Deploying Zoom Through Addigy with
Privacy Preferences Policy Control

Contents

Overview

A step-by-step process to create a separate package of Zoom will be laid out, which will allow for easier deployment and installation of the Zoom app into your users' Applications folder. Following that, the guide will go through the steps to configure PPPC, which is the process in which privacy-sensitive settings are adjusted through a Profile. This guide will show how to set "Allow" access to the Accessibility privacy setting. However, since it is not possible to configure "Allow" access to other privacy-sensitive settings (Camera, Microphone, Screen Recording), your users would need to Allow access to those settings on their own for proper use of audio, video, and screen sharing features. Users will be prompted for these permissions when Zoom is first used.

This guide will provide the necessary steps to deploy Zoom with Privacy Preferences Policy Control (PPPC) through Addigy.

Requirements:
- Addigy subscription
- APNs Push Certificate - See HCS White Paper for instructions: https://hcsonline.com/images/MAID_APNS_user.pdf
- Package creation software (i.e. Packages)
- Test Mac that does not have Zoom installed, and is enrolled in your Addigy instance

Section 1: Create the Zoom Package

1. In a web browser, visit https://zoom.us/download

Zoom Client for Meetings

The web browser client will download automatically when you start or join your first Zoom meeting, and is also available for manual download here.
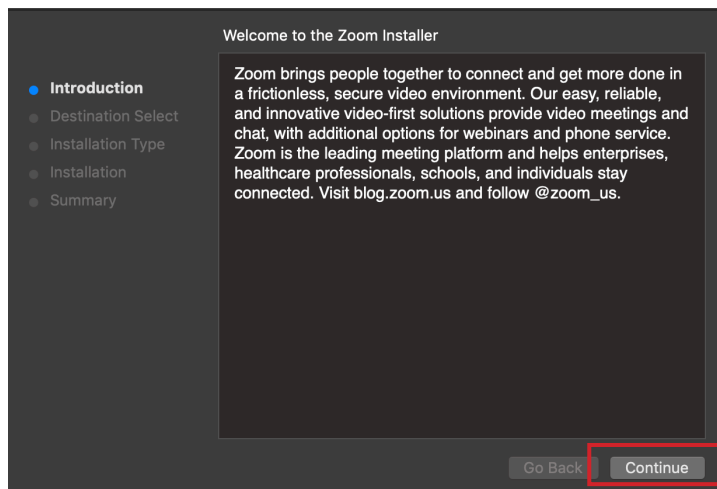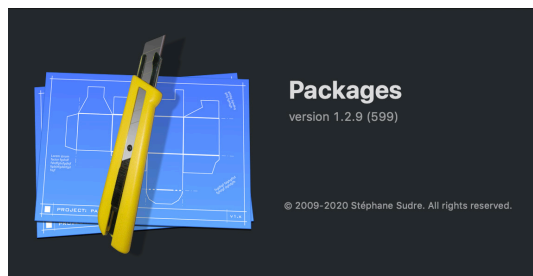
Download   Version 5.0.3 (24978.0517)

2. Make a note of the version of Zoom. The version of Zoom for this guide is 5.0.3; don't worry about the build number in parentheses. Navigate to the download location and double-click Zoom.pkg.

Zoom.pkg
Modified: Today, 1:14 PM
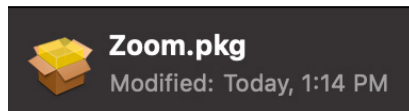
3. Continue through the installation process. You will be prompted for administrative credentials during the installation process.

Welcome to the Zoom Installer

● **Introduction**
● Destination Select
● Installation Type
● Installation
● Summary

Zoom brings people together to connect and get more done in a frictionless, secure video environment. Our easy, reliable, and innovative video-first solutions provide video meetings and chat, with additional options for webinars and phone service. Zoom is the leading meeting platform and helps enterprises, healthcare professionals, schools, and individuals stay connected. Visit blog.zoom.us and follow @zoom_us.

Go Back   Continue

NOTE: In order to use Addigy to distribute software, you first need to package it into the .pkg format. Although there are many tools for this purpose, this guide uses an app called Packages: http://s.sudre.free.fr/Software/Packages/about.html

Packages
version 1.2.9 (599)

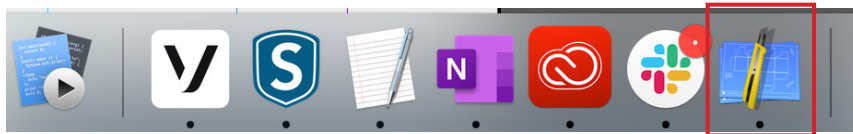© 2009-2020 Stéphane Sudre. All rights reserved.
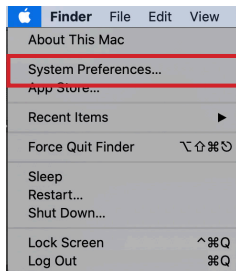
4. Open Packages.

Packages

5. If you see the New Project window, click Cancel.
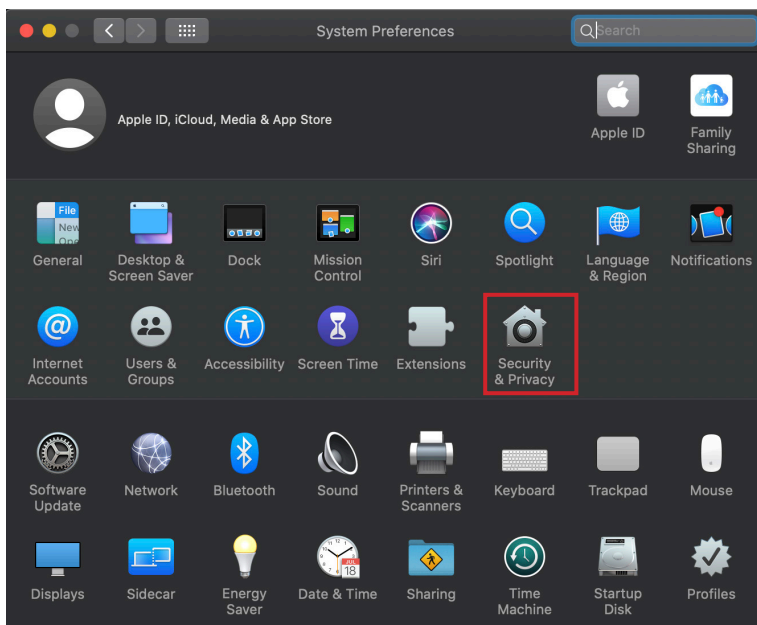
6. Confirm that Packages is in your Dock.

7. You will need to Allow Full Disk Access to Packages.

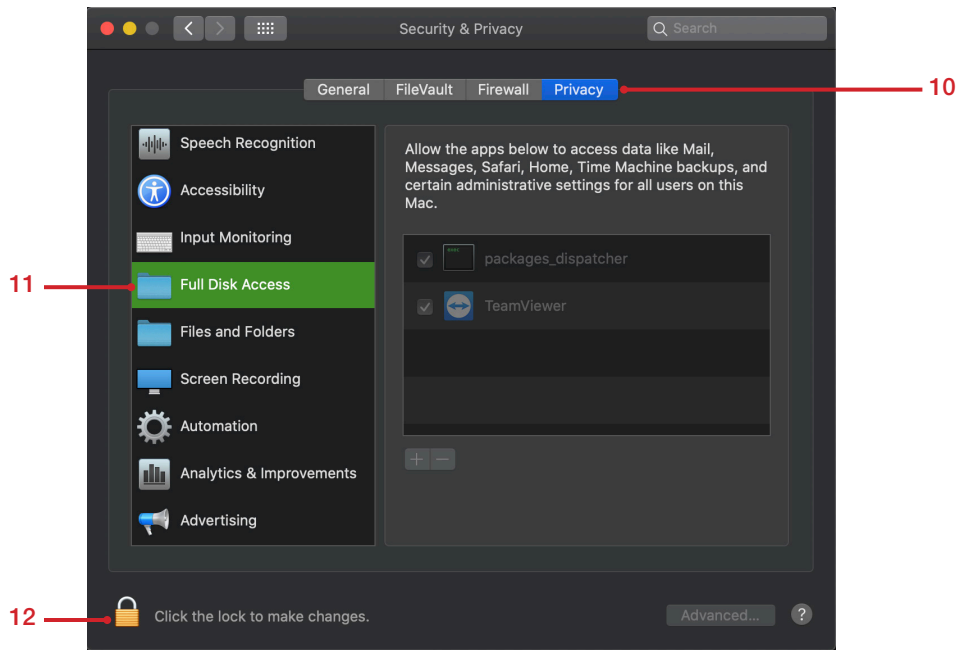8. Click the Apple logo in the upper left side of the screen and choose System Preferences.
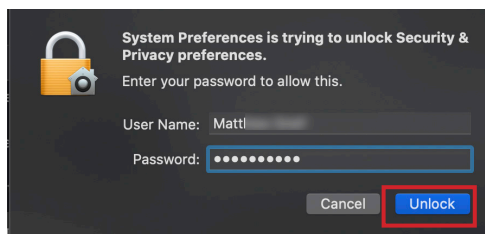

9. Click Security & Privacy

10. Click Privacy

11. On the left sidebar, scroll down and select Full Disk Access.

12. Click the lock in the lower left side to make changes.

13. Enter your administrative password and click Unlock.

14. Select the checkbox next to packages_dispatcher.
NOTE: If you do not see packages_dispatcher, go to the next step. If your are able to select packages_dispatcher then go to step 23.
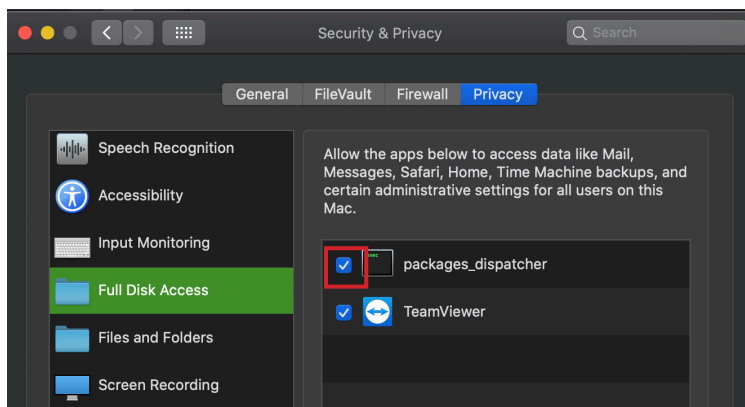
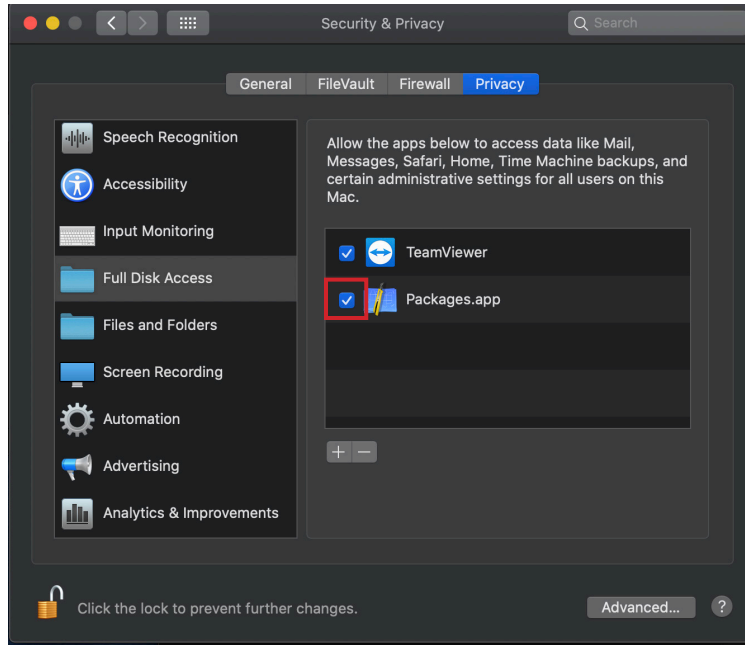15. If packages_dispatcher is not available, you will need to add Packages.

16. Click Add (+).
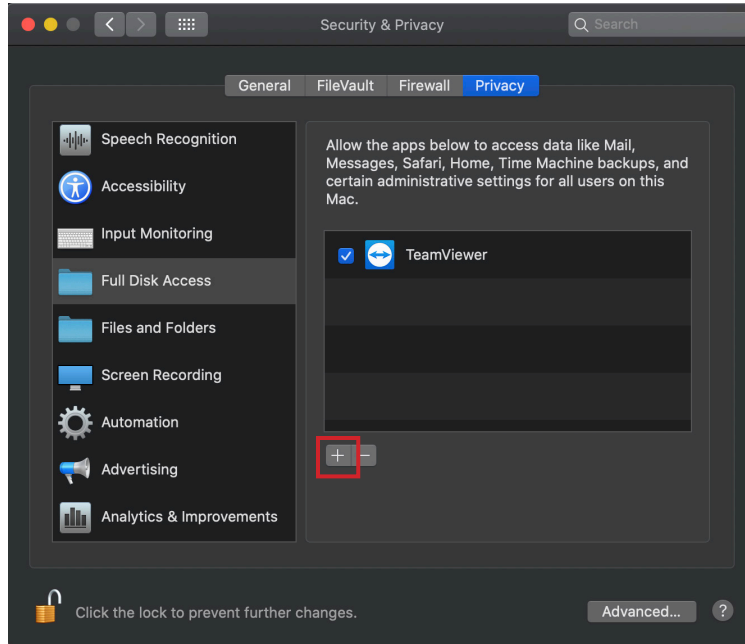
17. Navigate to your Applications folder.

18. Choose Packages.

19. Click Open.
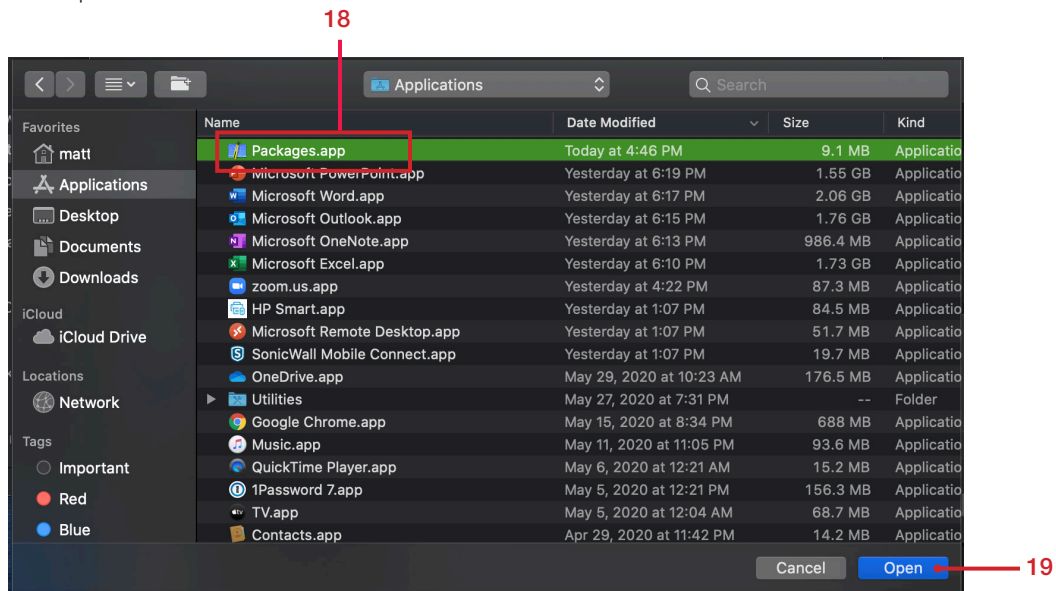
20. Select the checkbox next to Packages, if it's not already selected.
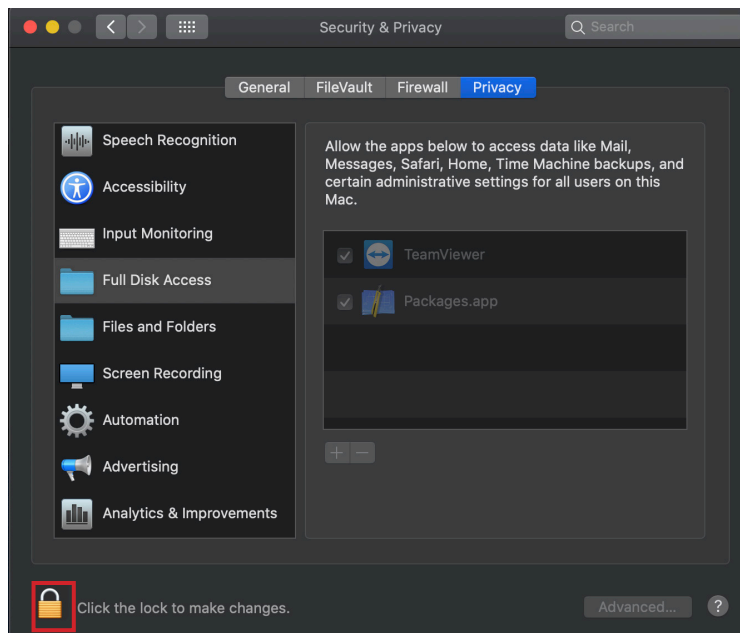

21. Click Quit Now when prompted to do so. This will allow Packages to properly create the pkg file.
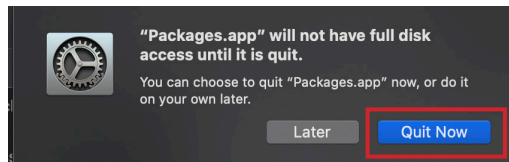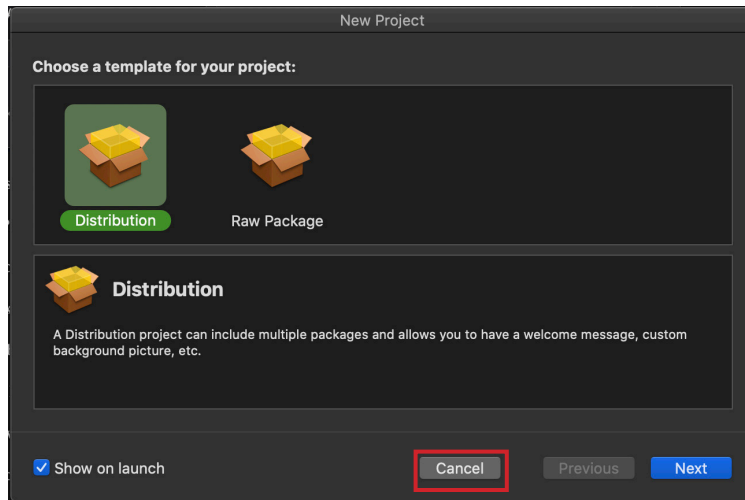

22. Packages will quit.

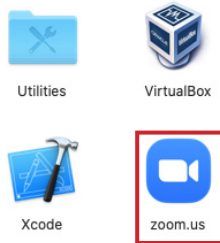23. Click the lock in the lower left again to prevent further changes and close System Preferences.

24. Open Packages

25. Click Cancel.

26. Locate Zoom in the Applications folder.

27. Drag Zoom app from the Applications folder to the Packages icon in the Dock.

28. Confirm that Packages displays an image in the center of the screen to indicate that the package is building.

29. After the build is finished, the pkg file will be located the Applications folder. Take note of this location, because you'll need it in an upcoming step.
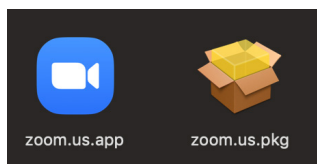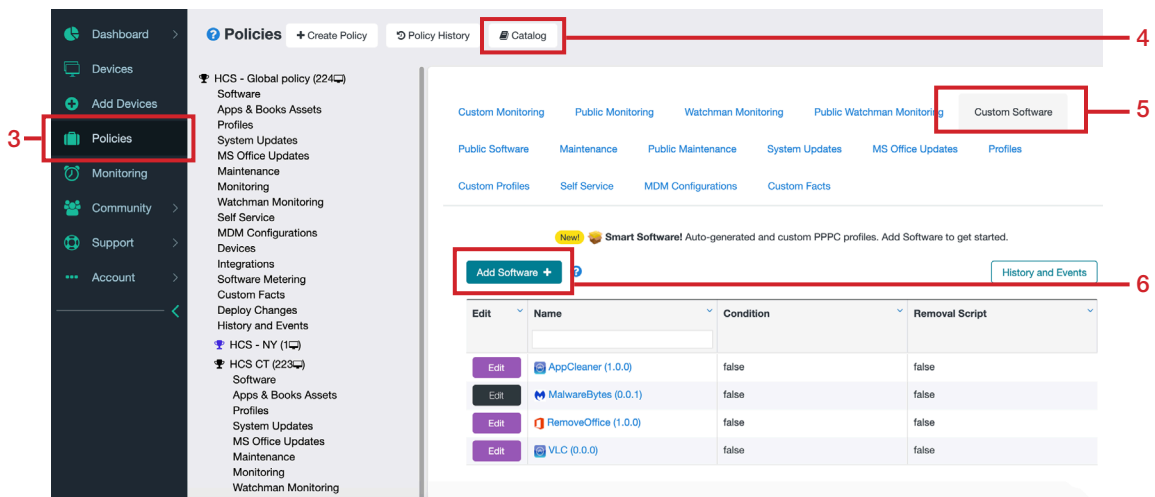
Section 2: Upload the Zoom package and configure PPPC settings

1. Open a new tab or window in the browser of your choice, and go to https://prod.addigy.com/login.

2. Use your Addigy administrator credentials to log in.
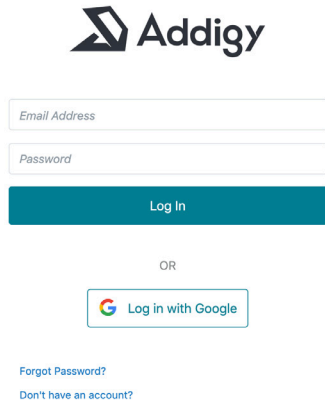
3. In the sidebar, click Policies.

4. At the top of the page, click Catalog.

5. Click Custom Software.

6. Click Add Software.

7. In the Software Identifier field, enter Zoom. In the Version fields, enter the version of the software that you downloaded at the beginning of this guide.

8. Click Create.

9. TIn the Edit Settings window, click Select File(s).

11. Click Upload New.

12. Click "Drop your files here or click to upload."

Files

0 file(s) selected: Clear   Select

Delete files

Drop your files here or click to upload

Cancel   Upload

13. Navigate to the Applications folder, select the Zoom.us.pkg, and click Open.

14. Confirm that the browser displays the zoom.us.pkg in the lower-left corner of the upload window.

Files

0 file(s) selected: Clear   Select

Delete files

Drop your files here or click to upload

✖ zoom.us.pkg - 19.1MB

Cancel   Upload

16. Click Upload.

15. Select the checkbox for zoom.us.pkg.

Files

Cancel   Upload New

0 file(s) selected: Clear   Select

Delete files

	Filename	Content-Type	Size	Date
☐	zoom.us.pkg	application/octet-stream	19.10 MB	May 21, 2020

16. Click Select.

Files　　　　　　　　　　　　　　　　　　　　　　　　　　　Cancel　Upload New

1 file(s) selected:　Clear　Select　　　　　　　　　　　　　　　　　　Delete files

	Filename	Content-Type	Size	Date
☑	zoom.us.pkg	application/octet-stream	19.10 MB	May 21, 2020

17. Confirm that in the Installation Files section, Addigy displays the installation package for Zoom, along with "Apps found" in green text. The "Apps found" indicates that Addigy has detected an app in the package file you uploaded.

18. In the Add Installation Script section, click Add.

Zoom　　　　　　　　　　　　　　　　　　　　　　　　　　ver. **5.0.3**

Installation Files (1)

New!　🌮 **Smart Software!** Upload a pkg, dmg, or zip file and assign PPPC payloads for each app.

Filename	Download	Add installation script	Remove
zoom.us.pkg *Apps found*	↓	Add	🗑

Select File(s)　These files will be downloaded to the device using the LAN-Cache (once per network) before the installation. Install commands for .sh or .pkg files can be added to the installation script.
Download destination: **/Library/Addigy/ansible/packages/Zoom (5.0.3)**

PPPC Profiles　*Requires user-approved MDM and 10.14 or newer*

Include a PPPC profile per app to prevent end-user prompts. Select from any apps found above or enter one manually.

Add PPPC rules for:　Select app or enter manually...　Add

19. Confirm that the Installation Script section is automatically populated (this is the command that Addigy will run on a client computer to install the package).

</> Installation Script

Will be executed after downloading the file(s).

```
/usr/sbin/installer -pkg "/Library/Addigy/ansible/packages/Zoom (5.0.3)/zoom.us.pkg" -target /
```

20. In the PPPC Profiles section, next to "Add PPC rules for," click the menu.

21. Choose zoom.us.

Zoom   ver. **5.0.3**

Installation Files (1)

New! 🟤 **Smart Software!** Upload a pkg, dmg, or zip file and assign PPPC payloads for each app.

Filename		Download	Add installation script	Remove
zoom.us.pkg *Apps found*		⬇	Add	🗑

Select File(s)   These files will be downloaded to the device using the LAN-Cache (once per network) before the installation. Install commands for .sh or .pkg files can be added to the installation script.
Download destination: **/Library/Addigy/ansible/packages/Zoom (5.0.3)**

PPPC Profiles   *Requires user-approved MDM and 10.14 or newer*

Include a PPPC profile per app to prevent end-user prompts. Select from any apps found above or enter one manually.

Add PPPC rules for: Select app or enter manually...   Add

zoom.us

22. Click Add.

PPPC Profiles   *Requires user-approved MDM and 10.14 or newer*

Include a PPPC profile per app to prevent end-user prompts. Select from any apps found above or enter one manually.

Add PPPC rules for: zoom.us   Add

23. Confirm that Addigy displays a zoom.us header, with the "Identify by" and Signature fields already populated.

24. In the section that contains PPPC settings, confirm that the Accessibility setting is set to "Allow."

25. Leave the preferences that are particularly sensitive to privacy, including Camera, Microphone, and Screen Capture at their default settings of "Prompt." You do not have the option to change those settings to "Allow". The first time a user on a Mac opens Zoom, Zoom will prompt the user to allow access to camera, to microphone, and to screen capture.

    NOTE: It is not possible to configure "Allow" access to privacy-sensitive settings (Camera, Microphone, and Screen Capture), as noted in Apple's Configuration Profile Reference: https://developer.apple.com/business/documentation/Configuration-Profile-Reference.pdf

26. Click Save and Review.

Edit Software   ✕

∨ **zoom.us**   Delete

Identify by: ⦿ us.zoom.xos
              ○ File path...

Signature: identifier "us.zoom.xos" and anchor apple generic and certificate 1[field.1.2.840.113635.100.6.2.6] /* exists */ and certificate leaf[field.1.2.840.113635

24 ——

Allow ∨	Accessibility	Allow ∨	Media Library	Allow ∨	System Files
Allow ∨	Contacts	Prompt ∨	Microphone	Allow ∨	Desktop Folder
Allow ∨	Calendar	Allow ∨	Photos	Allow ∨	Documents Folder
Prompt ∨	Camera	Allow ∨	Post Event	Allow ∨	Downloads Folder
Allow ∨	File Provider Presence	Allow ∨	Reminders	Allow ∨	Network Volumes
Prompt ∨	Listen Event	Prompt ∨	Screen Capture	Allow ∨	Removable Volumes
Allow ∨	Speech Recognition	Allow ∨	Admin Files		

Send Apple Events

Reset   Save and Review —— 27

27. Click Confirm Changes.

28. Confirm that the Custom Software section contains Zoom.

Section 3: Deploy Zoom

1. Navigate to your desired Policy.

2. Click Software.

3. Scroll down the bottom until you reach the Your Software section.
4. Next to Zoom, click Add App.

5. Click Add.

6. Next to Zoom, confirm that Addigy changed the button from App Add to Cancel Addition.

7. Under your selected Policy, click Deploy Changes.

8. Click Confirm All.

9. Click Deploy Now.

10. In the Confirmation Required window, click Deploy.

11. In the upper-right corner, confirm that Addigy displays a notification to indicate the software has been deployed successfully.

12. Click View Details to check the status of the deployment.

Current policy: Testing

View Details   Deploy Now

Deployment Progress

Policy Activity   ✕

MS Office Updates

Microsoft_OneNote_15.35.17061600_Updater.pkg
Success 1 / 1

Microsoft_Word_15.35.17061000_Updater.pkg
Success 1 / 1

Microsoft_Outlook_15.35.17061000_Updater.pkg
Success 1 / 1

Disable MS Office Auto Update
Success 1 / 1

Microsoft_PowerPoint_15.35.17061000_Updater.pkg
Success 1 / 1

Microsoft_Excel_15.35.17061000_Updater.pkg
Success 1 / 1

Software

Custom Software - Zoom (5.0.3)
Success 1 / 1

Public Software - Block Install Catalina (10.15.0.3)
Success 1 / 1

13. On the client Mac, wait until the Applications folder contains the Zoom app (zoom.us). This confirms that the Zoom app was successfully deployed to the test Mac.

zoom.us

14. In Addigy, in the upper-right corner, click your name then choose Log Out.

Matt

Account Settings

Log Out

Business Dashboard

Dashboard

Business

System

Assets

Executive

All Policies   Search Filters...

🖨 Print Report   ☑ Reports sent   🔧 Maintenance Jobs

Last Week   Last Month

Section 4: 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.

Microsoft

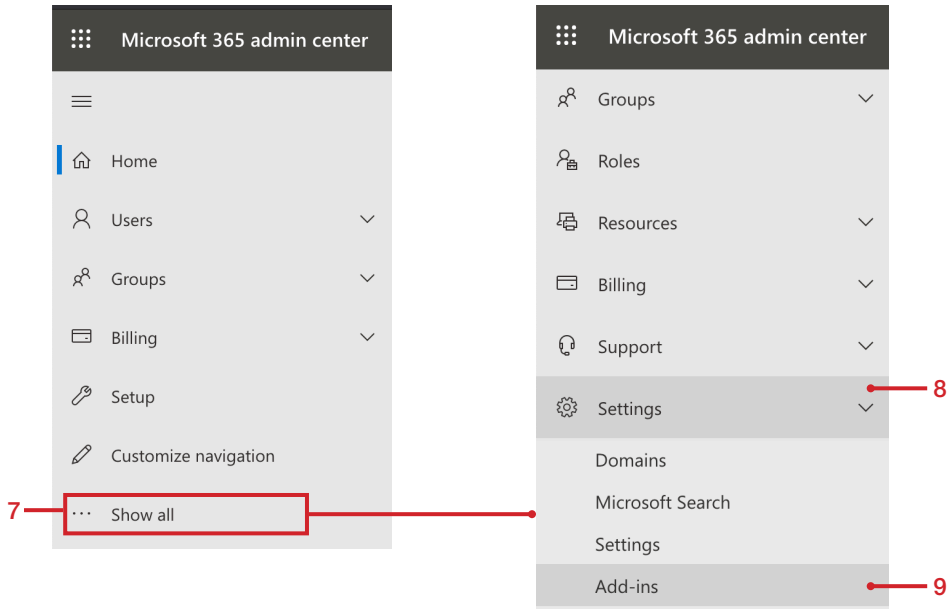kr▮▮▮▮▮@hcstechgroup.com

Stay signed in?

Do this to reduce the number of times you are asked to sign in.

☐ Don't show this again

[No]   [Yes]

7. In the sidebar, click "Show all."

8. Select Settings.

9. Select Add-ins.

10. Click Deploy Add-in.

11. Click Next.

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.

zoom 🔍   Suggested for you ⌄

Products

All   Zoom for Outlook   Add
                 Add a Zoom meeting to any Outlook calendar event.
Excel   ★★★★☆

14. Click Continue.

One moment...

📹 **Zoom for Outlook**

License terms and Privacy policy

By clicking continue, you agree to the provider's license terms and privacy policy and understand that the rights to use this product do not come from Microsoft, unless Microsoft is the provider.

Cancel   Continue

15. Select Everyone.

Configure add-in

📹 **Zoom for Outlook**
By Zoom Video Communications, Inc

Assign Users
Choose which users will have access to Zoom for Outlook

◉ **Everyone**

○ **Specific users / groups**
   Search for specific users or groups to add or remove

   Start typing a name to search for users

○ **Just me**

22

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

Deployment Method

- ● **Fixed (Default)**

  The add-in will be automatically deployed to

- ○ **Available**

  Users may install this add-in by clicking the G

- ○ **Optional**

  The add-in will be automatically deployed to

After you choose 'Deploy', 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.

18. Click Next.

[Next]   [Close]

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

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.

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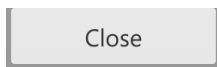
21. Confirm that the sidebar now contains the "Zoom for Outlook" add-in.

HCS Technology Group

Add-ins

+ Deploy Add-In

Name ↑

Zoom for Outlook
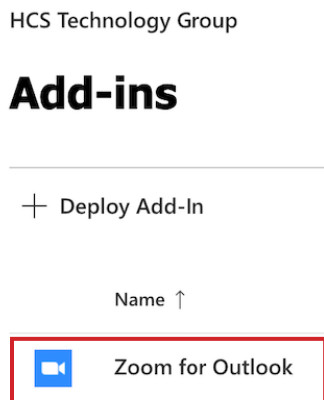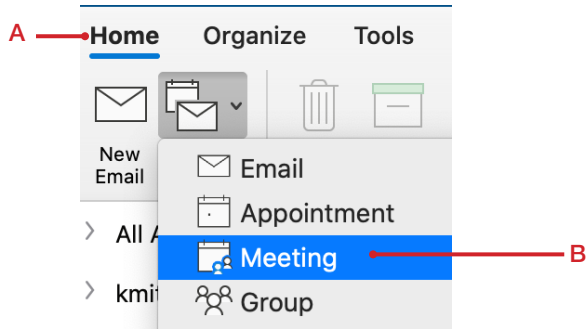
22. Log out of the Microsoft 365 Admin portal.

23. In the Finder, open the Applications folder.

24. Open Microsoft Outlook.
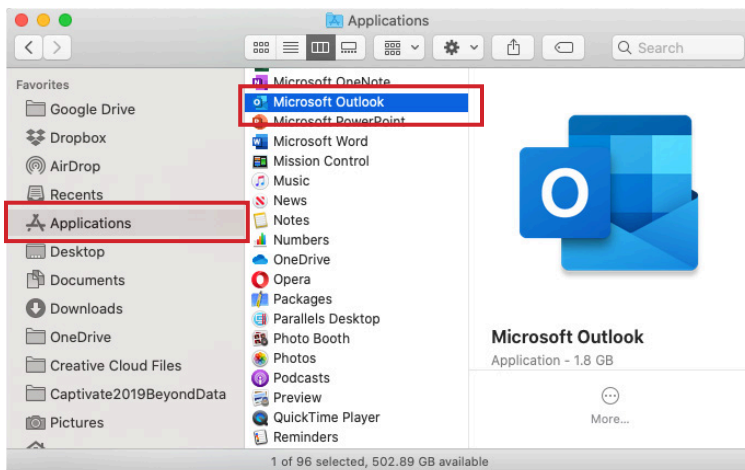
25. In the toolbar, follow these steps:
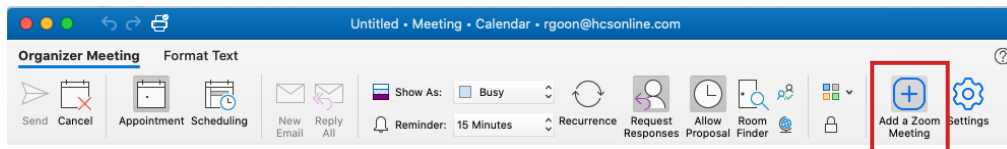   A. Click Home.

    B. Click New Items and choose Meeting.

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

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

28. Sign in to your Zoom account.

29. In the toolbar, in the right side, click Settings.
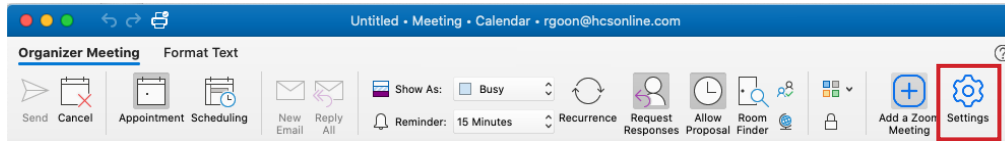
29. Optional - Configure Video settings.

30. 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.
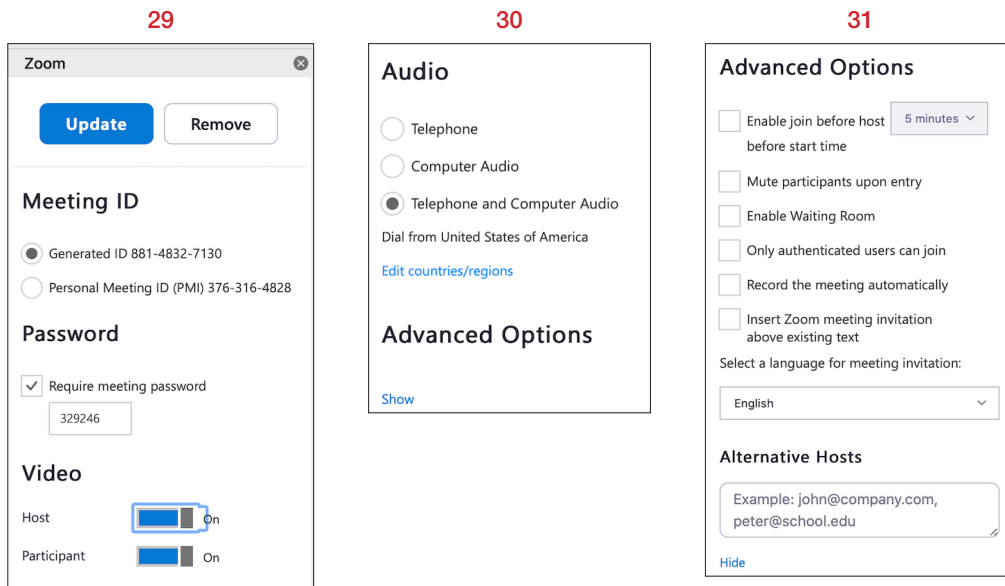
31. Click Update.

32. In the toolbar, click Send.
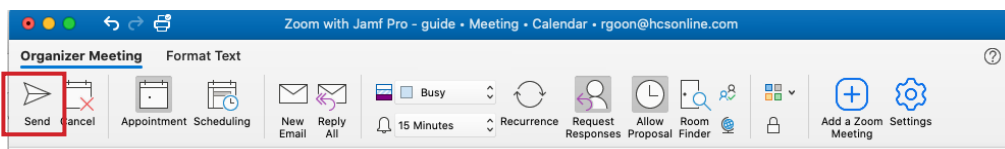
33. Confirm that the recipient received the invitation message.

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.

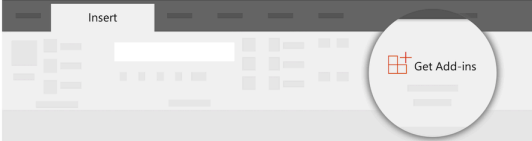If you'd like help implementing the solution in this white paper, we are ready to help; contact us at info@hcsonline.com or (866) 518-9672.

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

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