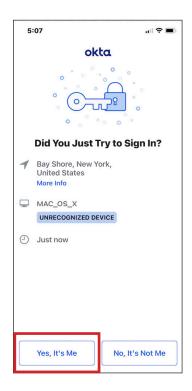
3. Select your MFA authentication method. This guide will use a Push Notification. Click Next.



4. You will be prompted with the message below and a notification will be sent to your phone.

Approve the request in the Okta Verify app on your mobile device
\bigcirc
Cancel Resend

5. Confirm you received a notification on your phone, Tap Yes, It's Me.





- 6. Select the checkbox for I Agree.
- 7. Click Done.

End User License Agreement

HCS EULA

This computer is property of HCS Technology Group. By logging into this computer, you are bound to the policies that you signed off on in our employee handbook.

It is improper and prohibited to use the Systems for any reason unrelated or detrimental to Company business. Some examples of improper use include, but are not limited to: i. Accessing or transmitting proprietary information, customer information or confidential

i. Accessing of anismicing proprietary information, customer information of connectuar employee information for non-work-related purposes.
 ii. Tampering with the Systems in any way, including but not limited to computer viruses, worms, changes in email rules, or attempting to circumvent or bypass System security measures.
 iii. Unauthorized password use, logon, or use of another users information.

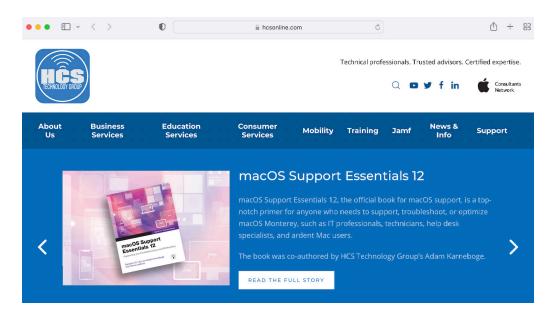
- iv. Online contests, games, gaming, or gambling.
- Bulk emailing. V.

Chain emails as well as documents or emails containing discriminatory, harassing, obscene, indecent, offensive, abusive or otherwise threatening or unlawful.

vii. Downloading software onto the Systems.



8. Confirm the login script is working. Once logged in, Safari will open and go to: https://hcsonline.com This is using the login script we configured in section 5.





9. Confirm the custom Menu Bar icon is there and the connection script we created is working. Reconnect to Okta by selecting the Jamf Connect Menu Bar icon, which should be customized to your branded logo if you followed along with this guide. Click Connect.



10. Click OK.

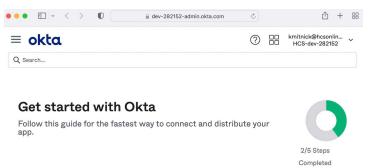
Choose a multi-factor authentication method:				
OKTA push		\bigcirc		
Automatically push last multifactor	Cancel	ОК		

11. Confirm you received a notification on your phone, Tap Yes, It's Me.

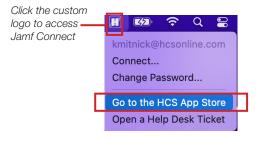
5	:07	" (s) (s)			
	ok	ta			
	Did You Just T	ry to Sign In?			
1	Bay Shore, New Yo United States More Info	ork,			
	MAC_OS_X				
	UNRECOGNIZED DE	VICE			
0	Just now				
		1			
	Yes, It's Me	No, It's Not Me			



12. If the connection was successful, Safari will open and will sign you into your Okta user account. Our Menu Bar script is working!



13. Confirm the customized menu items are working. Click the Jamf Connect Menu Bar icon and select Go to the HCS App Store.



14. The Self Service application will open.

Self Service	Browse FileVault Tools		AZ ;
Q Search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search Image: Constraint of the search <th>Disable & Enable FileVault User Run</th> <th>Disable FileVault User</th> <th>Enable FileVault User</th>	Disable & Enable FileVault User Run	Disable FileVault User	Enable FileVault User
	FileVault Authenticated Restart Run	Rotate FileVault Key Run	



15. Confirm the customized menu items are working. Click the Jamf Connect Menu Bar icon and select Open a Help Desk Ticket.



16. Safari will open and go to: https://hcstech.zendesk.com/hc/en-us

2 + 1 ··································
Submit a request
Q, Search
Community browse
RECENT ACTIV ? Support

NOTE: If you want to check the role of the user that you just logged in as, Open System Preferences and select Users & Groups. Select your user account and it will be listed as either an Admin or Standard user based on the role assigned to your account in Okta.

The next section is optional. We will discuss configuring Jamf Connect Notify which is a screen that can display a progress bar, customized text, and images during Automated Device Enrollment.

This completes this section.



Section 9: Configure Jamf Connect Notify

This section is optional and assumes you followed the guide from the beginning. Items discussed in this section build upon other sections in this guide. In this section we will discuss configuring Jamf Connect Notify which is a screen that can display a progress bar, customized text, and images during Automated Device Enrollment. This allows an organization to install required applications when the user logs in for the first time. The entire screen is taken over by Notify allowing the installation process to complete before the Mac computer can be used by the user.

Requirements for following along with this section:

- A Mac computer that's brand new in the box or an old Mac computer that was erased and has a new macOS installed (10.15.4 or later). The Mac computer must be enrolled in Apple Business or School Manager and assigned to your PreStage in Jamf Pro. This is required for Automated Device Enrollment using a Jamf Pro PreStage.
- The notify.sh script is provided in the download files for this guide. This script assumes you have two polices created to install Firefox and Google chrome using a custom trigger for each policy. Firefox is using the custom trigger named: InstallFirefox and Google Chrome is using the custom trigger named: InstallGoogleChrome. Please edit this script to install items to your needs before continuing with this section.
- Administrative access to your Jamf Pro server.
- Okta login credentials. We recommend using a non-admin account when logging in at the Jamf Connect Login window to see how role based account creation works. This will create the user on the Mac computer as a standard user which is their role in Okta.
- 1. Using a web browser of your choice, Log in to your Jamf Pro server.



- 2. Click Computers.
- 3. Click Configuration Profiles.

	jamf PRO		ይ 👂 🛱
2	Computers Devices Users	Computers Configuration Profiles	
~	Policies	Q Filter Pr 1 - 32 of 32	+ New ① Upload i III III
3	Configuration Profiles	NAME LOGS	COMPLETED PENDING FAILED SCOPE



4. Select the Jamf Connect Login configuration profile.

 Jamf Connect
Jamf Connect AuthChanger
Jamf Connect License
Jamf Connect Login
Jamf Connect Menu Bar

5. Click Clone.

NOTE: We are cloning this to create a second configuration profile named Jamf Connect First Login that will include the Notify string and the EULA. This is required to use Notify during an Automated Device Enrollment. This profile will be removed after Notify has ran once and will be replaced by another profile named Jamf Connect Login which will stop Notify and the EULA from running at every login.

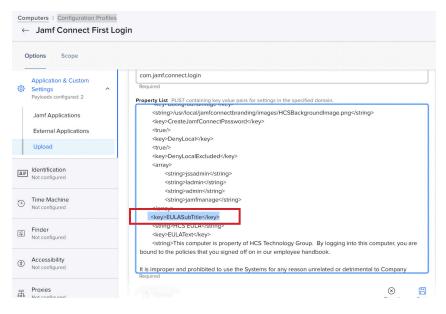
Options Scope	Show in Jamf Pro Dashboard
General	General
Application & Custom	Name Display name of the profile Jamf Connect Login
Settings	
	Category Category to add the profile to Jamf Connect
	Level Level at which to apply the profile Computer Level V
	Distribution Mathed Middad to use for dia. Dira mar. 🕼 🔄 🖄 🗍 🗍



- 6. Click the General payload.
- 7. Change the name to Jamf Connect First Login.

Options Scope	
ଦ୍ଧ୍ତି, General	General
	Name Display name of the profile
Passcode Not configured	Jamf Connect Notify
	Description Brief explanation of the content or purpose of the profile
Network Not configured	
VPN	Category Category to add the profile to
Not configured	Jamf Connect
DNS Settings	
Not configured	Level at which to apply the profile
	Computer Level 🔻

8. Scroll down in the Property List section until you find the key named EULASubTitle as shown below.





9. Add the XML listed below above the EULASubTitle key.

<key>EULAPath</key>

<string>/Users/Shared</string>

NOTE: We are doing this to record the user accepting the EULA. The acceptance is saved in a file located at /Users/Shared. This file is created automatically by Jamf Connect.

Coi	nputers : Configuration Profiles - Jamf Connect First L	
c	Options Scope	
٥	Application & Custom Settings ^ Payloads configured: 2	Upload Payloads configured: 2 + Add
	Jamf Applications External Applications	com.jamf.connect.login Use this section to define generic settings for preference domains.
	Upload	Preference Domain The name of the preference domain (com.company.application)
₽≡	Identification Not configured	com.jamf.connect.login Required Property List PLIST containing key value pairs for settings in the specified domain.
9	Time Machine Not configured	<pre> dray></pre>
Ŧ	Finder Not configured	<string>admin</string> <string>jamfmanage</string> <tr< td=""></tr<>
٢	Accessibility Not configured	<pre><key>EULAPath</key> <stning>/Users/Shared <key>EULASubTitle</key> <stning>HCS EULASubTitle</stning></stning></pre>
Æ	Proxies Not configured	<pre> </pre>
ð	App-To-Per-App VPN Mapping	It is improper and prohibited to use the Systems for any reason unrelated or detrimental to Company business. Some examples of improper use include, but are not limited to:

10. Scroll down to the bottom of the Property List section and select the key shown below.

Computers : Configuration Profiles ← Jamf Connect First Log	gin	
Options Scope		
Application & Custom Settings 1 payload configured Jamf Applications External Applications	<pre></pre>	
Upload Identification Not configured	<pre><key>OIDCNewPassword</key> <false <key="">OIDCProvider <string>Okta</string> <key>OIDCPoolder</key> <string>OIDCPoolder <key>OIDCPedirectURV:key> <string>https://1270.01/jamfconnect</string></key></string></false></pre>	
Not configured	<key>OIDCSecondaryLoginClientID</key> <string> 00: Js4x7 </string> <key>CeriptPathe/Rey> <string>/usr/local/jamfconnectbranding/scripts/loginWindow.sh.</string></key>	
Finder Not configured	<pre></pre> <pre>Required</pre>	
Accessibility Not configured	1 Upload	
Proxies Not configured	(a Can	-



11. Remove loginWindow.sh from the string and replace it with notify.sh. This will allow us to run Notify on first login

0	ptions Scope		
63	Application & Custom Settings	Preference Domain The name of the preference domain (com.company.application)	
	Payloads configured: 2	com.jamf.connect.login	
1	laws Analizations	Required	
	Jamf Applications	Property List PLIST containing key value pairs for settings in the specified domain.	
	External Applications	<string>ladmin</string>	
	Upload	<string>admin</string>	
		<string>jamfmanage</string>	
	11.00.0		
Ŧ	Identification Not configured	<key>OIDCAccessClientID</key>	
	noroomgarea	<string>Ooa eJs4x7</string> <key>OIDCAdminClientID</key>	
	Time Machine	<string>Ooa 4x7</string>	
)	Not configured	<key>OIDClgnoreAdmin</key>	
	and the second	<false></false>	
	Finder	<key>OIDCNewPassword</key>	
	Not configured	<false></false>	
		<key>OIDCProvider</key> <string>Okta</string>	
	Accessibility	<key>OIDCRedirectURI</key>	
)	Not configured	<string>https://127.0.0.1/jamfconnect</string>	
		<key>OIDCSecondaryLoginClientID</key>	
	Proxies	<string> 0oa7 3 Js4x7 </string>	
2	Not configured	<key>ScriptPath</key>	
		<pre><string>/usr/local/jamfconnectbranding/scripts notify.sh⁺/string> </string></pre>	

12. Scroll up and click Add to create an additional payload.

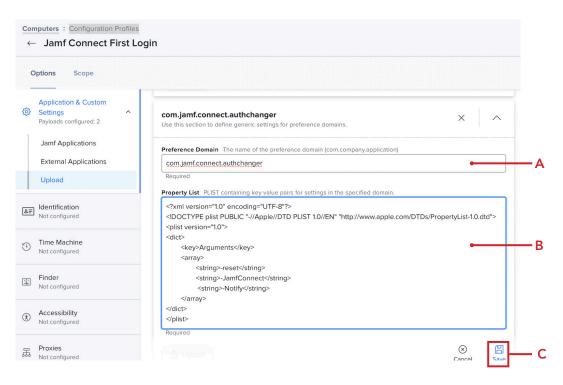
0	ptions Scope			
ø	Application & Custom Settings ^ 1 payload configured	Upload 1 payload configured	all	⊢ Ad
	Jamf Applications External Applications	com.jamf.connect.login Use this section to define generic settings for preference domains.	×	^
	Upload	Preference Domain The name of the preference domain (com.company.application)		
£₽	Identification Not configured	com.jamf.connect.login Required Property List PLIST containing key value pairs for settings in the specified domain.		
1	Time Machine Not configured	<pre><?xml version="1.0" encoding="UTF-8"?> <!DOCTYPE plist PUBLIC ".//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/Prope <plist version="1.0"> </pre>	tyList-1.0.d	td">
Ţ	Finder Not configured	<dict> <key>AllowNetworkSelection</key> <true></true></dict>		
Ì)	Accessibility Not configured	<key>AuthServer</key> <ti><tring>dev</tring></ti> .okta.com <key>BackgroundImage</key> <string>/susr/local/jamtconnectbranding/images/HCSBackgroundImage.png</string>		
H	Proxies Not configured	<pre><key>CreateJamfConnectPassword</key> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>		



- 13. Scroll down to the newly created payload and enter the following:
 - A. Preference Domain: com.jamf.connect.authchanger
 - B. Property List: Paste in the XML below.
 - C. Click Save.

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

NOTE: This payload will allow us to run Notify on first login and will ensure Jamf Connect is the default login window during first login.





- 14. Click Computers
- 15. Click Smart Computer Groups.
- 16. Click New.

NOTE: We are creating a smart group to find a file named com.jamf.connect.InitialRunDone. pkg which gets created at the end of the notify.sh script. This will let us know that Notify has ran and will allow us to use this criteria in a smart group. Notify and the EULA only need to run once and we need a way to remove the Jamf Connect Login configuration profile so it does not run at every login.

	┛ jamf 🛛 PRO		<u>८</u>
14—	Computers Devices Users	Computers Smart Computer Groups	16
			+ New
	Search Inventory	NAME	∧ COUNT
	CONTENT MANAGEMENT		
	Policies Configuration Profiles		
	Restricted Software		
	 Mac Apps Patch Management 		
	GROUPS		
15—	Smart Computer Groups		

- 17. Enter the following:
 - A. Display Name: Jamf Connect Notify Completed B. Click Criteria

New Sma	rt Computer Group	
Computer Group	Criteria	
splay Name Display	r name for the smart computer group	
	/ Completed	





18. Click Add.

Computers : Smart (← New Smart	Computer Groups t Computer Gr	oup		
Computer Group	Criteria			
AND/OR	CRITERIA	OPERATOR	VALUE	
				+ Add

19. For Application Title, click Choose.

Computers : Smart Computer Groups ← New Smart Computer Group	
Computer Group Criteria	
NEW CRITERIA	Show Advanced Criteria
Application Title	Choose
Application Version	Choose

20. Click Choices (⊕).

omputer Group	Criteria					
0/OR		CRITERIA	OPERATOR	VALUE		
	•	Application Title	is 🔹	1	000	▼ Delet
						+ 4



21. Scroll down until you find Jamf Connect.app, then click Choose.

Computers : Smart C ← New Smart	omputer Groups Computer Group	
Computer Group	Criteria	
Jamf Connect.app		Choose
Jamf Imaging.app		Choose

22. Click Add.

← New Smart Co	mputer Group			
Computer Group Cr	iteria			
ND/OR	CRITERIA	OPERATOR	VALUE	
•	Application Title	is 💌	Jamf Connect.app ••••	▼ Delete

23. Click the Show Advanced Criteria button.

omputers : Smart Computer Groups	
← New Smart Computer Group	
Computer Group Criteria	
NEW CRITERIA	Show Advanced Criteria
NEW ONTENIN	
Application Title	Choose

24. Scroll down to find Packages Installed By Casper then click Choose.

mputers : Smart Computer Groups - New Smart Computer Group	
Computer Group Criteria	
Packages Installed By Casper	Choose
Packages Installed By Installer.app/SWU	Choose
Partition Name	Choose
Password History	Choose
Password Type	Choose
Patch Reporting Software Title	Choose



25. Configure the following:

- A. AND/OR: Make sure "and" is selected
- B. OPERATOR: has
- C. VALUE: com.jamf.connect.InitialRunDone.pkg D. Confirm your settings look like what is shown in the picture below
- E. Click Save

NOTE: com.jamf.connect.InitialRunDone.pkg is case sensitive.

Computer Group Criteri	a 			
AND/OR	CRITERIA	OPERATOR	VALUE	
•	Application Title	is 🔹	Jamf Connect.app ••••	▼ Delete
and 💌 💌	Packages Installed By Casper	has 👻	com.jamf.connect.Initia	• Delete
				+ Add

- 26. Click Computers.
- 27. Click Configuration Profiles.

	🛂 jami	PRO							ম	1	ŝ
26—	Computers	[Devices	டி) Users	Computers Configuration Pro	files						
07	Polic	MANAGEMEN ties		V Q Filter Pr	1 - 32 of 32			+ New 🖞 Uplo	bad	(≡)	88
27 —		figuration Pro		NAME	LOGS	COMPLETED	PENDING	FAILED		SCOPE	

28. Click the Jamf Connect AuthChanger configuration profile.





29. Click Scope

30. Click Edit.

Options Scope		Show in Jamf Pro Dashboard
Targets	Limitations	Exclusions
Target Computers Computers to assign the profile to	Target Users Users to distribute the profile to	
Specific Computers	Specific Users 🔹	
ARGET	TYPE	
MacBook Air	Computer	

31. Remove any previously scoped devices by clicking Remove.

32. Click Add.

<u></u>		
Targets	Limitations	Exclusions
Farget Computers Computers to assign the profile to	Target Users Users to distribute the profile to	
Specific Computers	▼ Specific Users ▼	
lected Deployment Targets		(+ Add
	TYPE	
RGET		



33. Follow these steps:

- A. Click Computer Groups
- B. Click Add for the Jamf Connect Notify Completed group.
- C. Click Done

Options Scope				
Targets		Limitations	Exc	clusions
Add Deployment Target	S			Done
Add Deployment Target	S Computer Groups	Users User Groups	s Buildings	Done
		Users User Groups	Buildings	
Computers		Users User Groups	s Buildings	

- 34. Confirm the Jamf Connect Notify Completed group is listed.
- 35. Click Save.

NOTE: This will ensure that only Mac Computers that completed installing Jamf Connect and ran Notify will get this profile. This profile does NOT include the Notify string and will ensure Jamf Connect is the default Login Window on the Mac Computer.

Computers : Configuration Profiles ← Jamf Connect AuthChange	r	
Options Scope		
Targets	Limitations	Exclusions
Target Computers Computers to assign the profile to	Target Users Users to distribute the profile to	
Specific Computers	Specific Users 🔹	
Selected Deployment Targets		+ Add
TARGET	ТҮРЕ	
Jamf Connect Notify Completed	Smart Computer Group	Remove





36. Confirm a message appears on how to redistribute the profile, pick what works best for you. This guide will choose distribute to all. Click Save.

Redistribution Options

i I mere	s 1 computer with	this prome ins	italieu.	
	to All stribute to All" to dis hat already have this			ncluding
Choose "Di	to Newly Assigned stribute to Newly As n scope that do not	signed Devices	only" to distribute	

37. Click the Jamf Connect First Login configuration profile.

Jamf Connect
Jamf Connect AuthChanger
Jamf Connect First Login
Jamf Connect License
Jamf Connect Login
Jamf Connect Menu Bar

38. Click Scope.

Computers : Configuration Profiles ← Jamf Connect First L			
Options Scope		(Show in Jamf Pro Dashb
Targets	Limitations		Exclusions
	Target Users		
Target Computers Computers to assign the profile to	Users to distribute the profile to		
		×	
Computers to assign the profile to	Users to distribute the profile to	×	

() History Logs

ل_ Download D) Clone Delete

C

- 39



- 40. Click Exclusions.
- 41. Click Add.

Computers : Configuration P ← Jamf Connect Fi				
Options Scope				
Targets		Limitations	Exclusions	40
Selected Exclusions			+ Add] 41
EXCLUSION	TYPE			
No Exclusions				
			Cancel Save	

- 42. Follow these steps:
 - A. Click the Computer Groups tab
 - B. Add the Jamf Connect Notify Completed group.
 - C. Click Done

<u></u>						
Targets		Limitations			Exclusions	
Add Exclusions	User Groups Buildings	Departments	Network Segments	LDAP/Local Users	LDAP User Groups	Done
Q Filter Re 1 - 10 of 10						
GROUP NAME						



43. Confirm the Jamf Connect Notify Completed group is listed.

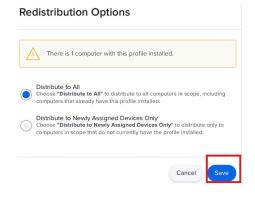
44. Click Save.

NOTE: This will ensure that the Jamf Connect First Login profile gets removed from a Mac Computer once Jamf Connect has been installed and Notify has run. This will stop Notify and the EULA from running at every login to your Mac computer.

Computers : Configuration Profiles ← Jamf Connect First Log	gin	
Options Scope		
Targets	Limitations	Exclusions
Selected Exclusions		+ Add
Selected Exclusions	ТҮРЕ	+ Ad



45. Confirm a message appears on how to redistribute the profile, pick what works best for you. This guide will choose distribute to all. Click Save.



Let's edit the Jamf Connect Login configuration profile to remove the EULA. The EULA was originally part of this profile when created in section 5 of this guide.

- 46. Click Computers.
- 47. Click Configuration Profiles.

	🞜 jamf PRO		L 🖗 🕸
46—	Computers Devices Users	Computers Configuration Profiles	
47	Policies	 Q Filter Pr 1- 32 of 32 	+ New (D Upload 🗄 🗄
47—	Configuration Profiles Restricted Software	NAME LOGS COMPLETE	D PENDING FAILED SCOPE



48. Click the Jamf Connect Login configuration profile.

$\overline{}$	Jamf Connect
	Jamf Connect AuthChanger
	Jamf Connect First Login
	Jamf Connect License
	Jamf Connect Login
	Jamf Connect Menu Bar

- 49. Expand the Application & Custom Settings payload.
- 50. Click Upload,
- 51. Click Edit.

Options Scope • General • Upload • Options • Com.jamf.connect.login Use this section to define generic settings for preference domains. Upload Preference Domain The name of the preference domain (com.company.application) Upload File PUST file containing key value pairs for settings in the specified domain ·// The containing key value pairs for settings in the specified domain ·// The containing key value pairs for settings in the specified domain ·// Poloct Pipe Jist Public("-//Apple//DTD PLIST 1.0//EN" *http://www.apple.com/DTDs/PropertyList-1.0. ·// City ·// «dicy vec/>		ow in Jamf Pro	^
Application & Custom Payload configured Upload Upload Preference Domain The name of the preference domain (com.company.application) Upload File PLIST file containing key value pairs for settings in the specified domain xml version="1.0" encoding="UTF-8"?		com.jamf.co	
Image: Settings is payload configured Com.jamf.connect.login Upload Use this section to define generic settings for preference domains. Preference Domain The name of the preference domain (com.company.application) Upload Preference Domain The name of the preference domain (com.company.application) Upload File PUST file containing key value pairs for settings in the specified domain xml version="1.0" encoding="UTF-8"? <doctype *="" *http:="" 1.0="" apple="" dtd="" dtds="" en"="" pite="" plist="" propertylist-1.0.<="" td="" uplic"="" www.apple.com=""> Control of the Containing *'O'> <dp></dp></doctype>		com.jamf.co	
Upload File PLST file containing key value pairs for settings in the specified domain xml version="1.0" encoding="UTF-8"? <idoctype "http:="" *="" 1.0="" apple="" dtd="" dtds="" en*="" plist="" propertylist-1.0.<="" public="" td="" www.apple.com=""> <plist <="" eversion="1.0" td=""> <dict> <key>AllowNetworkSelection</key></dict></plist></idoctype>	-14 - 19-	com.jamf.co	nnect.login
PLIST file containing key value pairs for settings in the specified domain xml version="1.0" encoding="UTF-8"? <idoctvpe "http:="" *="" 1.0="" <pre="" apple="" dtd="" dtds="" en"="" plist="" propertylist-1.0.="" public="" www.apple.com="">cplist version="1.0" <dict> <dict> <di><dict></dict></di></dict></dict></idoctvpe>	4.0		
<idoctype "http:="" *="" 1.0="" apple="" dtd="" dtds="" en*="" plist="" propertylist-1.0.<br="" public="" www.apple.com=""><plist version="1.0"> <dict> <key>AllowNetworkSelection</key></dict></plist></idoctype>	14 -19-		
<dict> <key>AllowNetworkSelection</key></dict>	.ata >		
 			
<key>Backgroundimage</key> <string>/usr/localijamfconnectbranding/images/HCSBackgroundimage.png</string> <key>CreateJamfConnectPassword</key>			
<tree> <key> ctree> <tree> <tree> <tree> <tree> </tree></tree></tree></tree></key></tree>			
<key>DenyLocalExcluded</key>			



52. In the Property List section, Select everything between the EULASubTitle key and the End User License Agreement key and delete it. This will remove the EULA from this configuration profile as we no longer need it.

~	- Jamf Connect Login	
c	Options Scope	
0	Application & Custom Settings ^ 1 payload configured	Upload Remove all + A
	Jamf Applications External Applications	com.jamf.connect.login Use this section to define generic settings for preference domains.
1	Upload	Preference Domain The name of the preference domain (com.company.application)
		com.jamf.connect.login
3F	Identification Not configured	Required
Ð	Time Machine Not configured	Property List _PUST containing key value pairs for settings in the specified domain. skey>EULASUBTIES setting>HCS EULA/stirting> <key>EULAText</key>
2	Finder Not configured	-string-This computer is property of HCS Technology Group. By logging into this computer, you are bound to the policies that you signed off on in our employee handbook. It is improper and prohibited to use the Systems for any reason unrelated or detrimental to Company business. Some examples of improper use include, but are
Ð	Accessibility Not configured	not limited to: L. Accessing or transmitting proprietary information, customer information or confidential employee information for non-work-related purposes. II. Tampering with the Systems in any way, including but not limited to computer viruses, worms, changes in email rules, or attempting to circumvent or
F	Proxies Not configured	bypass System security measures. III. Unauthorized password use, logon, or use of another users information. IV. Online contests, games, gaming, or gambling. V. Buke enalling. V. Buke enalling
5	App-To-Per-App VPN Mapping Not configured	 vi. Chain emails as well as documents or emails containing discriminatory, harassing, obscene, indecent, offensive, abusive or otherwise threatening or unlawful. viii. Downloading software onto the Systems.
1	Xsan Not configured	<pre><key>EULATIte</key> <sting>End User License Agreement </sting></pre>
1	Smart Card Not configured	也 Upload
-	System Migration Not configured	

53. Confirm the EULA keys are gone, then click Scope.

Options Scope		
Application & Custom	Upload Ipayload configured	Remove all + A
Jamf Applications External Applications	com.jamf.connect.login Use this section to define generic settings for preference domains.	×
Upload	Preference Domain The name of the preference domain (com.company.application)	
Identification Not configured	Com.jamf.connect.login Regired Regired Property List . PLIST containing key value pars for settings in the specified domain.	
Time Machine Not configured	<pre><kry>DenyLcollbxcluded/sky> <array> <array> <array> <array> <array> array>logitima> </array> </array> </array></array></array></kry></pre>	
Finder Not configured	 during volumit ~ its imp> during jamim ~ its imp> during jamim anage during jamim anage 	
Accessibility Not configured	<pre><key>HelpUR:</key> <stission< pre=""></stission<></pre>	
Proxies Not configured	<pre></pre> citality">citalitycitalitycitality 	
App-To-Per-App VPN Mapping Not configured	<tringproperty (866)="" 518-9672<="" call="" found,="" group.="" hcs="" if="" of="" please="" technology="" ti=""></tringproperty>	
Xsan Not configured	<pre><</pre>	
Smart Card Not configured	<string>amfmanage<fstring> <key>ODCAccessClientD</key></fstring></string>	
System Migration	<tracescolar activ<="" active="" last="" td=""><td>Cancel St</td></tracescolar>	Cancel St



- 54. Remove any previously scoped devices.
- 55. Click Add.

Computers : Configuration Profiles ← Jamf Connect Login		
Options Scope		
Targets	Limitations	Exclusions
Target Computers Computers to assign the profile to Specific Computers	Target Users Users to distribute the profile to V Specific Users	
Selected Deployment Targets		(+ Add 55
TARGET	ТҮРЕ	
MacBook Air	Computer	Remove 54
		⊗ ≅ Cancel Save

- 56. Follow these steps:

 - A. Click Computer GroupsB. Add the Jamf Connect Notify Completed group.
 - C. Click Done

Targets	Limitations	Exclusions	
Add Deployment Targets		1	Done
Computers Computer Gr	oups Users User Groups	Buildings Departme	nts
Computers Computer Gr	oups Users User Groups	Buildings Departme	nts
	OUDDS Users User Groups	Buildings Departme	nts
Q Filter Re 1 - 10 of 10	oups Users User Groups	Buildings Departme	Add
Q Filter Re 1 - 10 of 10	oups Users User Groups	Buildings Departme	



57. Confirm the Jamf Connect Notify Completed group was added 58. Click Save.

Options Scope		
Targets	Limitations	Exclusions
Target Computers Computers to assign the profile to Specific Computers	Target Users Users to distribute the profile to Specific Users	
Selected Deployment Targets		+ Add
TARGET	ТҮРЕ	
Jamf Connect Notify Completed	Smart Computer Group	Remove

- 59. Click Computers
- 60. Click PreStage Enrollments.
- 61. Click on your PreStage. This guide will use the Mac Deployment PreStage.

	Jamf PRO	L 🗲 🕸	
59 —	Computers Devices Users	Computers PreStage Enrollments	
		+ New	
	Search Inventory	NAME A LAST SYNC	
	💭 Licensed Software	Mac Deployment	- 61
	CONTENT MANAGEMENT		
	Policies		
	Configuration Profiles		
	Restricted Software		
	A Mac Apps		
	Patch Management		
	eBooks		
	GROUPS		
	Smart Computer Groups		
	Static Computer Groups		
	(ဂို) Classes		
	ENROLLMENT		
60—	Enrollment Invitations		
00-	PreStage Enrollments		
	Collapse Menu		



- 62. Select the Configuration Profiles payload
- 63. Click Edit.

Options Scope		
La Settings		
Configuration Profiles 4 Profiles	Configuration Profiles	Configuration Profiles
User and Location	Jamf Connect	
Purchasing	Jamf Connect AuthChanger	Jamf Connect Notify Completed
	Jamf Connect First Login	1 computer, Jamf Connect Notify Completed excluded
Attachments 0 Attachments	Jamf Connect License	1 computer
_	Jamf Connect Login	1 computer
Certificates	Jamf Connect Menu Bar	1 computer
Enrollment Packages 3 Packages	SSO Extension	
		④ scope d 🖺 ed 🖞 🗹 History Clone Delete Edit

- 64. Deselect the checkbox for Jamf Connect AuthChanger profile.
- 65. Select the checkbox for Jamf Connect First Login profile.
- 66. Click Save.

Optio	ons Scope			
⊥ s	ettings		enroliment, ensure the scope of the conligura the scope of the PreStage enrollment.	nuon prome includes the computers in
P	onfiguration rofiles > Profiles		NAME	SCOPE
	ser and ocation	•	Jamf Connect	
<u>_</u>	urchasing	•	Jamf Connect AuthChanger	Jamf Connect Notify Completed
	ttachments	• 🗸	Jamf Connect First Login	1 computer, Jamf Connect Notify Completed excluded
	Attachments		Jamf Connect License	1 computer
C	ertificates		Jamf Connect Login	1 computer
	ertificates		Jamf Connect Menu Bar	1 computer
😂 Р	nrollment ackages Packages	·	Kerberos SSO Extension	



67. Click Save.

Confirm PreStage Account Settings Creation

PreStage account settings creation may take extended time to save. Do not refresh.



In the next section, we will deploy a Mac Computer via Automated Device Enrollment to see the Notify and EULA screens in action.

This completes this section.



Section 10: Deploying a Mac Computer with Jamf Connect Notify

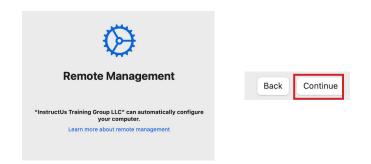
This section is optional and assumes you followed the guide from the beginning. Items discussed in this section build upon other sections in this guide. In this section we will deploy a Mac computer using the PreStage enrollment that we edited in section 9 and confirm Jamf Connect Notify runs after the first login. We will also confirm the Jamf Connect First Login Profile is no longer on the Mac computer after Notify runs and the AuthChanger profile is installed after Notify has completed.

Requirements for following along with this section:

- A Mac computer that's brand new in the box or an old Mac computer that was erased and has a new macOS installed (10.15.4 or later). The Mac computer must be enrolled in Apple Business or School Manager and assigned to your PreStage in Jamf Pro. This is required for Automated Device Enrollment using a Jamf Pro PreStage.
- Okta login credentials. We recommend using a NON admin account when logging in at the Jamf Connect Login window to see how role based account creation works. This will create the user on the Mac computer as a standard user which is their role in Okta.

NOTE: This section will NOT walk through all the setup assistant screens as this would be different in every environment based on the settings you used for your PreStage. We will start at the Remote management screen so please follow the on screen instructions that come before the Remote Management screen.

1. At the Remote Management screen, click Continue.

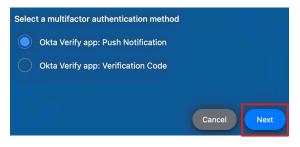


2. Enter your Okta Username and Password then click Log In.





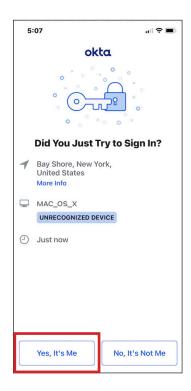
3. Select your MFA authentication method. This guide will use a Push Notification. Click Next.



4. You will be prompted with the message below and a notification will be sent to your phone.

Approve the request in the Okta Verify app on your mobile device
\bigcirc
Cancel Resend

5. Confirm you received a notification on your phone, Tap Yes, It's Me.





- 6. Select the checkbox for I Agree.
- 7. Click Done.

End User License Agreement

HCS EULA

This computer is property of HCS Technology Group. By logging into this computer, you are bound to the policies that you signed off on in our employee handbook.

It is improper and prohibited to use the Systems for any reason unrelated or detrimental to Company business. Some examples of improper use include, but are not limited to: i. Accessing or transmitting proprietary information, customer information or confidential employee information for non-work- related purposes. ii. Tampering with the Systems in any way, including but not limited to computer viruses, worms, changes in email rules, or attempting to circumvent or bypass System security measures. iii. Unauthorized password use, logon, or use of another users information.

Unautorized password use, logon, or use of another users information.
 Online contests, games, gaming, or gambling.
 Bulk emailing.
 Chain emails as well as documents or emails containing discriminatory, harassing, obscene, indecent, offensive, abusive or otherwise threatening or unlawful.
 Vii. Downloading software onto the Systems.

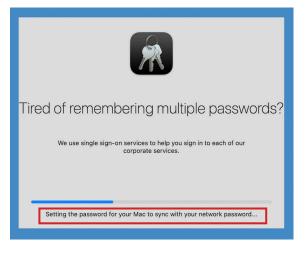


8. The Notify welcome screen will be displayed.

Welcome, Your Mac is now enrolled and will be automatically configured for you.
Preparing your new Mac



9. Notify will display different screens based on its progression.



10. Notify will let you know when applications are being installed.

E
Self Service makes Mac life easier Self Service includes helpful bookmarks and installers for other applications that may interest you.
Installing Self Service

11. Another application being installed. You can add custom icons if needed. NOTE: Customizing Notify is not covered in this guide.

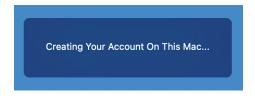
Installing everything you need for your first day
All the apps you will need today are already being installed. When setup is complete, you'll find Microsoft Office, Slack, and Zoom are all ready to go. Launch apps from the Dock and have fun!
Installing Firefox



12. Notify will let you know when it's finishing up the install.

A
Installing everything you need for your first day All the apps you will need today are already being installed. When setup is complete, you'll find Microsoft Office, Slack, and Zoom are all ready to go. Launch apps from the Dock and have fun!
Finishing up We're almost ready for you,

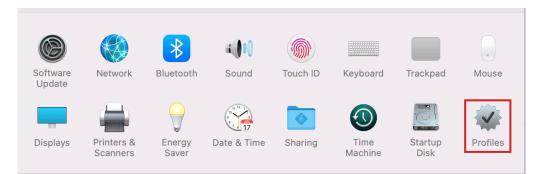
13. When Notify is done, Your account will be created on the Mac computer.



14. Open System Preferences.



15. Click Profiles.





16. Confirm the Jamf Connect First Login profile is no longer installed and the Jamf Connect AuthChanger profile is installed. Quit system preferences when done.

rice (Managed)	Jamf Connect AuthChanger
Jamf Connect AuthC 1 setting	Keith Michael Music, LLC Verified
Jamf Connect License	Signed JSS Built-In Signing Certificate
	Installed Sep 7, 2022 at 3:26 PM
Jamf Connect Login 1 setting	
Jamf Connect Menu	Settings Custom Settings
1 setting	
Jamf Connect Notific	DETAILS
1 setting	Custom Settings
Jamf Connect PPPC	Description Custom Settings
1 setting	com.jamf.connect.auth {
Jamf Notifications	changer Forced = (
1 setting	{ "mcx_preference_settings" =
MDM Profile	{
3 settings	Arguments = (
Duline Duchesses	"-reset", "-JamfConnect"

18. Navigate to /Users/Shared. You will see a file similar to the file shown below. This is an audit file that got created when the EULA was accepted by the user that logged into the Mac computer. NOTE: You can create an extension attribute to search for a file that contains the word Accepted in the name. Once done, you can create a smart group to find all Mac computers that contain that file which means the EULA has been accepted by the user. This is great for reporting purposes.

< > Shared	
Name	
Accepted-2022-09-07-152406	

If you want to be sure that Notify and the EULA will NOT run again, logout as the user then log back in to confirm all is working as expected.

In the next section we will cover configuring Jamf Unlock.

This completes this section.



Section 11: Configure Jamf Connect Unlock

This section is optional and assumes you followed the guide from the beginning. Items discussed in this section build upon other sections in this guide. In this section we will configure Jamf Unlock. Jamf Unlock is a mobile app that enables users to unlock their Mac computer without using a password. With Jamf Unlock, users complete a setup process to generate identity credentials (a certificate) on their mobile device and pair the device with their Mac computer. Once complete, users can use the app to authenticate in the following scenarios:

- Logging into a Mac computer NOTE this only works at the default Mac computer's Login Screen and not the Jamf Connect Login screen. If using Jamf Connect at the login window, Jamf Unlock will only allow you to unlock your Mac computer from the lock screen.
- Changing settings in System Preferences
- Installing software updates
- Executing commands with root privileges using the sudo command

Requirements for following along with this section:

- A Mac computer managed in Jamf Pro running macOS 11 or later.
- An iOS 15 or iPadOS 15 device with a passcode and Face ID or Touch ID enabled.
- The Jamf Unlock app, Version 1.4.0 or later, and installed on your iOS device via Managed App Distribution from Jamf Pro.
- Jamf Connect version 2.14.0 or later.
- Admin access to your Mac Computer.
- Admin access to your Okta web portal.
- Admin access to your Jamf Pro server.

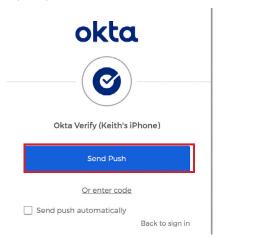
NOTE: This section assumes the Jamf Unlock app is already assigned to your Jamf Pro server from Apple Business / School Manager. This guide does not cover assigning apps from Apple Business / School Manager to Jamf Pro.

1. Using a web browser of your choosing, sign in to Okta using your admin credentials.

	okta	
	Sign In	
Username		
I		
Password		
Remember	me	
	Sign In	



2. If prompted for MFA, select Send Push.



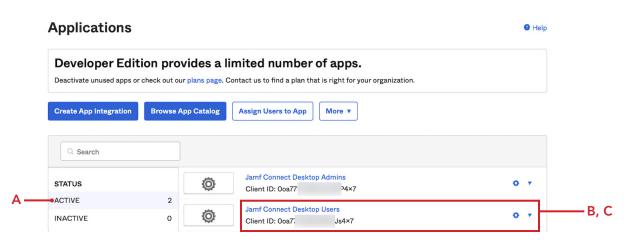
3. Expand Applications and click Applications.

okta			
Dashboard	~		
Directory			
Customizations ~			
Applications	^		
Applications			

4. Follow these steps:

- A. Select ACTIVE
- B. Copy the Client ID for the Jamf Connect Desktop Users. Paste this into a text document and save it on your Desktop. We will need it later on in this section.
- C. Click on Jamf Connect Desktop Users. We need to modify this App Integration to include the Jamf Unlock URI.

NOTE: If you did not follow this guide from the beginning, you will not have the Jamf Connect Desktop Users App Integration. Please refer to section 2 of this guide for more info on configuring an App Integration before you continue with this section.





5. In General Settings, select Edit.

General Settings	Edit
APPLICATION	
App integration name	Jamf Connect Desktop Users
Application type	Native
Grant type	Client acting on behalf of a user
	Authorization Code
	Refresh Token
	Resource Owner Password
	SAML 2.0 Assertion
	Device Authorization
	Token Exchange
	🕑 Implicit (hybrid)
	Allow ID Token with implicit grant type
	Allow Access Token with implicit grant type

- 6. Go to LOGIN.
- 7. For Sign-in redirect URI, click Add URI.

LOGIN	
Sign-in redirect URIs 🛛 🛛	Allow wildcard * in login URI redirect.
	https://127.0.0.1/jamfconnect
	+ Add URI
Sign-out redirect URIs 🛛 🖗	com.okta.dev-: 2:/
	+ Add URI
Initiate login URI 🛛 🕢	
	Save Cancel

- 8. Enter the following URI: jamfunlock://callback/auth NOTE: The URI is case sensitive.
- 9. Click Save.

LOGIN		
Sign-in redirect URIs 🛛	Allow wildcard * in login URI redirect.	
	https://127.0.0.1/jamfconnect	
	jamfunlock://callback/auth	
	+ Add URI	
Sign-out redirect URIs 🔞	com.okta.dev-; 2:/	
	+ Add URI	
Initiate login URI 🛛 🕢		
	Save	
	7	



10. Log into your Jamf Pro server with admin credentials.

🗖 jamf 🛛 PRO		
USERNAME ex. admin		
PASSWORD	\bigcirc	
All contents © 2002-2022 Jamf. All rights reserved.		

- 11. Click Computers.
- 12. Click Configuration Profiles.
- 13. Click New.

	🗖 jamf PRO		L 🌾 🕸	
11—	Computers Devices Users	Computers Configuration Profiles		- 13
10	Policies	V Q Filter Pr 1 - 32 of 32	+ New 🖞 Upload 📰 🎛	
12—	Configuration Profiles Restricted Software	NAME LOGS COMPLETED	PENDING FAILED SCOPE	

- 14. Select the General Payload and enter the following:
 - A. Name: Jamf Connect Unlock
 - B. Category: Jamf Connect (or a category that fits your needs)

Computers : Configuration Pr ← New macOS Con		
Options Scope		
🎯 General	General	
	Name Display name of the profile	
Passcode Not configured	Jamf Connect Unlock	Α
	Description Brief explanation of the content or purpose of the profile	
Retwork Not configured		
VPN Not configured	Category Category to add the profile to	_
	Jamf Connect	В
DNS Settings Not configured	Level Level at which to apply the profile	
	Computer Level 👻	
A DNS Proxy Not configured	Distribution Method Method to use for distributing the profile	
	Install Automatically	
Content Caching Not configured	Redistribute Profile After Amount of time after which to redistribute the profile	
	Never	
Certificate Not configured	Cancel Save	



- 15. Click the Application & custom Settings Payload.
- 16. Click Upload.
- 17. Click Add.

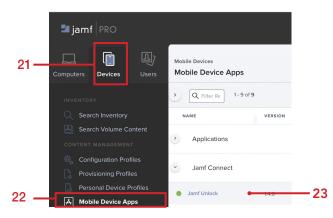
	Computers : Configuration ← New macOS C	n Profiles onfiguration Profile	
	Options Scope		
15 —	Application & Custom Settings Not configured	 Upload Use this section to define generic settings for preference doma 	Remove all + Add - 17
16 —	Jamf Applications		
10	Upload		
	B. Property List: P C. Select Scope The XML below w Computers, and e xml version="1.<br plist P<br PropertyList-1.0. <plist ?="" encoding="UTF-8" version="1
<dict>
<key>Unlock</
<dict>
<key>Enable
<true /></th><th>main: com.jamf.connect
aste in the XML below
ill enable Unlock in the Jamf connect men
nable Require a PIN.
0"> UBLIC "-//Apple//DTD PLIST 1.0//EN" "ht dtd"> .0"> key> Unlock UnlockForLogin</plist>		
с —	Computers : Configuration Profiles ← New macOS Configure	ration Profile	
	Options Scope		
	Privacy Preferences Policy Control Not configured	Upload 1 payload configured	Remove all + Add
	AD Certificate Not configured	com.jamf.connect Use this section to define generic settings for preference domains.	× ^
	:Q: Energy Saver Not configured	Preference Domain The name of the preference domain (com.company.application) com.jamf.connect	A
	Application & Custom Settings 1 payload configured Jamf Applications External Applications Upload	Required Property List PLIST containing key value pairs for settings in the specified domain. <html ?="" encoding="UTF-8" version="1.0"> <doctype ".="" "http:="" 10="" apple="" dtd="" dti<="" en"="" plist="" public="" td="" www.apple.com=""> <plst version="1.0"> <dlc> <key>Unlock</key> <dlc> <key>EnableUnlock</key> <tuc></tuc></dlc></dlc></plst></doctype></html>	Ds/PropertyList-10.dtd">
	Ligentification Not configured	<key>EnableUnlockForLogin</key> <true></true> <key>RequirePIN</key> <true></true>	
	Time Machine Not configured	 <!--</td--><td></td>	



- 19. Scope to your needs. This guide will scope to a test Mac computer.
- 20. Click Save.

+ Add
Remove

- 21. Click Devices.
- 22. Click Mobile Device Apps.
- 23. Select Jamf Unlock





24. Click Edit.

General Scope Managed Distribution App Configuration		
Display Name Display name for the app		
Jamf Unlock		
Enabled		
Category Category to add the app to		
Jamf Connect		
Short Version Short Version of the app		
1.4.0		
Bundle Identifier Bundle identifier for the app		
com.jamf.connect.unlock		
Free App is free		
Distribution Method Method to use for distributing the app		
	History	Delete
Configure the following: A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock The Enabled		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock Category Category to add the app to Jamf Connect ▼		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock Category Category to add the app to Jamf Connect •		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock Category Category to add the app to Jamf Connect ▼ Short Version Short Version of the app 14.0		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock Category Category to add the app to Jamf Connect ▼ Short Version Short Version of the app 14.0		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock © Enabled Category Category to add the app to Jamf Connect • Short Version Short Version of the app 14.0 Bundle identifier Bundle identifier for the app Com.jamf.connect.unlock		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock Category Category to add the app to Jamf Connect Short Version Short Version of the app 14.0 Bundle Identifier Bundle identifier for the app Com.Jamf.connect.unlock Com.Jamf.connect.unlock		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock Category Category to add the app to Jamf Connect Short Version Short Version of the app 14.0 Bundle Identifier Bundle identifier for the app Com.Jamf.connect.unlock Com.Jamf.connect.unlock		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock © Enabled Category Category to add the app to Jamf Connect Short Version Short Version of the app 14.0 Bundle Identifier Bundle Identifier for the app Com.Jamf.connect.unlock © Free App is free Distribution Method Method to use for distributing the app		
A. Select a category of your choosing. This guide will use Ja B. Set the distribution method to: Install Automatically/Prom C. Leave all other settings at their default values Mobile Devices : Mobile Device Apps ← Jamf Unlock General Scope Managed Distribution App Configuration Display Name Display name for the app Jamf Unlock © Enabled Category Category to add the app to: Jamf Connect • Short Version Short Version of the app 14.0 Bundle Identifier Bundle Identifier for the app Com.jamf.connect.unlock © Free App is free Distribution Method to use for distributing the app Install Automatically/Prompt Users to Install •		



26. Scope to your needs. This guide will scope to a test Mac computer.

General Scope Managed Dis	tribution App Configuration	
Targets	Limitations	Exclusions
Target Mobile Devices Mobile devices to distribute the app to. Does apply to personally owned devices	Target Users not Users to distribute the app to	
Specific Mobile Devices	▼ Specific Users ▼	
elected Deployment Targets		+ Ad
RGET	ТҮРЕ	
ith's iPhone	Mobile Device	Remov

Cancel Save

27. Select Managed Distribution. Confirm Assign Content Purchased in Volume is enabled.

Mobile Devices : Mobile Device Apps ← Jamf Unlock		
General Scope Managed Distribution App Configuration		
Device Assignments	VPP Codes	
Volume Content Assign Content Purchased in Volume Assign content purchased in volume to mobile devices with IOS 9 or later Location Volume purchasing location to use to assign content KDEP-Apps&Books		
TOTAL CONTENT	IN USE	
20	1	



28. Select App Configuration. Using the XML below, replace the two strings that are in blue with the following:

The first string is your Okta tenant-name. This should be entered with only the first part of your Okta URL. For example, If you Okta URL is https://mycompany.okta.com, all you need to enter is: mycompany - no other part of the URL is required.

The second string is your App Integration client ID for the Jamf Connect Users App we created in step 4. You should have this saved to a text document on your desktop.

```
<dict>
    <key>com.jamf.config.idp.oidc.provider</key>
    <string>Okta</string>
    <key>com.jamf.config.idp.oidc.tenant</key>
    <string>YourTenantNameGoesHere</string>
    <key>com.jamf.config.idp.oidc.client-id</key>
    <string>YourAppIntergrationIDGoesHere</string>
    <key>com.jamf.config.idp.oidc.redirect-uri</key>
    <string>jamf.config.idp.oidc.redirect-uri</key>
    <string>jamfunlock://callback/auth</string>
</dict>
```

29. Click Save.

Mobile Devices : Mobile Device Apps ← Jamf Unlock	
General Scope Managed Distribution App Configuration	
Preferences Configuration dictionary to be applied to the app on mobile devices with iOS 7 or later	
<key>com.jamf.config.idp.oidc.provider</key>	
<string>Okta</string>	28
<key>com.jamf.config.idp.oidc.tenant</key>	20
<string>dev-2 2</string>	
<key>com.jamf.config.idp.oidc.client-id</key>	
<string>Ooa B7eJs4x7</string>	
<key>com.jamf.config.idp.oidc.redirect-url</key>	
<string>jamfunlock://callback/auth</string>	

(i) For help generating the PLIST file for preferences, use the AppConfig Generator





Let's switch to an iOS device. This guide will use an iPhone and we are assuming you already scoped the Jamf Unlock app to your iOS device.

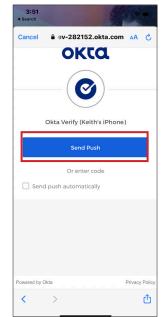
30. On your iPhone, open the Jamf Unlock app. Tap Log in to Get Started.



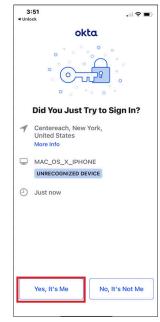
31. Enter your Okta credentials, tap Sign In.

3:50 ◀ Search	
Cancel	🔒 ev-282152.okta.com 🗚 👌
	okta
	Sign In
Usernai	ne
Passwo	rd
Rem	ember me
	Sign In
Need he	Ip signing in?
Powered by	Okta Privacy Policy
<	<u>ک</u> (۴

32. Click Send Push.*



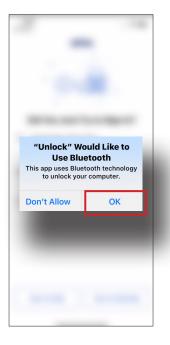
33. Tap Yes, Its Me.



*Depending on how your MFA is configured, you may be challenged a second time with a screen that asks you to match numbers on another device. If you get prompted with that message, that means "Number Challenge for Okta Verify push" is enabled in Okta's Security section under the Multifactor tab. Reach out to your Okta admin or security team for more options. You may not be able to go forward with this section without having an additional device enrolled in Okta to handle the number matching message.



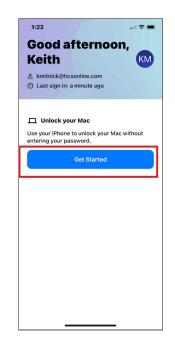
34. Tap OK at the Bluetooth message.



36. Tap Continue



35. Tap Get Started..



37. Tap OK.





38. Tap Continue



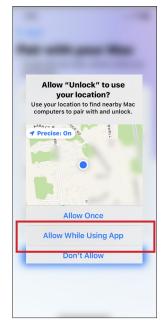
39. Tap OK.



40. Tap Continue



41. Make a selection that works for you. This guide will use Allow While Using App.

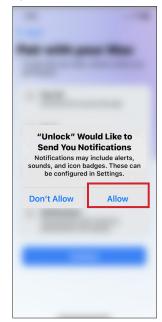




42. Tap Continue



43. Tap OK.



44. Tap Continue



45. Tap OK.





46. Switch to your Mac computer. Select Jamf Connect from the Menu then select Paired Devices.

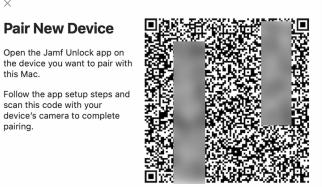
Click the custom logo to access Jamf Connect	₩ 🐲 २ ₽ kmitnick@hcsonline.com Connect Change Password
	Paired Devices
	Go to the HCS App Store Open a Help Desk Ticket

47. Click Pair New Device.

• • •	Jamf Unlock - Paired Devices
\bigcirc	Paired Device This device can unlock your Mac.
Enable Unlock	
	Pair New Device

48. Confirm a QR code appears.

 \times





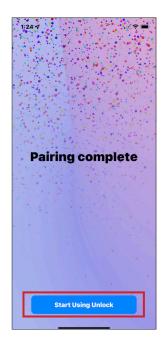
49. On your iPhone, line up the camera with your Mac computer to scan the QR code.



50. On your Mac computer, Click OK at the Bluetooth message.

C	8
"Jamf Connect" use Blue	
This app uses B your de	
Don't Allow	ОК

51. On your iPhone, you will get a Pairing complete message. Tap Start Using Unlock.



52. You can quit the Jamf Unlock app on your iPhone.

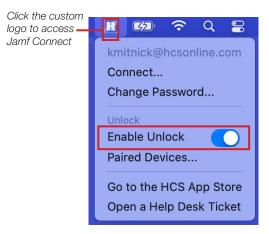




53. On your Mac, confirm the iPhone is paired.

• • •	Jamf Unlock - Paired Devices	
\bigcirc	Paired Device This device can unlock your Mac. Keith's iPhone	Remove
🗹 Enable Unlock	Keitn's iPhone	Remove
	Pair New Device	

54. Select Jamf Connect from the Menu Bar, confirm Enable Unlock is now active.



55. Let's test out Jamf Unlock on your Mac computer. Open System Preferences.



56. Click Security & Privacy.





57. On the bottom-left, click the Lock to unlock the pane.

General	FileVault Firewall Privacy
Location Services	✓ Enable Location Services
Contacts	Allow the apps and services below to determine your location
17 Calendars	System Services Details 1
Reminders	
Rhotos	
Camera	
U Microphone	 Indicates an app that has used your location within the
III Speech Recognition	last 24 hours.
Accessibility	
_	About Location Services & Privacy

- 58. Confirm the password field say PIN.
- 59. Select the PIN field then press Enter on your keyboard.

System Pro	eferences			
System Preferences Security & Priva				
Enter your PIN	to allow this.			
Keith Mitnick				
PIN				
Cancel	Unlock			



60. You will get a Jamf Unlock alert on your phone and will be authenticated using Face ID. Confirm the pane has been unlocked. Quit System Preferences.

General	FileVault Firewall Privacy
Location Services	Enable Location Services Allow the apps and services below to determine your location
Contacts	
17 Calendars	System Services Details 7
Reminders	
Nhotos	
Camera	
U Microphone	 Indicates an app that has used your location within the last 24 hours.
III Speech Recognition	last 24 10015.
Accessibility	About Location Services & Privacy
	About Location Services & Privacy

61. Open Terminal from /Applications/Utilities.



62. Enter the command:

sudo jamf recon

When prompted to Enter PIN for JamfUnlock, press the Enter key on your keyboard.





63. You will get a Jamf Unlock alert on your phone and will be authenticated using Face ID. Once done, the command starts to run.

```
    kmitnick — jamf < sudo — 80×24</li>
    Last login: Thu Sep 8 14:10:34 on ttys000
    kmitnick@MacBook-Air ~ % sudo jamf recon
    Enter PIN for 'JamfUnlock':
    Retrieving inventory preferences from https://jamfcloud.com/...
    Finding extension attributes...
    Locating hard drive information...
    Locating accounts...
    Locating package receipts...
    Locating path: /System/Applications
    Gathering application usage information from the JamfDaemon...
```

64. Click on the Apple Logo and select Lock Screen.



- 65. Confirm the password field say PIN.
- 66. Select the PIN field then press Enter on your keyboard.





67. If all went well, your Mac computer is now unlocked. If not, you may be presented with the screen below. This is currently a known issue. This message can happen one time, many times, or not at all. Just be aware you did not do anything wrong if you see this message.

macOS wants to use the "login" keychain. Please enter the keychain password.			
Password:			
	Cancel	ОК	

This completes the guide.