

Deploying Splashtop Streamer with Jamf Pro



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The purpose of this guide is to provide a workflow for Mac administrators to deploy Splashtop Streamer to multiple Mac computers. This guide uses Jamf Pro as an example mobile device management (MDM) solution.

Resources:

- Download the Splashtop Streamer Installer here: https://my.splashtop.com/csrs/mac
- Download the Splashtop Install script here: https://support-splashtopbusiness.splashtop.com/hc/en-us/article_attachments/360065327792/Deploy_ splashtop_streamer.sh.zip

The following was used for this guide:

- Jamf Pro 10.21 (version 19 or later is required)
- A Mac with macOS Catalina with Jamf Composer installed.
- A Mac with macOS Big Sur that is enrolled in Jamf Pro



Section 1: Building the Splashtop Streamer Installer

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

- 1. If necessary, download the Splashtop Streamer Installer here: https://my.splashtop.com/csrs/mac
- 2. If necessary, download the Splashtop Install script here: https://support-splashtopbusiness.splashtop.com/hc/en-us/article_attachments/360065327792/ Deploy_splashtop_streamer.sh.zip
- 3. On your Mac that has Jamf Composer installed, in Finder, use the Go menu and select Go to Folder.

Ś	Finder	File	Edit	View	Go Window Help		
					Back	¥[
					Forward	¥]	
					Select Startup Disk on Desktop		
					Recents	企業F	
					🖻 Documents	企業Ο	
					🕅 Desktop	企業D	
					O Downloads	~æL	
					合 Home	☆ 第 日	
					Computer	企業C	
					AirDrop	企業R	
					Wetwork	ΰ₩K	
					iCloud Drive	습策	
					Applications	<mark>ଫ</mark> େ⊯A	
					💥 Utilities	企業U	and the second se
					Recent Folders	•	A Brook
					Go to Folder	企業G	- All Stapping
					Connect to Server	ЖK	The start of
				e la	Nation and States		
						ailf a star	San All

4. Enter /private/tmp and click Go.



5. Within this directory, make a new folder and name it Streamer

•••	🚞 tmp	
$\langle \rangle$		Q Search
 ☆ rgoon ŵ Pictures ♫ Music ➡ Movies 	 etc ftpboot tmp var 	CurrentSubsys.xml Streamer SubsysList.xml mo00004741 XMLBase.xml



6. Drag and drop the two files we downloaded earlier (Splashtop installer.dmg and deploy_splashtop_ streamer.sh) into the folder, Streamer.

	E Streamer	
$\langle \rangle$		Q Search
~	CurrentSubsys.xml	sh deploy_splashtop_streamer.sh
fill rgoon	Streamer	Splashtop_StreamerTALLER_v3.4.4.1.dmg
Dictures	SubsysList.xml	
Music	tmp00004741	
	XMLBase.xml	
Movies		

7. Open Jamf Composer on your computer, and log in if prompted.



8. If a window opens asking which method to use to create your package, click Cancel.





9. Drag and drop the folder called Streamer into the sidebar of Composer. It will appear as a package under Sources.



10. Adjust the ownership and permissions of Streamer to match the private folder. Select the private folder in the center window and click the gear icon. Select "Apply Permissions to private and All Enclosed Items"





10. Click "Build as PKG".

•••		Composer 10).26.1						
8	ð 🏂 👘				Q Search				
New Build	as DMG Build as PKG					Sea	rch		
SOURCES	🕨 🚞 private								
🕨 🥪 Streamer									
PACKAGES									
	priv	rate	Owner: Group: Everyone:	root (0) wheel (0)	0	R ✓ ✓	W	× ✓ ✓	*

11. Select Desktop as the destination to be saved.

		🛅 Desktop	۵ ۵	Search	
Favorites	Relocated Items	•			
New Folder				Cancel	ive

12. Confirm the package is saved on your Desktop.





Section 2: Upload the PKG to Jamf Pro

1. Log in to Jamf Pro.

🗖 jamf 🛛 PRO	
USERNAME	
PASSWORD	(\mathcal{D})
	\bigcirc

- 2. In the upper-right corner, click Settings (looks like a gear).
- 3. Click Computer Management.
- 4. Click Packages.

™ jamf PRO		ይ 🥍 🕘 🗕 2
Computers Devices Users	주 All Settings	Computer Management
VERSION 10.21.0-11586871296 MANAGED	Global Management	Packages Scripts Printers Directory Bindings Cencyption Configurations
Computers: 46 Mobile Devices: 6 UNMANAGED Computers: 0	Self Service Server Infrastructure	Dock Items Configurations Patch Management
Mobile Devices: 0	Network Organization	Computer Management - Management Framework
3	Computer Management	Inventory Inventory Check-In Security Extension Collection Display
	User Management	Autorun Removable App Updates

5. Click New.





- 6. For the name, enter Splashtop Streamer
- 7. Choose an apporiate Category, this guide uses macOS Apps.
- 8. Click Choose File.

Computers Devices Users	Settings : Computer Management > Packages ← New Package	
version 10.28.0-b.2.t1614093710	General Options Limitations	
MANAGED Computers: 1	Display Name Display name for the package	
Mobile Devices: 0	Splashtop Streamer	6
UNMANAGED Computers: 0	Category Category to add the package to	7
Mobile Devices: 0	macOS Apps	'
	Choose File	8
	Upload Manifest File	
	Info Information to display to the administrator when the package is deployed or uninstalled	
	Notes Notes to display about the package (e.g. who built it and when it was built)	
Collapse Menu	Cancel Save	

- 9. Follow these steps:
 - A. Navigate to your Desktop.
 - B. Select the Streamer.pkg file.
 - C. Click Choose for Upload.

Favorites	Relocated Items		
** Drophox	RG 🕨		
C Decente	Streen Shotat 5.03.20 PM		
Applications	Siteaner.pkg		
🛄 Desktop			
Documents			
Ownloads			
rgoon			
Dictures			
J Music	Stre	amer.pkg	
H Movies	Insta	ler package - 16.1 MB	
Integrating Mo	Info	rmation	
			Today 4:44 PM
Creative Cloud	Crea	ea	roddy, 444 r m

10. Click Save.





Section 3: Create a policy to Splashtop Streamer

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



- 5. Configure the following settings:
 - A. Display Name: Install Splashtop Streamer
 - B. Enabled: Checkbox selected
 - C. Category: Optional: This guide uses macOS Apps.
 - D. Trigger: Select the checkbox for the Recurring Check-in
 - E. Execution Frequency: Once per computer





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

	NTORY	Options Scope Self Service User Interaction
	Search Volume Content	G General
6 –	Licensed Software	Packages > 0 Packages >
	Policies Configuration Profiles	Software Updates Not Configured
	Restricted Software PreStage Imaging	Scripts Oserhis Use this section to install, cache, and uninstall
	Mac App Store Apps Patch Management	Printers Cached package.
	eBooks JPS	Disk Encryption Not Configure Configure
	Smart Computer Groups	7

- 8. Find the Splashtop Streamer entry.
- 9. For the Splashtop Streamer entry, click Add.

ervice User Interaction		
Packages		Packages Settings
NAME	CATEGORY	
Splashtop Streamer	macOS Apps	Add 9
	Packages NAME Splashtop Streamer	Packages NAME CATEGORY Splashtop Streamer macOS Apps

10. Choose a Distribution Point if needed. This guide uses Cloud distribution point.

۶	Packages > 1 Package	Packages	
(@)	Software Updates Not Configured	Distribution Point Distribution point to download the package(s) from Cloud distribution point	
×.	Scripts 0 Scripts		
营	Printers 0 Printers	Action Action to take on computers	× +
	Disk Encryption Not Configured	Install	



- 11. In the middle column, scroll down to Files and Processes.
- 12. Click Files and Processes



13. Click Configure.





14. Under Execute Command field, paste the following and substitute XXXXXX with your Deploy Code:

sudo sh /private/tmp/Streamer/deploy_splashtop_streamer.sh -i "/private/tmp/Streamer/
Splashtop_Streamer_Mac_DEPLOY_INSTALLER_v3.4.4.1.dmg" -d XXXXXX -w 0 -s 0

Note: As Splashtop Streamer version changes, you will need to change the version number for the above command.

Ó	Disk Encryption Not Configured	Files and Processes	
<u>^</u>	Dock Items 0 Dock Items	Search For File By Path Full path to the file	
1	Local Accounts 0 Accounts	Delete file if found	
N.	Management Accounts Not Configured	Search For File By Filename Name of the file, including the file extension. This field is case-sensitive and returns partial matches	
	Directory Bindings 0 Bindings	Update "locate" database Update the "locate" database before searching for the file	
1	EFI Password Not Configured	Search For File Using Spotlight File to search for. This field is not case-sensitive and returns partial matches	_
112	Restart Options Not Configured	Search For Process Name of the process. This field is case-sensitive and returns partial matches	
ç	Maintenance Not Configured	Kill process if found This works with exact matches only	
2	Files and Processes > Configured	Execute Command Command to execute on computers. This command is executed as the "root" user <u>p_streamer.sh</u> -1 "/private/tmp/Streamer/Splashtop_Streamer_Mac_DEPLOY_INSTALLER_v3.4.4.1.dmg" -d 68912363 -w 0) -
	macOS Intune Integration		

15. Click Scope.



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

Targets	
T	
Computers to deploy the policy to	
All Computers	*

17. Click Save.





Section 4: Create a Configuration Profile for Approved Kernel Extensions

1. If necessary, log in to Jamf Pro.

🗖 jamf 🛛 PRO	
USERNAME ex. admin	
PASSWORD	$\langle \rangle$

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

	🛂 jamf 🛛 PRO		<u></u> 4 {
2—	Computers Devices Users	Computers Configuration Profiles	4
	INVENTORY	> Q Filter Pr 1-1of1	+ New D Upload
	Search Inventory Search Valuma Content	NAME LOGS COMPLETED PENDING	FAILED SCOPE
	Search Volume Content Search Volume Content Content Management	Security and Restrictions	
~	Policies	1	
3—	ଞ୍ଚି Configuration Profiles		
	× Restricted Software		

- 5. Configure the following:
 - A. Name: Splashtop Streamer PPPC and Kernel Extensions
 - B. Category: Optional: This guide uses **Security and Restrictions**.

🗖 jamf PRO		<u></u> £ \$ \$	
Computers Devices Users	Computers : Configuration Profiles ← Whitelisting Splashto	p Streamer	
INVENTORY	Options Scope		
Search Inventory Search Volume Content Licensed Software	®, General	General Name Display pame of the profile	
CONTENT MANAGEMENT	Passcode Not configured	Splashtop Streamer PPPC and Kernel Extensions Description Brief explanation of the content or purpose of the profile	A
Configuration Profiles Restricted Software	Network Not configured		
PreStage Imaging Mac App Store Apps	VPN Not configured	Category Category to add the profile to	в
Patch Management	DNS Settings Not configured	Level Level at which to apply the profile	
GROOPS Smart Computer Groups	Content Caching Not configured	Distribution Method Method to use for distributing the profile	
ເດັ່ງ Classes	Certificate Not configured	Install Automatically	
Enrollment Invitations	Certificate Transparency	⊗ ⊟	



- 6. In the middle Column, scroll down to Privacy Preferences Policy Control. Click on Privacy Preferences Policy Control.
- 7. Click Configure

Computers Devices Users	Computers : Configuration Profiles ← Whitelisting Splashtop Streamer	¥¥ Y 25
INVENTORY	Options Scope	
Q Search Inventory	Not configured	
Search Volume Content	Security and Privacy Not configured	
Policies Configuration Profiles Restricted Software	Privacy Preferences Policy Control Not configured	Configure Privacy
Restricted Software PreStage Imaging Mac App Store Apps	AD Certificate Not configured Use this see applications an	ction to define access settings for d services (macOS 10.14 or later, User
Patch Management	Ap Ap Ap	pproved MDM required). Configure
GROUPS	Application & Custom Settings ~ Not configured	
Classes	[▲Ē] Identification Not configured	
Enrollment Invitations Collapse Menu	Ime Machine Not configured	(X) Cancel Save

- 8. Enter the following:
 - A. Identifier: com.splashtop.Splashtop-Streamer
 - B. Code Requirement:
 - com.splashtop.Splashtop-Streamer" and anchor apple generic and certificate 1[fie ld.1.2.840.113635.100.6.2.6] /* exists */ and certificate leaf[field.1.2.840.113635.100.6.1.13] /* exists */ and certificate leaf[subject.OU] = CPQQ3AW49Y
- 9. Click Add.

┛ jamf PRO		L 4 @
Computers Devices Users	Computers : Configuration Profil ← Whitelisting Splash	es top Streamer
	Options Scope	
Search Volume Content	/:/ Mobility Not configured	Privacy Preferences Policy Control ×
	Notifications Not configured	Identifier
Configuration Profiles Restricted Software	Printing Not configured	com.splashtop.Splashtop.Streamer Identifier Type
PreStage Imaging Mac App Store Apps Patch Management	ネ Parental Controls Not configured	Bundle ID
eBooks	Security and Privacy Not configured	com.splashtop.Splashtop.Streamer" and anchor apple generic and certificate [[field.12.840113635.100.6.2.6] /* exists '' and certificate [eaf[field.12.840.113635.100.6.113] /* exists '' and certificate [eaf[subject.OU] = CPQ032W49Y
୍ଦିତ୍ୟ Smart Computer Groups ୍ଦିରୁ Static Computer Groups ୧୦୦୨ Classes	Privacy Preferences Policy Control 1 payload configured	Validate the Static Code Requirement APP or SERVICE ACCESS
	AD Certificate Not configured	+ Add



10. Click on the App or Service menu and select SystemPolicyAllFlles.

APP OR SERVICE	ACCESS		
✓ AddressBook	Allow 🔻	Cancel	Save
Calendar			
Reminders			
Photos			+ Add
Camera			
Microphone			
Accessibility			
PostEvent			
SystemPolicyAllFiles			
SystemPolicySysAdminFiles			
AppleEvents			
FileProviderPresence			
ListenEvent			
MediaLibrary			
ScreenCapture			
SpeechRecognition			
SystemPolicyDesktopFolder			
SystemPolicyDocumentsFolder			
SystemPolicyDownloadsFolder			

11. Click Save.

SystemPolicyAllFiles Allow Cancel Save	APP OR SERVICE		ACCESS		
	SystemPolicyAllFiles	•	Allow 💌	Cancel	Save

12. Click Add.

APP OR SERVICE	ACCESS		
SystemPolicyAllFiles 🔹	Allow	 Edit	Delete

13. Click on the App or Service menu and select SystemPolicyAllFlles.

Reminders Photos Camera	Allow	Edit	Delete
Microphone			
✓ Accessibility	Allow 🔻	Cancel	Save
PostEvent			
SystemPolicySysAdminFiles			± Add
FileProviderProcesso			1 Add
ListenEvent			

14. Click Save.

SystemPolicyAllFiles	*	Allow	*	Edit	Delet
Accessibility	•	Allow 🔻		Cancel	Sav

15. Click Save.





16. In the middle Column, scroll down to Approved Kernel Extensions. Click on Approved Kernel Extensions

🗖 jamf 🛛 PRO		L 4 @
Computers Devices Users	Computers : Configuration Profiles ← New macOS Configu	ration Profile
	Options Scope	
Search Inventory Search Volume Content Licensed Software	Proxies Not configured	General Name Disclar again of the coeffic
CONTENT MANAGEMENT	App-To-Per-App VPN Mapping Not configured	Whitelist Splashtop Kernel Extensions Description Brief explanation of the content or purpose of the profile
Configuration Profiles Restricted Software PreStage Imaging	FileVault Recovery Key	
Mac App Store Apps Patch Management eBooks	Xsan Not configured	Category Category to add the profile to Security and Restrictions
GROUPS	Smart Card Not configured	Computer Level V
Static Computer Groups Classes	System Migration Not configured	Install Automatically
	Approved Kernel Extensions Not configured	⊗ 🗒
(←) Collapse Menu	Associated Domains Not configured	Cancel Save

17. Click Configure





18. Enter the Following:

- A. Display Name: Splashtop Streamer
- B. Team ID: CPQQ3AW49Y

ଅ jamf 🛛 PRO		<u>L</u> 4 @
omputers Devices Users	Computers : Configuration Profi ← New macOS Config	les guration Profile
	Options Scope	
Q Search Inventory	Not configured	
Search Volume Content		Approved Kernel Extensions ×
💭 Licensed Software	Xsan Not configured	
		Allow users to approve kernel extensions
Policies	Smart Card	Allow standard users to approve legacy kernel extensions (macOS 11 or later)
Configuration Profiles	Not configured	Annual Trans IDs and Kanad Estansians
Restricted Software	Custom Minutian	Approved learn IDs and kernel Extensions
ProStago Imaging	Not configured	Approved Team ID +
		Display Name
Mac App Store Apps	Approved Kernel Extensions	Splashtop Streamer
Patch Management	1 payload configured	
eBooks	 Associated Domains 	Team ID
	Not configured	CPQQ3AW49Y
Grant Computer Groups		Approved Kernel Extensions (Optional) Approve the following bundle IDs only
Static Computer Groups	Extensions	
	Not conligued	Ne Kernel Extension Bundles
	Single Sign-On Extensions	No verter Extension Duridies
Enrollment Invitations	Not configured	+ Add
Collanso Monu		⊗ ⊟
Conapse menu	System Extensions Not configured	Cancel Save

19. Click Scope.



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

Target Computers Computers to deploy the policy to		Targets	
Computers to deploy the policy to			
	get Computers		

21. Click Save.





Section 5: Confirm Splashtop Streamer is installed on the enrolled Mac

1. On the enrolled Mac, confirm Splashtop icon is in the menu bar and Splashtop Streamer has launched.



2. On Splashtop Streamer window, click on Info.

Status	Computer Name	
Settings	Connection Status No active session	
Security	Computer Deployed by HCS Team	
Advanced	ccohen@hcsonline.com	
About		



3. Confirm Accessibility and Full Disk Access has been allowed (\checkmark).

Note: Jamf cannot explicitly allow Screen Recording and Microphone. Those have to be allowed by the end user.

On Screen Recording, click Allow.

	Soloshtop 'streamer	
0	Se	ecurity & Privacy Settings
Please g	rant Splashtop Streamer all the red	quired permissions for the complete remote access functionality
*** **	Bacely Measy Comments	Accessibility Splashtop Streamer requires Accessibility to control this computer.
Micropi	Tone	Screen Recording Splashtop Streamer requires Screen Recording to capture the computer screen.
	Splashtop Streame	Full Disk Access Splashtop Streamer requires Full Disk Access for features such as file transfer and drag-and-drop.
	its power further stranges	Microphone Splashtop Streamer uses a microphone driver to transmit system sound. Environmental sound, including Allow your voice, will NOT be sent over the remote connecti

4. Security & Privacy preference pane opens. On the bottom-left corner, click the lock.

• • • < > iiii Securit	y & Privacy Q Search
General	FileVault Firewall Privacy
Location Services	Allow the apps below to record the contents of your screen, even while using other apps.
Contacts	
17 Calendars	AnyDesk
Reminders	Splashtop Streamer
🌸 Photos	
Camera	
U Microphone	++-
Speech Recognition	
Accessibility	
Click the lock to make changes.	Advanced ?



5. Enter the admin credentials.

ale O	System Prefe Privacy prefe	rences is trying to unlock Security & rences.
en 🏠	Enter your pas	sword to allow this.
no	User Name:	Goon Admin
an	Password:	••••••
ic		Cancel Unlock

6. Select the checkbox for Splashtop Streamer.

Ger	neral FileVault Firewall Privacy	
Location Services	Allow the apps below to record the contents of your screen, even while using other apps.	
Contacts		
17 Calendars	🗌 💉 AnyDesk	
Reminders	Splashtop Streamer	
🌸 Photos		
Camera		
Microphone	+1-	
I Speech Recognition		
Accessibility		

7. Click Later.





 Confirm Screen Recording has been allowed (✓). On Microphone, click Allow.

splashtop streamer	•
Security	y & Privacy Settings
Please grant Splashtop Streamer all the required	d permissions for the complete remote access functionality
R R C. D Book New Comm	Accessibility Splashtop Streamer requires Accessibility to control this computer.
Internation Marcher and Static is a subsequence international Microphone Microphone	Screen Recording Splashtop Streamer requires Screen Recording to capture the computer screen.
Splashtop Streamer	Full Disk Access Splashtop Streamer requires Full Disk Access for features such as file transfer and drag-and-drop.
	Microphone Splashtop Streamer uses a microphone driver to transmit system sound. Environmental sound, includi g Allow your voice, will NOT be sent over the remote connect!
Soloshtoo What's macOS permissions?	

7. Click OK.



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.

For more white papers, visit https://hcsonline.com/support/white-papers.

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