

Deploying and Updating Zoom with Jamf Pro and AutoPkgr



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The purpose of this guide is to provide a workflow for Mac administrators to deploy Zoom with customized settings to multiple Mac computers. This guide uses Jamf Pro as an example mobile device management (MDM) solution and uses a feature called Custom Schema which was introduced in Jamf Pro version 10.19. You'll learn how to customize the Zoom app using the Applications & Custom Settings payload in computer configuration profiles in Jamf Pro. The payload offers you an area where you can directly enter the JSON Schema manifest for the Zoom app and then use the configurable settings generated by Jamf Pro to customize Zoom settings.

Zoom provides an installer package for Mac computers called "Zoom for IT Admins". This installer will support the pre configuration of settings for Zoom settings using a configuration profile that we will create in this guide. This guide includes optional sections for integrating Zoom with Microsoft Outlook for Mac and for keeping Zoom up to date with AutoPkgr and the JSSImporter.

Resources:

- If needed, get a Zoom subscription here: https://zoom.us/pricing
- Download the Zoom for IT Admins Installer here: https://zoom.us/client/latest/ZoomInstallerIT.pkg
- Download the sample Zoom JSON schema here: https://github.com/talkingmoose/jamf-manifests/blob/master/Zoom%20%28us.zoom.config%29.json
- If you don't already have it, download the PPPC Utility here: https://github.com/jamf/PPPC-Utility/releases
- If you don't already have it, download AutoPkgr here: https://github.com/lindegroup/autopkgr/releases/
- If you don't already have a text editor that doesn't inject unwanted characters into code, such as BBEdit, download and install BBEdit from the Mac App Store or from here: https://www.barebones.com/products/bbedit/

The following was used for this guide:

- Zoom for IT Admins app
- Sample Zoom JSON schema
- Zoom Add-in for Microsoft Outlook
- PPPC Utility
- AutoPkgr
- Microsoft 365 Admin account
- Microsoft Outlook (already configured for an organizational email account)
- Jamf Pro 10.21 (version 19 or later is required)
- A Mac with macOS 10.15.4 that is enrolled in Jamf Pro

Special thanks to William Smith for creating the Zoom JSON schema file used in this guide.



Section 1: Configure Zoom Settings in Jamf Pro

NOTE: This guide uses the Downloads folder as the default location for all downloads.

- 1. If necessary, download the Zoom for IT Admins Installer here: https://zoom.us/client/latest/ZoomInstallerIT.pkg
- 2. If necessary, download the PPPC Utility application here: https://github.com/jamf/PPPC-Utility/releases
- 3. If necessary, download the Zoom JSON schema here: https://github.com/talkingmoose/jamf-manifests/blob/master/Zoom%20%28us.zoom.config%29.json
- 4. Open a web browser of your choosing. This guide uses Safari.
- 5. Log in to Jamf Pro.



- 6. In the upper-right corner, click Settings (looks like a gear).
- 7. Click Computer Management.
- 8. Click Packages.

	🗖 jamf PRO		ይ 🤌 👰 🗕 6	
	Computers Devices Users	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Computer Management	
	VERSION 10.21.0-11586871296 MANAGED	Global Management	Packages Scripts Printers Directory Disk Bindings Configurations	
	Computers: 46 Mobile Devices: 6 UNMANAGED Computers: 0	Self Service	Dock Items Configurations Patch Management	
	Mobile Devices: 0	Network Organization	Computer Management - Management Framework	
7 —		Computer Management	🔄 🗐 🚱 🔒 🔝	
		Device Management	Inventory Inventory Check-In Security Extension Collection Display Attributes	
		User Management	Autorun Removable App Updates	

9. Click New.





- 10. Optional: Choose a Category.
- 11. Click Choose File.

10.21.0-t1586871296 MANAGED	Display Name Display name for the package	
Computers: 46 Mobile Devices: 6	[Required]	
UNMANAGED	Category Category to add the package to	
	None 🔹	
Mobile Devices: 0	Fileneme Fileneme of the package on the distribution point (e.g. "MyPackage.dmg")	
	Choose File	

- 12. Follow these steps:
 - A. Navigate to your Downloads folder.
 - B. Select the ZoomInstallerIT.pkg file.
 - C. Click Choose.

		wnloads	٥	Q Search	
в —	PPPC Utility Zoom (us.zoom.config).json ZoomInstallerIT.pkg				
		Zoomins	tallerIT.pkg	Cancel	Choose C

13. Click Save.



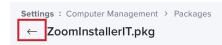
14. Confirm that the file begins to upload to your Jamf Pro distribution point.

Filename Filename of the package on the distribution point (e.g. "MyPackage.dmg") ZoomInstallerIT.pkg

Uploading 30.2 MB of 33.4 MB (90%)



15. Click Back (looks like a left arrow).



- 16. In the upper-left corner, click Computers.
- 17. In the sidebar, click Configuration Profiles.
- 18. In the upper-right corner, click New.

16 —	Computers	Devices	டு) Users	Computers Configuration Profiles					
	INVENTO			✓ Q Filter Pr 0 - 0 of 0				+ New	<u> </u>
	_`	arch Inventory arch Volume Co		NAME	LOGS	COMPLETED	PENDING	FAILED	
	💭 Lice	ensed Software		No data available in table					
	CONTENT								
17 —		ries	files						
		tricted Software							

- 19. Follow these steps:
 - A. Click Options.
 - B. Click the General Payload.
- 20. Configure the following settings:
 - C. Name: A name of your choosing. This guide uses Zoom Settings.
 - D. Description: Optional. This guide uses: This will configure the zoom settings for all users.
 - E. Category: Optional. This guide uses the Testing category.
 - F. Distribution Method: Install Automatically.
 - G. Level: Computer Level

	Computers : Configuration Profi ← Zoom Manifest	les	
A —	Options Scope		
в —	🖗 General	General	
	Passcode Not configured	Name Display name of the profile Zoom Settings •	— c
	Retwork Not configured	Description Brief explanation of the content or purpose. This will configure the zoom settings for all users.	D
	VPN Not configured	Category Category to add the profile to	— F
	Content Caching	Testing	
	Certificate Not configured	Install Automatically	— F
	🔿 Certificate Transparency	Computer Level 🔻	<u> </u>



- 20. Scroll down and select the Application & Custom Settings payload.
- 21. Click Configure.

لکے) Users	Computers : Configuration Profiles ← New macOS Configur	tion Profile
	Options Scope	
tent	:0: Energy Saver Not configured	
es	Application & Custom	
	Ldentification Not configured	Configure Application & Custom Settings
3	D Time Machine Not configured	Use this section to configure settings for applications or define generic preferences.
	Finder Not configured	Configure
oups	 Accessibility 	

- 22. Configure the following settings:
 - A. Creation Method: Configure settings
 - B. Source: Custom Schema
 - C. Preference Domain: us.zoom.config

\checkmark	Application & Custom Settings
	Creation Method Method to use to define preferences in the specified preference domain
A	Configure settings
	Upload File (PLIST file)
	Source to use for the preference domain
В	Custom Schema 🔹
	Preference Domain The name of the preference domain (com.company.application)
с	us.zoom.config

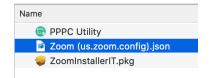
23. Scroll down (if necessary) and click Schema if it's not already selected.

Application Properties

Schema	Properties
--------	------------



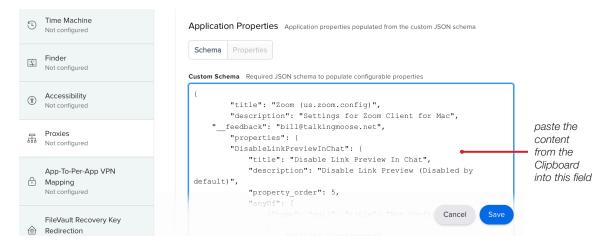
24. Using a text editor, open the Zoom (us.zoom.config).json file located in the Downloads folder. NOTE: This guide uses BBEdit as the text editor.



25. Press Command-A to select all the text then press Command-C to copy it to the Clipboard.



- 26. Quit BBEdit.
- 27. In Jamf Pro, click the Custom Schema field.
- 28. Press Command-V to paste the text you copied in step 25.



29. Click Properties.

Schema	Properties
--------	------------

NOTE: The Properties section contains all the settings that can be configured for Zoom. For a full list of all configurable key value pairs in zoom, go here:

https://support.zoom.us/hc/en-us/articles/115001799006-Mass-Deployment-with-Preconfigured-Settings-for-Mac#h_40df938d-107f-4c0b-87f6-f831b31a76b7



- 30. For simplicity, configure only the following settings (you may need to scroll to find each setting):
 - A. Auto Join Voip: Configured: true
 - B. Show Connected Time: Configured: true
 - C. Auto Hide Toolbar: Configured:true

Α	Auto Join Voip	Configured	•		В	Show Connected Time	Configured	•			
	Automatically join true false	VoIP (Disabled b	oy defa	ult)		Show the length of time	that the user ha	s been i	n a meeting (Dis	abled by default)
С	Auto Hide Toolbar Always show meeti v true false		▼ able au	to-hide toolbar)							

31. Click Scope.

Options	Scope
options	Coope

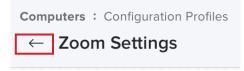
32. Set Target Computers to your needs. For simplicity, this guide uses All Computers. NOTE: In a production environment consider using a different scope of comptuers that will have Zoom installed. If you instal this configuration profile on a Mac that never gets Zoom installed, the configuration profile doesn't interfere with anything, but the existence of a profile for Zoom for a Mac that doesn't have Zoom might be confusing.

	Targets	
Target Computers Computers to deploy the p	olicy to	
All Computers		

33. Click Save.

Cancel	Save
--------	------

34. Click Back (looks like a left arrow).



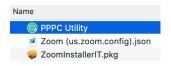


Section 2: Configure a Privacy Preference Policy Control profile for Zoom

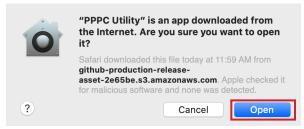
On an unmanaged Mac, the first time you open Zoom, you'll see a dialog asking to allow Zoom access to the Downloads folder. However, for a Mac that you manage with Jamf Pro, you can use a configuration profile to allow apps to access certain files used for system administration, and to access application data. For example, if an app requests access to your Downloads folder, the configuration profile can allow or deny the request without user intervention. As an MDM administrator, you can apply a configuration profile with the Privacy Preferences Policy Control payload to stop these messages from being presented to the user. Not all messages can be managed using the Privacy Preferences Policy Control payload. For example, access to the Camera, Microphone, and Screen Recording (Screen Recording is required in order to share your screen) must be approved by the user and cannot be managed by an MDM server.

You'll use the PPPC Utility app to configure PPPC settings for Zoom and upload those settings as a new configuration profile in Jamf Pro.

1. If necessary, Download the PPPC Utility here: https://github.com/jamf/PPPC-Utility/releases Open the PPPC Utility application located in the Downloads folder.

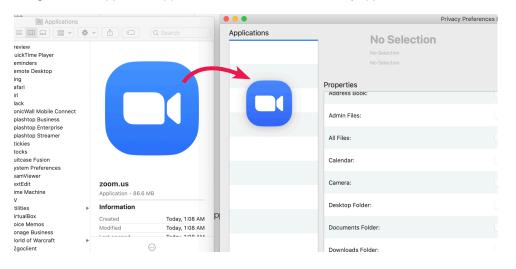


2. If presented with the message below, click Open.



3. Follow these steps:

- A. Open the Applications folder.
- B. Locate the Zoom app, named zoom.us.
- C. Drag the Zoom app to the Applications section in the PPPC Utility app.





- 4. Use the following steps to configure the PPPC settings for the Zoom app:
 - A. In the Applications column, select zoom.us.
 - B. In the Properties column, next to Accessibility, click the menu and choose Allow.
 - C. In the Properties column, next to Downloads Folder, click the menu and choose Allow.
 - D. Click Upload.

		Privacy Preference	es Policy Control Uti	lity		
Α—	Applications	zoom.us us.zoom.xos identifier "us.zoom.xos" and ai leaf[field.1.2.840.113635.100.6	nchor apple generic an i.1.13] /* exists */ and ce	d certificate 1[field.1.2.840.113635.100.6.2.6] / ritificate leaf[subject.OU] = BJ4HAAB9B3	* exists */ and certificate	
		Properties		Apple Events		
		Accessibility:	Allow 0			·в
		Address Book:	- 0?			
		Admin Files:	- ᅌ ?			
		All Files:	- 0?			
		Calendar:	- ᅌ ?			
		Camera:	- 0?			
		Desktop Folder:	- • ?			
		Documents Folder:	- 0?			_
		Downloads Folder:	Allow 🗘 🗨 2			- C
	+ - Import Profile			+ -		
					Save Upload	·D

- 5. Configure the following settings:
 - A. Jamf Pro Server: Enter the URL of your Jamf Pro server.
 - NOTE: If you use an Identity Provider (IdP) to log in to Jamf Pro, when you enter your Jamf Pro URL use the following pattern: https://hcs.jamfcloud.com/?failover where you replace "hcs.jamfcloud.com" with your organization's URL.
 - B. Username: Enter a Jamf Pro administrative account name.
 - C. Password: Enter a Jamf Pro administrative password.
 - D. Click Check Connection. If the connection was successful, the PPPC Utility automatically enters the appropriate information in the Organization field. Otherwise, double-check the Jamf Pro Server, Username, and Password fields and click Check Connection again.
 - E. Payload Name: Enter a name of your choice; this guide uses **Zoom PPPC**.
 - F. Payload Description: Optional: Enter a description of your choice; this guide uses **Zoom PPPC.**
- 6. Click Upload This will create the Zoom PPPC configuration profile on your Jamf Pro server.

Α—	Jamf Pro Server:	https://kr oud.com	
В—	Username:	jssi	
с <u> </u>	Password:	*****	
		Save in keychain	
	Organization:	Keith .	
Е	Payload Name:	Zoom PPPC	
	Payload Identifier:	54FB3C9B-9EC6-4C59-917D-7979CA0085E1	
F —	Payload Description:	Zoom PPPC	Р
	Signing Identity:	Profile signed by server 🗘	· D
	Cancel	Check Connection Upload	• 6



- 7. Quit the PPPC Utility application.
- 8. If necessary, log in to Jamf Pro.
- 9. Click Computers.
- 10. Click Configuration Profiles.
- 11. Confirm that the configuration profile you just uploaded with the PPPC Utility is displayed in the "No category assigned" section.
- 12. Click Zoom PPPC.

	🞜 jamf PRO						ম
9—	Computers Devices Users	Computers Configuration Profiles					
	INVENTORY	 ✓ Q Filter Pr 1 - 2 of 2 	2			+ New	Upload
	Search Inventory	NAME	LOGS	COMPLETED	PENDING	FAILED	
	Content management	 Testing 					
10	Policies	Zoom Settings	View	0	0	0	
10	Restricted Software PreStage Imaging	No category assigned	d				1
	Mac App Store Apps Patch Management	Zoom PPPC	View	0	0	0	
	eBooks						1

13.In the lower-right corner, click Edit.



14. Optional: Click the Category menu then choose a category. This guide uses Testing.

General
Name Display name of the profile
Zoom PPPC
Description Brief explanation of the content or purpose of the profile
Zoom PPPC
Category Category to add the profile to
Testing
Distribution Method Method to use for distributing the profile
Install Automatically
Level Level at which to apply the profile Computer Level

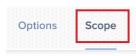


- 15. Scroll down if neccessary and select the Privacy Preferences Policy Control payload.
- 16. Confirm that the settings were automatically applied by the PPPC Utility app.

	Option	s Scope						
	/ Mobi	llity onfigured	~	App Access				e
	Print Not c	ing onfigured		us.zoom.xos				
		ntal Controls onfigured		Identifier Type Bundle ID 🔻				
				Code Requirement				
_		irity & Privacy onfigured		identifier "us.zoom.xos" and and exists */ and certificate leaf[field				-
_[I Not c Priva	cy Preferences Policy		exists */ and certificate leaf[field BJ4HAAB9B3	1.1.2.840.1136	35.100.6.1.13] /* exists */		-
-[Priva Priva Cont 1 payl AD C	onfigured cy Preferences Policy rol]	exists */ and certificate leaf[field BJ4HAAB9B3	1.1.2.840.1136			-
-[Not c Priva Cont 1 payl AD C Not c Cont Cont Cont	cy Preferences Policy rol oad configured certificate		exists */ and certificate leaf[field BJ4HAAB9B3 Validate the Static Code Re APP OR SERVICE	quirement	35.100.6.1.13] /* exists 7/	and certificate leaf[sı	ubject.OU] =

17. Click Scope.

r



18. Set Target Computers to your needs. For simplicity, this guide uses All Computers, but in a production environment you may choose to use a different scope.

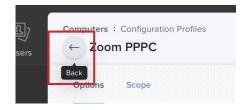
Targets		
T		
Target Computers Computers to deploy the policy to		
All Computers	*	

19. Click Save.





20. Click Back (looks like a left arrow).



- 21. On your test Mac, open System Preferences.
- 22. Click Profiles.

		11 ¹² 10 10 2 7 18	*			$\langle \mathbf{v} \rangle$
Displays	Energy Saver	Date & Time	Sharing	Time Machine	Startup Disk	Profiles

23. Confirm the Zoom PPPC and Zoom Settings profiles are installed.

CA Certificate	Zoom PP HCS Technology Gr	
evice Profiles	Signed JSS Built-In S	ioning Certificate
Jamf Notifications	Installed May 10, 2020	
MDM Profile 3 settings	Settings Privacy Prefer	rences Policy Control
Privacy Preferences 1 setting	DETAILS	
Zoom PPPC	Privacy Preferences Policy Control	
a setting	Description Zoom PPPC	
Zoom Settings	Access the User's us.zoom.xos - Downloads folder	- Allowed
1 Setting	Control the Computer us.zoom.xos	- Allowed

24. Quit System Preferences.



Section 3: Create a policy to Install Zoom

- 1. If necessary, log in to Jamf Pro.
- 2. Click Computers.
- 3. Click Policies.
- 4. Click New.

	🛂 jamf 🛛 PRO				<u>A</u> 4 🕸	
2 —	Computers Devices Users	Computers Policies				— 4
		V Q Filter Pc 1-1 of 1			+ New := :::	
	Search Inventory	NAME	FREQUENCY	TRIGGER	SCOPE	
	Licensed Software CONTENT MANAGEMENT	 No category assigned 				
3 —	Policies	Update Inventory	Once every week	Check-in	All computers	

- 5. Configure at least the following settings:
 - A. Display Name: A name of your choosing. This guide uses Install Zoom.
 - B. Enabled: Checkbox selected
 - C. Category: Optional: This guide uses "macOS Applications."
 - D. Trigger: Select the checkbox for the "Custom" option.
 - E. Trigger: Custom Event: Enter a name of your choice; this guide uses InstallZoom.
 - F. Execution Frequency: Choose a frequency; this guide uses "Once per computer."

8	General >	General	
÷	Packages 0 Packages	Display Name Display name for the policy Install Zoom	<u> </u>
(@)	Software Updates Not Configured	Contraction Contra	— E
۸.	Scripts 0 Scripts	Category Category to add the policy to macOS Applications	— c
Ħ	Printers 0 Printers	Trigger Event(s) to use to initiate the policy	
0	Disk Encryption Not Configured	When a computer starts up. A startup script that checks for policies must be configured in Jamf Pro for this to work Login When a user logs in to a computer. A login hook that checks for policies must be configured in Jamf Pro for this to work	
,	Dock Items 0 Dock Items	Logout When a user logs out of a computer. A logout hook that checks for policies must be configured in Jamf Pro for this to	
1	Local Accounts 0 Accounts	work Network State Change When a computer's network state changes (e.g., when the network connection changes, when the computer name	
	Management Accounts Not Configured	changes, when the IP address changes) Enrollment Complete Immediately after a computer completes the enrollment process	
<u>_</u>	Directory Bindings 0 Bindings	Recurring Check-in At the recurring check-in frequency configured in Jamf Pro	
	EFI Password Not Configured	Custom At a custom event	— C
	Restart Options Not Configured	Custom Event Custom event to use to initiate the policy. For an iBeacon region change event, use "beaconStateChange" InstallZoom	— F
X	Maintenance Not Configured	Execution Frequency Frequency at which to run the policy Once per computer	F



- 6. Click the Packages payload.
- 7. Click Configure.

	NTORY	Options Scope Self Service User Interaction
	Search Inventory	
	Search Volume Content	General
~	Licensed Software	😹 Packages
6 –	TENT MANAGEMENT	Packages > 0 Packages >
	Policies	A Software Updates
	Configuration Profiles	Software Updates Not Configured
	Restricted Software	Scripts
	PreStage Imaging	0 Scripts Use this section to install, cache, and uninstall packages. Also use this section to install a single
	Mac App Store Apps	cached package
	Patch Management	© Printers
	eBooks	Disk Encryption
	JPS	Not Configured
	Smart Computer Groups	
		7

- 8. Find the ZoomInstallerIT.pkg entry.
- 9. For the ZoomInstallerIT.pkg entry, click Add.

Options Scope Self Service User Interaction					
į d j	General		Packages		Packages Settings
			NAME	CATEGORY	
÷	Packages 0 Packages	>	ZoomInstallerIT.pkg	macOS Applications	Add 9
()	Software Updates Not Configured				Cancel

10. Choose a Distribution Point if needed. This guide uses the default settings.

*	Packages > 1 Package > Software Updates Not Configured	Packages Distribution Point Distribution point to download the package(s) from Each computer's default distribution point
2	Scripts 0 Scripts	
Ħ	Printers 0 Printers	ZoomInstallerIT.pkg × + Action Action to take on computers
Ó	Disk Encryption Not Configured	Install • Update Autorun data
	Dock Items	Add or remove the package from each computer's Autorun data

11. Click Scope.

Options	Scope	



12. Set Target Computers to your needs. For simplicity, this guide uses All Computers.

Target Computers		
Computers to deploy the policy to		

13. Click Save.

Cancel	Save
--------	------

14. Click Back (looks like a left arrow).

C	Comp	uters	:	Policies
Ľ	← Inst			l Zoom

NOTE: These steps require the test Mac you're using to be enrolled in Jamf Pro.

- 15. On your test Mac that's enrolled in Jamf Pro, open Terminal.
- 16. Run the following command to run the policy that installs Zoom on your Mac computer (use the custom event name you specified in step 5 of this section):

sudo jamf policy -event InstallZoom

- 17. Enter your administrative credentials when prompted.
- 18. The Zoom installation process will start.
- 19. Confirm Zoom was installed in the Applications Folder. Do **NOT** open the Zoom app at this time, because in the next section you'll use browser to join a Zoom meeting and open the Zoom app.





Section 4: Test Zoom Configuration Settings

In this section you'll confirm that your test Mac is configured with the following:

- custom app settings for Zoom
- privacy settings in macOS for Zoom
- 1. On your test Mac, a web browser of your choice. This guide uses Safari.
- 2. In the address field, enter https://zoom.us/test and press Return.

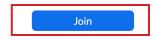


3. Click Join.

zoom	SOLUTIONS -	PLANS & PRICING	CONTACT SALES	JOIN A MEETING	HOST A MEETING 🗸	SIGN IN	SIGN UP, IT'S FREE

Join Meeting Test

Test your internet connection by joining a test meeting.



4. Confirm that the Zoom app opens.



NOTE: The order of the prompts in steps 5 - 7 can be different from what's shown in this guide.

 At the prompt to allow access to your microphone, Click OK. NOTE: As stated in Section 2 of this guide, you cannot use an MDM solution to manage access to the microphone.

C	"zoom.us" would like to microphone. In order to speak to participar access to your microphone.		
?	Don't A	llow	ОК



At the prompt to allow access to your camera, Click OK.
 NOTE: As stated in section 2 of this guide, you cannot use an MDM solution to manage access to the camera.

C	"zoom.us" would like to access the In order for participants to see you, Zoon access to your camera.	
?	Don't Allow	ОК

- 7. When the Zoom meeting begins, if you are asked to provide your name before joining the meeting, enter the following:
 - A. Your Name: Enter your name. This guide uses Keith as the name.
 - B. Optional: Select the checkbox for "Remember my name for future meetings."
 - C. Click Join.

Confirm that the PPPC profile prevents Zoom from prompting you to allow Zoom to access the Downloads folder. Note: Although the PPPC profile grants Zoom access to the Downloads folder, the Privacy pane of Security & Privacy preferences displays only settings that the user configures; the PPPC settings are not visible in Security & Privacy preferences.

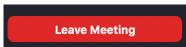
	• • •	Join a Meeting	
в-	Your Name	Keith	Α
		Join 👇	c

- 8. Confirm the following Zoom settings have been automatically configured:
 - A. The meeting duration time is in the upper-right corner.
 - B. The toolbar on the bottom of the meeting screen is not hidden.
 - C. You were not prompted to configure audio settings. Computer audio is automatically configured.
- 9. In the bottom right corner, click Leave.





10. Click Leave Meeting.



11. Quit the Zoom app.



Section 5: Optional: Configure the Microsoft Outlook Add-in for Zoom

The Microsoft Add-in for Zoom allows you to schedule a Zoom meeting directly in Microsoft Outlook. Zoom recommends using the Zoom Scheduler add-in for Microsoft 365 (desktop or mobile), particularly if your organization has computers running macOS. Starting in June 2020, Microsoft will block injection-based plug-ins from running in Outlook for macOS, and allow only add-ins available through the Microsoft store. So we recommend migrating your organization to the add-in instead of using the desktop plug-in.

NOTE: Configuring Microsoft Outlook for an email account is outside the scope of this guide.

- 1. On a Mac with Microsoft Outlook installed, sign in to the Microsoft 365 admin portal: https://portal.office.com/AdminPortal/Home#/homepage
- 2. Enter your Microsoft 365 administrative account name.
- 3. Click Next.

Microsoft			
Sign in			
Email, phone, or Skype	•	:	2
No account? Create one!			
Can't access your account?			
Sign-in options			
	Next	;	3

- 4. Enter your Microsoft 365 administrative password.
- 5. Click Sign in.

Microsoft		
← kr @hcstechgroup.com		
Enter password		
••••••	•	4
Forgot my password		
	Sign in _	5

6. At the "Stay signed in?" screen, make a choice. This guide uses the Yes button.

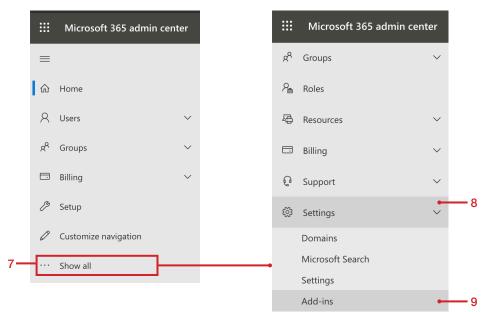


Don't show this again





- 7. In the sidebar, click "Show all."
- 8. Select Settings.
- 9. Select Add-ins.



10. Click Deploy Add-in.

HCS Technology Group



+ Deploy Add-In

Name ↑

11. Click Next.



Learn more about the requirements for Centralized

Add-ins deployed from the Store will automatically increases the scope of data access, you must re-ap



12. Click "Choose from the Store".

Deploy a new add-in
Deploy from the Store
Get solutions tailored to your industry that work with the products you already use
Choose from the Store
Deploy a custom add-in
Create a new web application, or upload an add-in / integration for Office.
Upload custom apps

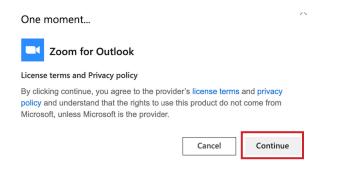
13. In the search field, enter **zoom**, then click Add.

Select add-in

Add-ins may access personal and document information. By using an add-in, you agree to its Permissions, License Terms and Privacy Policy.



14. Click Continue.



15. Select Everyone.





16. Select Fixed (Default), then click Deploy.

Deployment Method			
• Fixed (Default)			
The add-in will be	The add-in will be automatically deployed to		
Available			
Users may install t	Users may install this add-in by clicking the G		
Optional			
The add-in will be automatically deployed to			
After you choose Depl	oy', the add-in will be ava		
Deploy	Cancel		

17. Confirm that the add-in was successfully deployed.

Deploy Zoom for Outlook

⊘ Your add-in has been deployed.
You will receive an email notification confirming your successful deployment. It will take up to 12 hours for the add-in to be displayed on users' ribbons - users might need to relaunch Office.
Get started with the add-in
Once deployment completes, to test that it is successful, launch the applicable Office app to confirm that the add-in is present on the ribbon.
You can force the list of installed add-ins to refresh by launching the Office app and navigating to the Insert tab > My Add-ins > Admin Managed.
Outlook add-ins can take up to 12 hours after deployment to become available.
Dick Next.



19. Confirm that your browser displays a message that explains that Microsoft will send an email to you containing content about the add-in.

Announce add-in

	1	Zo By 2

18.

Zoom for Outlook By Zoom Video Communications, Inc

Studies have shown that adoption of new software is significantly more successful when users are informed and trained to use the new capabilities.

 $\hfill\square$ Tell users about their new add-in by sending out an informative email.

This could include:

- How this add-in can make their work easier and quicker
- Where they can find the add-in
- Who in particular will the add-in be useful for

We'll send you an email shortly containing content you can use to help you announce the add-in to your users.

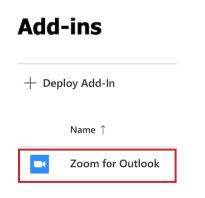


20. Click Close.

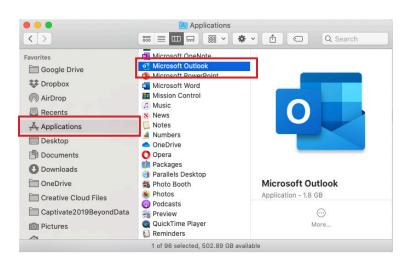
Close

21. Confirm that the sidebar now contains the "Zoom for Outlook" add-in.

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- 22. Log out of the Microsoft 365 Admin portal.
- 23. In the Finder, open the Applications folder.
- 24. Open Microsoft Outlook.





- 25. In the toolbar, follow these steps:
 - A. Click Home.
 - B. Click New Items and choose Meeting.

A	Home	Organize	Tools	
			—	
	New Email	🖂 Email		
		🗖 Appointr	nent	
	, 411 t	Meeting		۰B
	> kmi	^ନ ୍ଦ୍ର ^ନ Group		

26. Enter the meeting information. For testing purposes send the invite to a friend or a secondary email account.

From:	Calendar - kmitnick@hcstechgroup.com 🗘		
To:	O Craig Cohen		
Subject:	HCS Happy Hour		
Location:	HCS Bohemia Office		
Duration:	1 Hour 🔽 🗌 All day event		
Starts:	4/29/2020 3:00 PM		
Ends:	4/29/2020 💼 4:00 PM		

27. In the toolbar, click "Add a Zoom Meeting."

● ● ● ● ● ● ● ● ●		Untitled • Meeting • Calendar • rgoon@l	ncsonline.com	
Organizer Meeting Fo	rmat Text			0
\triangleright		Show As: Busy 🗘 🔶		₩× 🛨 🔯
Send Cancel Appointmen	t Scheduling New Reply Email All	Q Reminder: 15 Minutes C Recurre	nce Request Allow Room 👳 Responses Proposal Finder	Add a Zoom Settings Meeting

28. Sign in to your Zoom account.

00	Office Add-ins -	zoom.us
	dd a Zoom meeting to earn more	your Outlook Calendar
Sign	n	Zoom.us 🗸
rgoon(@hcsonline.com	
	•••	
✓ Kee	p me signed in	Forgot password?
	Sign Ir	1
	Don't have an accou	unt? Sign Up
	or	
٩	Sign in	with SSO



29. In the toolbar, on the right side, click Settings.

•••	5 e 4	U	ntitled • Meeting • Calendar • rgoon@hcsonline.com	
Organizer Me	eting Format Text			?
\triangleright			Show As: ■ Busy ⇒ Show As: ■ Show As: ■ Busy ⇒ Show As: ■ Show	8 🖦 🕂 🔞
Send Cancel	Appointment Scheduling	New Reply Email All	Ω Reminder: 15 Minutes [↑] [↑] [↑] Recurrence Request Allow Room Responses Proposal Finder	Add a Zoon Settings

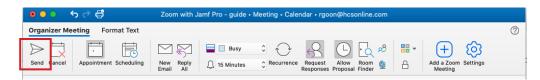
- 29. Optional Configure Video settings.
- Optional Configure Audio Settings.
 NOTE: The settings for audio for this guide will be configured by the configuration profile we configured earlier in the guide.
- 31. Optional Configure Advanced meeting options.

29	30	31
Zoom 😵	Audio	Advanced Options
Update Remove	Computer Audio	Enable join before host 5 minutes ~ before start time
Meeting ID	Telephone and Computer Audio	Mute participants upon entry
Generated ID 881-4832-7130 Personal Meeting ID (PMI) 376-316-4828	Dial from United States of America Edit countries/regions	Enable Waiting Room Only authenticated users can join Record the meeting automatically
Password	Advanced Options	Insert Zoom meeting invitation above existing text
Require meeting password	Show	Select a language for meeting invitation:
Video		Alternative Hosts
Host		Example: john@company.com, peter@school.edu
Participant On		Hide

31. Click Update.



32. In the toolbar, click Send.





33. Confirm that the recipient received the invitation message.

B HCS Happy Hour
 Keith Mitnick <kmitnick@hcstechgroup.com></kmitnick@hcstechgroup.com> To: O Craig Cohen Wednesday, April 29, 2020 at 2:20 PM
Wednesday, April 29, 2020 at 3:00 PM - 4:00 PM in (UTC-05:00) Eastern Time (HCS Bohemia Office; https://us02web.zoom.us/j/88148327130?pwd=ckdoN2xV
Keith Mitnick is inviting you to a scheduled Zoom meeting.
Join Zoom Meeting https://us02web.zoom.us/j/88148327130?pwd=ckdoN2xWWDRGKytFUDY3U0FDS2xzdz09
Meeting ID: 881 4832 7130
Password: 329246 One tap mobile
+19292056099,,88148327130# US (New York)
+13017158592,,88148327130# US (Germantown)
Dial by your location
+1 929 205 6099 US (New York)
+1 301 715 8592 US (Germantown)
+1 312 626 6799 US (Chicago) +1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston)
+1 669 900 6833 US (San Jose)
Meeting ID: 881 4832 7130
Find your local number: <u>https://us02web.zoom.us/u/kf4B6Y0vo</u>

34. Confirm that you received an email from Microsoft letting you know the Zoom for Outlook Add-in is now ready for use. It may take a few hours to receive this email.

Microsoft
Congratulations! Zoom for Outlook has been successfully deployed.
Hello Keith, Zoom for Outlook is now ready for use.
See instructions below to help you launch your new add-in in Outlook.
Zoom for Outlook Add a Zoom meeting to any Outlook calendar event.
Find your add-in under Home tab > Get Add-ins > Admin-managed > Zoom for Outlook
Insert
Get Add-ins



Section 6: Optional: Prepare Jamf Pro to integrate with AutoPkgr

In this section you'll prepare Jamf Pro to integrate with AutoPkgr with the following tasks:

- create a Jamf Pro user with application programming interface (API) access that the AutoPkgr app will use to update Jamf Pro.
- create a new Jamf Pro category called "Testing" that AutoPkgr is automatically configured to use.
- create a new Jamf Pro Static Computer Group called "Testing" that AutoPkgr is automatically configured to use.

If you already have a Category or Smart Computer Group or Static Computer Group named Testing that you use for other purposes, consider renaming you existing Category and groups so that Testing is used only for integration with AutoPkgr.

1. If necessary, log in to Jamf Pro.

🛂 jamf	PRO	
USERNAME ex. admin		
PASSWORD	(\geq

- 2. In the upper-right corner, click Settings.
- 3. Click System Settings.
- 4. Click Jamf Pro User Accounts & Groups.

	⊒ jamf PRO							L	\$ @	2
	Computers Devices Users	绞	All Settings	System Se	ttings					
3 —	VERSION 10.22.0-b.2:11589380825	000	System Settings	Jamf Pro User Accounts &	Single Sign-	0 LDAP Servers	Cloud Identity Providers	SMTP Server		4
	MANAGED Computers: 2		Global Management	Groups						4
	Mobile Devices: 2	-	Self Service	8.50	C+	D:B7# BNII		0		
	Computers: 0	~~	Server Infrastructure	Clustering	Activation Code	Change Management	Apache Tomcat Settings	Limited Access		
	Mobile Devices: 0	3	Network Organization		We'll be back.					
				Log Flushing	Maintenance Pages	Engage				
			Computer Management							

5. Click New.

🗖 jamf	PRO				L	4	ŝ
Computers	[Devices	لک) Users	Settings : System Settings ← Jamf Pro User Accounts & Groups				
VERSION 10.22.0-b.2	2.t158938082			+ New	₽ Passw	ord Poli	cy



6. Select Create Standard Account.

7. Click Next.

Settings : System Settings ← Jamf Pro User A	Accounts & Groups	
Choose Action Search LDAP Add User or Group	Choose an Action Create Standard Account Create Standard Group Add LDAP Account Add LDAP Group	- 6
1	Cancel Nox	• 7

- 8. Configure the following settings:
 - A. Username: API Autopkg
 - B. Privilege Set: Custom
 - C. Access Status: Enabled
 - D. Full Name: API Autopkg
 - E. Email Address: Leave blank
 - F. Password: Enter a password of your choice (we recommend that your organization uses a password management solution that allows you to generate secure passwords).g
 - G. Verify Password: Enter the new password again
 - H. Force user to change password at next login: Leave the checkbox deselected

Account Privileges	
. <u></u>	
Jsername Username for the account	
API Autopkg	
Privilege Set Set of privileges to grant the	he account
Custom 👻	
Access Status Access status of the acco	punt ("enabled" or "disabled")
Enabled 💌	
Full Name Name of the account holder ((e.g. "John Smith")
API Autopkg	
mail Address Email address for the acc	count (e.g. "John@mycompany.com")
Password Password for the account	
Password Password for the account	



- 9. Click Privileges.
- 10. Click Jamf Pro Server Objects.
- 11. Next to Categories, select the checkbox for each of the following columns:
 - Create
 - Read
 - Update
- 12. Next to Computer Extension Attributes, select the checkbox for each of the following columns:
 - Create
 - Read
 - Update

Account Privileges					
Jamf Pro Server Objects > Create, Read, Update and Delete	Jamf Pro Server Objects				
Jamf Pro Server Settings		CREATE	READ	UPDATE	DELETE
Read and Update		All	All	All	All
Jamf Pro Server	Advanced Computer Searches				
Actions	Advanced Mobile Device Searches				
Recon	Advanced User Searches				
	Advanced Volume Purchasing Content Searches				
Jamf Admin	AirPlay Permissions				
	Allowed File Extensions				
Jamf Remote	API Integrations				
	Attachment Assignments				
Jamf Imaging	Automated Device Enrollment				
	Buildings				
	Categories				
	Classes				
	Computer Enrollment Invitations				
	Computer Extension Attributes				
				Cancel	Save

13. Next to File Share Distribution, select the checkbox for Read.

14. For each of the following, select the checkbox for Create, for Read, and for Update:

- Packages • Smart Computer Groups Policies
 - Static Computer Groups
- Scripts
- 15. Confirm that the checkox for Delete is deselected for all rows.



16. Use the following table to confirm that you've granted the appropriate permissions for the API Autopkg account in the Jamf Pro Server Objects section:

	CREATE	READ	UPDATE
Catergories	\checkmark		\checkmark
Computer Extension Attributes	\checkmark	\checkmark	\checkmark
File Share Distribution Points		\checkmark	
Packages			\checkmark
Policies	\checkmark		
Scripts			\checkmark
Smart Computer Groups			\checkmark
Static Computer Groups			

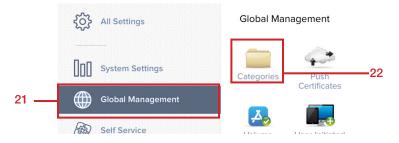
- 17. Click Jamf Pro Server Settings.
- 18. Next to Cloud Distribution Point, select the checkbox for Read.
- 19. Click Save.

Account Privileges			
Jamf Pro Server Objects Create, Read, Horiste and Delete	Jamf Pro Server Settings		
Jamf Pro		READ	UPDATE
Read and Update		All	All
Jamf Pro Server Actions	Activation Code		
Server Actions	Apache Tomcat Settings		
Recon	Apple Configurator Enrollment for Mobile Devices		
	Apple Education Support		
Jamf Admin	App Maintenance		
	App Updates		
Jamf Remote	Autorun Imaging		
	Cache		
Jamf Imaging	Change Management		
	Check-In		
	Cloud Distribution Point		
	Cioud Services Connection		U
	Clustering		
	Computer Inventory Collection		
	Conditional Access		-
		Cancel	Save

20. In the upper-right corner, click Settings (looks like a gear).



- 21. Click Global Management.
- 22. Click Categories.





23. Click New

	Settings : Global Management	
	← Categories	
		+ New
	Configure the following settings: A. Display Name: enter Testing B. Priority in Self Service: set to 9. Click Save.	
20.		
	Settings : Global Management → Categories ← New Category Display Name Display name for the category	
24A —	Testing	
24B —	Priority In Self Service Priority In Self Service (e.g. A category with a priority of *1* is displayed before other categories) 9 •	
	Cancel Save -	

- 26. In the upper-left corner, click Computers.
- 27. Click Static Computer Groups.
- 28. Click New.

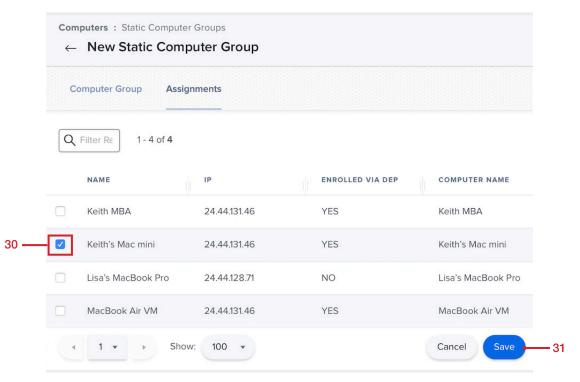
	┛ jamf PRO		<u>오</u> � 錄
26 —	Computers Devices Users	Computers Static Computer Groups	
	INVENTORY		+ New 28
	 Search Inventory Search Volume Content 	NAME ^ COUNT	
	💭 Licensed Software	No Static Computer Groups	
	CONTENT MANAGEMENT		
	Policies		
	🤹 Configuration Profiles		
	Restricted Software		
	PreStage Imaging		
	\Lambda Mac App Store Apps		
	Patch Management		
	eBooks		
	GROUPS		
	Smart Computer Groups		
27 —	C Static Computer Groups		
	(ö) Classes		
	Collapse Menu		



29. In the Display Name field, enter Testing.

Computers : Static Computer Groups ← New Static Computer Group	
Computer Group Assignments	
Display Name Display name for the static computer group	
Testing	

- 30. Select the checkbox for each computer that you want to be in the group. This guide uses only "Keith's Mac mini" as a member of the group.
- 31. Click Save.



32. Click Back.







Section 7: Install and Configure Autopkgr to Keep Zoom up to Date

In this section, you'll use the AutoPkgr app to run an AutoPkg recipe named com.github.jss-recipes.jss.Zoom that performs the following tasks:

- Download the latest Zoom installer for IT
- Rename the package to include the version number
- Upload the package to your Jamf Pro distribution point
- Create or update an Extension Attribute to gather the Zoom version info from computers that have Zoom installed (remember that after you create a new Extension Attribute in Jamf Pro, it will be empty for each enrolled computer until that computer runs inventory)
- Create or update a smart group for computers that have Zoom, but do not have the latest version, and are in the Static Group named Testing
- Create or update a Self Service policy to install the latest Zoom package, available to computers in the smart group, then update inventory

You'll create what's called an override for the com.github.jss-recipes.jss.Zoom recipe. Recipes are created by members of the Mac administrator community. In order to verify changes to recipes, AutoPkg requires that you create an "override" for the recipes you use. This establishes trust with the original parent recipe. If the parent recipe was to change in the future, your recipe would stop running until you had a chance to verify that the changes don't break anything in your workflow. It's a little more work for you in Terminal, but it's worth it to prevent you from inadvertently and automatically running recipes that have been maliciously modified.

You'll also use Terminal to perform the following tasks:

- add the Zoom logo to the recipes override folder
- copy the template to create a smart group in Jamf Pro
- copy the template to create a policy in Jamf Pro
- list all the files in the RecipeOverrides folder

After you run the recipe, you'll use Jamf Pro to confirm that the recipe ran successfully. Running the policy from Self Service on a test Mac is outside the scope of this guide.

1. If necessary, download AutoPkgr here: https://github.com/lindegroup/autopkgr/releases/. Install AutoPkgr by opening the disk image file (dmg) and dragging AutoPkgr to the Applications folder.



2. Open AutoPkgr located in the Applications folder.





3. In the dialog about the app being downloaded from the Internet, "Are you sure you want to open it?", click Open.

0	"AutoPkgr" is an app downloaded from the Internet. Are you sure you want to open it?
	Safari downloaded this file today at 3:27 PM from github-production-release- asset-2e65be.s3.amazonaws.com. Apple checked it for malicious software and none was detected.
?	Cancel Open

- 4. In the "AutoPkgr is trying to install a new helper tool" window, Enter the User Name and Password for an administrator account.
- 5. Click Install Helper.

\cap	AutoPkgr is	trying to install a new	helper tool.
0	Enter your pas	sword to allow this.	
	User Name:		
	Password:		
		Cancel	Install Helper

- 6. At the "'AutoPkgr' Notifications" alert, click Allow.
- 7. Follow these steps:
 - A. Click Install AutoPkg. Enter your admin credentials when prompted.
 - B. Click Install Git. Enter your admin credentials when prompted.

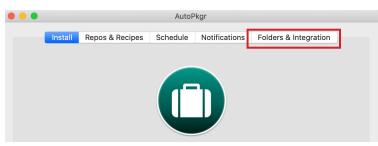
	Install	Repos & Recipes	Schedule	Notifications	Folders & Integration	
Α —	•	Install AutoPkg	0	AutoPkg not in	stalled.	
в —		Install Git	0	Git not installe	d.	
		- 		Pkgr at login kgr menu icon gr in Dock		



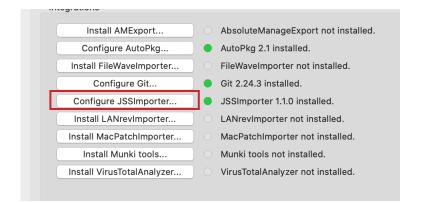
5. Once installed, confirm that each item displays a green status indicator and that it is installed.

Install	Repos & Recipes	Schedule	Notifications	Folders & Integration	
	Install AutoPkg	•	AutoPkg 2.1 in	stalled.	
	Install Git	•	Git 2.2.1 instal	led.	
			Pkgr at login kgr menu icon		
		Hide AutoPk			

6. Click the Folders & Integration tab.



- 7. Click Install JSSImporter then provide your administrator credentials and click OK.
- 8. Click Configure JSSImporter.





- 8. Follow these steps:
 - A. Enter the URL of your Jamf Cloud server.
 - B. Enter your Jamf API User credentials. (You created this user in section 6)
 - C. Click Connect.
- 9. Click Add Distribution Point.

	JSSImporter Integration	
8A —	JSS LIPL: https://your.jamfcloud.com	
8B —	Username: API Autopkg Password: ••••••••• Connect	8C
	Distribution Points	
9—	Add Distribution Point With selected: Edit Remove	
	Shea Craig, Mosen, Graham Pugh http://www.apache.org/licenses/LICENSE-2.0 https://github.com/jssimporter/JSSImporter	
	Uninstall Save and Close	

- 10. Click the Type menu and choose CDP (which stands for Cloud Distribution Point).
- 11. Click Add.

Configur	e New Distribution Point	Configure	e New Distribution Point
Configur	e New Distribution Point	Configur	e New Distribution Point
Туре:	JDS Local AFP CDP SMD 10	Туре:	CDP Cancel Add

12. Click Save and Close.

JSSImporter Integration JSS URL: https://your.jamfcloud.com			🗸 Verify SSL
Username: API Autopkg	Password:	•••••	Connect
Distribution Points			
Cloud Distribution Point			
Add Distribution Point		With selected:	dit Remove
nea Craig, Mosen, Graham Pugh tp://www.apache.org/licenses/LICENSE-2.0 tps://github.com/jssimporter/JSSImporter			
		Uninstall	Save and Close



13. Confirm that AutoPkgr displays a green status indicator next to Configure JSS Importer.

.ibrary/Auto	Repos & Recipes	Schedule	Notifications	Folders & Integration Choose Choose	Open in Finder
.ibrary/Auto	Pkg/RecipeRepos				
.ibrary/Auto	Pkg/RecipeRepos				
				Chassa	
.ibrary/Auto	Pka/RecipeOverride			Choose	Open in Finder
		S		Choose	Open in Finder
rt Pkg porter t orter porter	 AutoPkg 2.1 installe FileWaveImporter n Git 2.24.3 installed. JSSImporter 1.1.0 in LANrevImporter no MacPatchImporter 	ed. not installed. nstalled. t installed. not installed.	led.		
ols					
	kg orter orter orter oorter	kg AutoPkg 2.1 install orter FileWaveImporter r Git 2.24.3 installed orter JSSImporter 1.1.0 i orter LANrevImporter no oorter MacPatchImporter wacPatchImporter Munki tools not ins	kg AutoPkg 2.1 installed. orter FileWaveImporter not installed. Git 2.24.3 installed. orter JSSImporter 1.10 installed. orter LANrevImporter not installed. orter MacPatchImporter not installed. is Munki tools not installed.	kg AutoPkg 2.1 installed. orter FileWaveImporter not installed. orter Git 2.24.3 installed. orter JSSImporter 1.1.0 installed. orter LANrevImporter not installed. borter MacPatchImporter not installed. use Munki tools not installed.	kg AutoPkg 2.1 installed. orter FileWaveImporter not installed. Git 2.24.3 installed. orter JSSImporter 1.1.0 installed. orter LANrevImporter not installed. orter LANrevImporter not installed. orter MacPatchImporter not installed. Is Munki tools not installed.

- 14. Click Repos & Recipes (Repo is an abbreviation of repository).
- 15. In the top portion of the main window, the Repo section, confirm that the checkbox is already selected for https://github.com/autopkg/jss-recipes.git.
- 16. Select the checkbox for each of the following additional Repo Clone URLs:
 - https://github.com/autopkg/recipes.git
 - https://github.com/autopkg/homebysix-recipes.git
 - https://github.com/autopkg/hansen-m-recipes.git

NOTE: To help you find each repo URL, you can enter part of the repo name in the "Filter repos" search field.

- 17. In the "Filter recipes" field, enter **zoom**.
- 18. Select the checkbox for the Zoom.jss recipe.

	AutoPkgr	
14—	Install Repos & Recipes Schedule Notifications Folders & Integration	
	Update Repos Now ? Q Filter repos	
	Repo Clone URL Stars Stat V	
16 —	✓ https://github.com/autopkg/hansen-m-recipes.git ★ 24 ✓ https://github.com/autopkg/jss-recipes.git ★ 50	15
10	✓ https://github.com/autopkg/homebysix-recipes.git ★ 84 ● ✓ https://github.com/autopkg/recipes.git ★ 157 ● → https://github.com/autopkg/Tecnico1931-recipes.git ★ 157 ●	
	Add a repo URL manually: Add	
	Run Recipes Now ? Q zoom	17
	Recipe Name Recipe Identifier Status	
	Zoom-Win.download com.github.hansen-m.download.zoom-win	
	Zoom.download com.github.hansen-m.download.zoomus	
10	Zoom.install com.github.homebysix.install.Zoom	
18 —	✓ Zoom.jss com.github.jss-recipes.jss.Zoom Zoom.munki com.github.homebysix.munki.Zoom	
	Search for a recipe on GitHub: Search	
	Active recipe list: recipe_list	



19. Control-click the Zoom.jss recipe and choose Create Override.

Run Recipes N	ow ?	Q zoom	
Recipe Name	Recipe Identifier		Status
Zoom.download Zoom.install	com.github.hansen-m.download. com.github.homebysix.install.Zoo		
Zoom.j Zoom.r Daront I	Decine: com aithub bomebyciy pka Zoom		
Search t Create	Override		Search

20. Click OK.

Would you like to give the override a unique name?
Zoom.jss
Cancel OK

21. Confirm that the Zoom.jss recipe identifier is renamed to local.jss.Zoom. Leave this open, you'll come back to it in a later step.

	Run Recipes Now	?	Q zoom		(
	Recipe Name	Recipe Identifier		Status	
	Zoom-Win.download	com.github.hansen-m.down	load.zoom-win		
	Zoom.download	com.github.hansen-m.down	load.zoomus		
	Zoom.install	com.github.homebysix.insta	ll.Zoom		
\square	Zoom.iss	com github iss-recipes iss 7	oom		
\checkmark	Zoom.jss	local.jss.Zoom			
	Zoom.munki	com.github.homebysix.munk	ti.Zoom		
	Zoom.pkg	com.github.homebysix.pkg.2	Zoom		
	ZoomPresence.download	com.github.homebysix.down	load.ZoomPresence		
	Search for a recipe on GitHub:				

22. Open Terminal.app.

23. Highlight the following three commands from this guide then press Command-C to copy the text to the Clipboard.

NOTE: This guide displays the commands in a small typeface so that each command fits on a single line.

cp ~/Library/AutoPkg/RecipeRepos/com.github.autopkg.jss-recipes/Zoom/Zoom.png ~/Library/AutoPkg/RecipeOverrides

```
cp -/Library/AutoPkg/RecipeRepos/com.github.autopkg.jss-recipes/
CFBundleVersionSmartGroupTemplate.xml -/Library/AutoPkg/RecipeOverrides
```

```
cp ~/Library/AutoPkg/RecipeRepos/com.github.autopkg.jss-recipes/PolicyTemplate.
xml ~/Library/AutoPkg/RecipeOverrides
```

- 24. In Terminal, press Command-V to paste the contents of the Clipboard, then press Return.
- 25. Confirm that Terminal doesn't return any error messages from the commands you just ran.
- 26. Run the following command to confirm that four files are in the RecipeOverrides folder. Confirm the names of the returned files match the names of the files in the following figure:

ls -alh ~/Library/AutoPkg/RecipeOverrides

drwxr-xr-x 6 keith staff 192B May 27 23:27 . drwxr-xr-x 5 keith staff 160B May 27 23:09 .. -rw-r--r-- 1 keith staff 816B May 27 23:25 CFBundleVersionSmartGroupTemplate.xml -rw-r--r-- 1 keith staff 830B May 27 23:27 PolicyTemplate.xml -rw-r--r-- 1 keith staff 2.7K May 27 22:06 Zoom.jss.recipe -rw-r--r-- 1 keith staff 114K May 27 23:13 Zoom.png



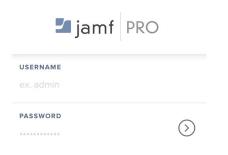
27. In AutoPkgr, select the Zoom.jss recipe, then click Run Recipes Now.

Run Recipes Now	2	् zoom		6
Recipe Name	Recipe Identifier		Status	
Zoom-Win.download	com.github.hansen-m.download.zo	om-win		Ī
Zoom.download	com.github.hansen-m.download.zo	omus		
Zoom.install	com.github.homebysix.install.Zoom	1		
Zoom.jss	com.github.jss-recipes.jss.Zoom			
Zoom.jss	local.jss.Zoom			1
Zoom.munki	com.github.homebysix.munki.Zoom	n		l
Zoom.pkg	com.github.homebysix.pkg.Zoom			
ZoomPresence.download	com.github.homebysix.download.Zo	oomPresence		

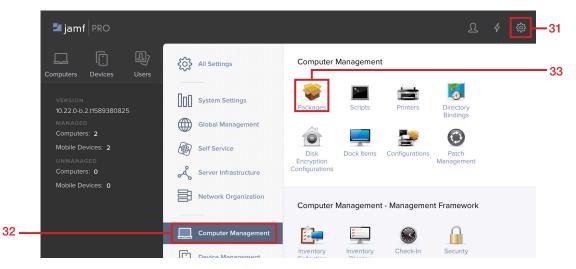
- 28. Confirm that AutoPkgr runs the Zoom.jss recipe.
- 29. Quit AutoPkgr when done.

Running selected AutoPkg recipes	
(1/1) Processing local.jss.Zoom	Cancel

30. If necessary, log in to Jamf Pro.



- 31. In the upper-right corner, click Settings.
- 32. Click Computer Management.
- 33. Click Packages.





34. Confirm that Jamf Pro displays a package for zoom.

Settings : Computer Management ← Packages			
NAME	CATEGORY	PRIORITY	FUT
zoom.us-5.0.26223.0603.pkg	Productivity	10	No

35. Click Back.



- 36. Click Computer Management
- 37. Click Extension Attributes.

	Computers Devices	ഥ) Users	ŝ	All Settings	Computer I	Management	t		
	VERSION 10.22.0-b.2.t158938082 MANAGED Computers: 2 Mobile Devices: 2 UNMANAGED Computers: 0	5	□□ ● ☞ ~	System Settings Global Management Self Service Server Infrastructure	Packages Disk Encryption Configurations	Scripts	Printers Configurations	Directory Bindings Patch Management	
	Mobile Devices: 0		3	Network Organization	Computer N	Management	t - Managemer	nt Framework	
36 —				Computer Management	Inventory Collection	inventory Display	Check-In	Security	- 37
			<u>D</u>	User Management	Extension Attributes	Autorun Imaging	Removable MAC	App Updates	

38. Confirm there is an Extension Attribute named zoom.us.Version.

Settings : Computer Management ← Extension Attributes	
	+ New + New From Template
NAME	^
zoom.us Version	



- 39. Click Computers.
- 40. Click Smart Computer Groups.
- 41. Confirm there is a smart group named zoom.us-update-smart.

39 Computers	Computers Smart Computer Groups		
INVENTORY		+ New	
Search Inventory	NAME	COUNT	
Q Licensed Software	All Managed Clients	2	
CONTENT MANAGEMENT	All Managed Servers	0	
Policies Onfiguration Profiles	zoom.us-update-smart	0	
Restricted Software	t	-	- 41
PreStage Imaging			
Mac App Store Apps Figure 4			
eBooks			
GROUPS			
40			
다. Static Computer Groups 棇 Classes			

42. Click Policies.

┛ jamf PRO				<u>८</u> 4 🅸
Computers Devices Users	Computers Policies			
INVENTORY	NAME	FREQUENCY	TRIGGER	SCOPE
Search Inventory Search Volume Content Licensed Software	macOS Applications			
CONTENT MANAGEMENT	Install chrome	Once per computer	Check-in	1 computer
Policies	Install Zoom	Once per computer	InstallZoom	No scope defined
 Restricted Software PreStage Imaging Mac App Store Apps 	No category assigned			
 Patch Management eBooks 	Update Inventory	Once every week	Check-in	All computers
GROUPS	 Testing 			
ြာ႕ Static Computer Groups (ဂိုဂို Classes	Install Latest zoom	n.us Ongoing	Self Service	zoom.us-update-smart



36. Confirm the following:

- A policy named Install Latest zoom.us was created.
- The frequency is set to Ongoing.
- The trigger is set to Self Service.
- The scope is set to the "zoom.us-update-smart" smart group.

NOTE: If you don't want to use Self Service as the scope, you can change the scope to fit your needs.

\odot	•	Install Latest zoom.us		Ongoing	Self Service	zoom.us-update- smart
	1	Ş	Install zoom.us-5.0.25694.0524.pkg			
	2	<	Update Inventory			

The next time you run the Zoom.jss recipe in AutoPkgr, if there was an updated version of Zoom, the policy will contain the latest version. Other features of AutoPkgr, such as setting a schedule to check for updates on a schedule that fits your needs, or sending notifications about new versions to an email address or to a Slack channel, are outside the scope of this guide.

This completes the guide.

If you'd like help implementing the solution in this white paper, we are ready to help; contact us at info@hcsonline.com or (866) 518-9672.

If you have corrections please send them to info@hcsonline.com.

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