

# Create a Jamf Smart Group for the Current Version of macOS



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#### Preface

In Jamf, Smart Computer Groups are a good way of filtering your devices with specific attributes. Combine this with Patch managment and you will be able to view devices that are in compliance with your company policy. For example, you may want to find out which of your Mac computers have the current macOS or which Mac computers may have the different versions of the same macOS. This guide will show you how to create a Smart Computer Group based off of Patch management.

This guide used the following:

- Mac Computer running macOS Sonoma (various versions)
- Jamf Pro Server version 11.2



## Section 1: Create a Patch Policy

1. Log in to your Jamf Pro Server.

Pro
Username
[
Required
Password
Ø
Required
Log in

- 2. Click Computers.
- 3. Under Content Management, click Patch Management.
- 4. Click New.





5. In the search field, enter "Apple macOS."

6. In this example we will choose "Apple macOS Sonoma". Click (+) for Apple macOS Sonoma.

2	Pro				¢ å
::	Computers	Computers : Patch Management	tles		
G	Licensed Software				
8	Content Management	∽ Jamf			
٢	Policies Configuration Profiles	NAME	PUBLISHER	LATEST VERSION	LAST UPDATED
	Software Updates	+ Apple macOS	Apple (Combined Definition)	14.2.1 (23C71)	12/19/2023 at 02:57 PM
	Restricted Software	+ Apple macOS Big Sur	Apple	11.7.10 (20G1427)	09/12/2023 at 04:23 AM
	Mac Apps	+ Apple macOS Catalina	Apple	10.15.7 (19H2026)	07/20/2022 at 02:48 PM
	eBooks	+ Apple macOS High Sierra	Apple	10.13.6 (17G14042)	02/25/2021 at 03:35 PM
	Groups	+ Apple macOS Mojave	Apple	10.14.6 (18G9323)	07/21/2021 at 05:17 PM
	Smart Computer Groups	+ Apple macOS Monterey	Apple	12.7.2 (21G1974)	12/11/2023 at 02:16 PM
	Static Computer	+ Apple macOS Sierra	Apple	10.12.6 (16G2136)	02/25/2021 at 03:35 PM
	Groups	+ Apple macOS Sonoma	Apple	14.2.1 (23C71)	12/19/2023 at 02:57 PM

- 7. Click Edit to add a Category and Notifications. In this example, we selected macOS Updates and selected the checkboxes for Jamf Pro Notification and Email.
- 8. Click Save.

2	Pro		Q	8	
	Computers	computers : Patch Management ← Apple macOS Sonoma			
6 8 0	Inventory Search Inventory Search Volume Content Licensed Software Content Management Policies	Patch Report       Software Title Settings       Definition       Patch Policies         Display name for the software title       Display name for the software title       Display name for the software title         Apple macOS Sonoma       Required       Publisher Name of the software publisher         Apple       Category       Category to add the software title to			
	Configuration Profiles Software Updates Restricted Software Mac Apps Patch Management eBooks	macOS Updates       Notifications Notifications to receive when an updated software title is available       Image: Second		9	
	Groups Smart Computer	( Ca	ncel S	ave 🕄	<b>├-</b> ≀



## Section 2: Create Smart Computer Groups

- 1. Click Smart Computer Group
- 2. Click New.

	Pro			\$ &
88	Computers	Computers Smart Computer Groups		
	Restricted Software			+ New
60	Mac Apps			
8	Patch Management	NAME	∧ ↓ COUNT	di.
0	eBooks	All Managed Clients	2	
	Groups	All Managed Servers	0	
	Smart Computer Groups	Apple Silicon Macs	1	

- 3. In the Display Name enter a name of your choosing. For this guide we are using "macOS Sonoma Current Version."
- 4. Click Criteria.

2	Pro	Q 8	
::		computers : Smart Computer Groups ← New Smart Computer Group	
1] %	Configuration Profiles Software Updates Restricted Software	Computer Group Criteria Display Name Display name for the smart computer group	-
8	Mac Apps Patch Management eBooks	macOS Sonoma - Current Version     Send email notification on membership change     When group membership changes, send an email notification to Jamf Pro users with email notifications enabled. An SMTP server must be set up in Jamf Pro for this to work	<del> </del> :

5. Click Add.

	Pro					\$ \$	
:::	Computers	computers : Smart Comp ← New Sma	uter Groups Int Compute	r Group			
G	Policies Configuration Profiles	Computer Group Crit	eria				
8	Software Updates	AND/OR	CRITERIA	OPERATOR	VALUE		
٢	Restricted Software						-
	Mac Apps					(+ bba +	)
	Patch Management						
	eBooks						



6. Click Show Advanced Criteria.

2	Pro		Q 8
88		computers : Smart Computer Groups ← New Smart Computer Group	
Co	Configuration Profiles	Computer Group Criteria	
8	Software Updates	NEW CRITERIA	Show Advanced Criteria
ø	Mac Apps Patch Management eBooks	Apple Silicon	Choose
		Application Title	Choose
		Building	Choose
		Computer Group	Choose
	Groups	Computer Name	Choose
	Smart Computer Groups	Department	Choose
	Static Computer	Font Title	Choose
	Groups	Last Check-in	Choose
	Classes	Last Inventory Update	Choose
	Enrollment	Licensed Software	Choose
	Enrollment Invitations	Model	Choose
	PreStage Enrollments	Operating System	Cancel Che Save

7. Scroll down and click Choose for Patch Reporting Software Title.

2	Pro		Q 8
88	Computers	computers: Smart Computer Groups ← New Smart Computer Group	
G	Policies Configuration Profiles	Computer Group Criteria	
8	Software Updates	Password Type	Choose
0	Restricted Software	Patch Reporting Software Title	Choose
	Mac Apps	Phone Number	Choose
	Patch Management	Platform	Choose
	eBooks	Plug-in Title	Choose
	Groups	Plug-in Version	Choose
	Smart Computer	PO Date	Choose
	Groups	PO Number	Choose
	Static Computer Groups	Position	Choose
	Classes	Processor Speed MHz	Choose
	F	Processor Type	Choose
	Enrollment	Profile Identifier	Choose
	Enrollment Invitations	Profile Name	Choo Choo
l	PreStage Enrollments	Purchase Price	Choose



8. Click Choose for Patch Reporting: Apple macOS Sonoma.

<b>- 1</b>	Pro	Q 8
8		computers : Smart Computer Groups ← New Smart Computer Group
[0 °°	Configuration Profiles	Computer Group Criteria
\$	Restricted Software	NEW CRITERIA Patch Reporting: Apple macOS Sonoma Choose
	Mac Apps Patch Management eBooks	Cancel

9. Click the Value listing (•••) to the right of Value.

2	Pro					<del>\$</del> \$
::		computers : Smart Computer G ← New Smart	roups Compute	er Group		
G	Configuration Profiles	Computer Group Criteria				
ĉ	Software Updates	AND/OR	CRITERIA	OPERATOR	VALUE	
۲	Restricted Software Mac Apps Patch Management eBooks Oroups Smart Computer Groups Static Computer Groups Classes	•	Patch Reporting: Apple macOS Sonoma	lis	•	(+ Add
	Enrollment					
	Enrollment Invitations					Cancel Save
	PreStage Enrollments					Cancel Save



10. Click Choose for Latest Version.

	Pro		Q 8
8	Computers	Computers : Smart Computer Groups	
G	Policies Configuration Profiles	Computer Group Criteria	
ී	Software Updates	СНОГСЕ	
٢	Restricted Software Mac Apps Patch Management eBooks	Latest Version	Choose
		14.2.1 (23071)	Choose
		14.2 (23692)	Choose
	Groups	14.1.2 (23B2091)	Choose
	Smart Computer Groups Static Computer	14.1.1 (23B81)	Choose
		14.1.1 (23B2082)	Choose
	Groups	14.1 (23B2077)	Choose
	Classes	14.1 (23B2073)	Choose
	Enrollment	14.1 (23B74)	Choose
	Enrollment Invitations	14.0 (23A344)	Choose Choose
	PreStage Enrollments	Unknown version	Cancel Cho Save

11. Click Save. Optionally, you may click Show in Jamf Pro Dashboard.

	Pro					Q 8
88		computers : Smart Computer G ← New Smart	roups Compute	er Group		
G	Configuration Profiles	Computer Group Criteria				
88	Software Updates	AND/OR	CRITERIA	OPERATOR	VALUE	
٢	Restricted Software Mac Apps Patch Management	•	Patch Reporting: Apple macOS Sonoma	lis	▼ Latest Version	
	Groups					+ Add
	Smart Computer Groups					
	Static Computer Groups					
	Classes					
	Enrollment					
	Enrollment Invitations					⊗ 🖪
	PreStage Enrollments					Cancel Save



12. Click View to see your results.

2	Pro					\$ 8
::	Computers	computers : Smart Computer ← macOS Sol	Groups 10ma - Cu	urrent Versio	on	
G	Configuration Profiles Software Updates	Computer Group Criteria	Reports		Show in	Jamf Pro Dashboard
8	Restricted Software	AND/OR	CRITERIA	OPERATOR	VALUE	
٥	Mac Apps Patch Management eBooks	v	Patch Reporting: Apple macOS Sonoma	is	▼ Latest Version	•
	Groups					
	Smart Computer Groups					
	Static Computer Groups					
	Classes					
	Enrollment					
	Enrollment Invitations					
	PreStage Enrollments				ල ඕ ট් History View Clon	e Delete Edit

13. Confirm your results. In this example, there is one Mac with the current version of macOS Sonoma.

Pro			Q 2
Dashboard	>	<sup>Computers</sup> 1 Computer in "macOS Sonoma - Current Version"	
Devices	>	Q Fiber Results 1-1of 1	+ New
& Users	>	NAME	^ +
tey settings		rgoon's Mac	



- 14. We will create another Smart Computer Group to view the Macs that are not on the current version of Sonoma. Click Computers.
- 15. Click Smart Computer Groups.
- 16. Click macOS Sonoma Current Version.

		Pro		¢	8
14 —	8	Computers	Computers Smart Computer Group	s	
	G	Restricted Software Mac Apps		+	New
	8	Patch Management	NAME	∧ ↓ COUNT	ψ
	¢	eBooks	All Managed Clients	2	
		Groups	All Managed Servers	٥	
15 —		Smart Computer Groups	Apple Silicon Macs	1	
		Static Computer Groups	macOS Sonoma - Current Version	1	16
		Classes	Notebooks	1	
		Enrollment	SF fonts	٥	
		Enrollment Invitations			
		PreStage Enrollments			

17. Click Clone.

2	Pro								Q	å
88		computers : Smart ← macOS	Computer G	oma - Cu	urrent Vers	sion				
G	Software Updates	Computer Group	Criteria	Reports				Show in Jan	nf Pro Dashb	ooard
\$ \$	Restricted Software Mac Apps	AND/OR		CRITERIA	OPERATOR		VALUE			
	Patch Management eBooks		Ŧ	Reporting: Apple macOS Sonoma	is	¥				
	Groups Smart Computer									
	Groups									
	Static Computer Groups Classes									
	Enrollment									
	Enrollment Invitations PreStage Enrollments						ල බ History View	() Clone	Delete	ළි Edit



- 18. Change the display name from "macOS Sonoma Current Version copy" to "macOS Sonoma Out of Date".
- 19. Click Criteria.



- 20. Change the Operator from "is" to "less than".
- 21. Click Save.





#### 22. Click View.

2	Pro						Q 8
88	Computers	computers : Smart ← macO	Computer G	oma - Ou	It of Date		
G	Software Updates	Computer Group	Criteria	Reports		Show in Ja	amf Pro Dashboard
8	Restricted Software	AND/OR		CRITERIA	OPERATOR	VALUE	
٥	Mac Apps Patch Management eBooks		•	Patch Reporting: Apple macOS Sonoma	less than	▼ Latest Version	
	Groups Smart Computer Groups						
	Static Computer Groups Classes						
	Enrollment Enrollment Invitations PreStage Enrollments					ⓒ 👌 🕼 History View Clone	前 🖉 Delete Edit

23. Confirm your results. In this example, we found one Mac that does not have the current version of macOS Sonoma.

Pro		φ &
🖁 Dashboard		Computers 1 Computer in "macOS Sonoma - Out of Date"
Computers	>	
Devices	>	Q Filter Results + New
🖧 Users	>	NAME
Settings		NAME John's MacBook Pro
		Image: Show:     Image: Show:     Image: Show:     Export     Action



## Section 3: Create a Smart Computer Group for a Policy or Configuration Profile

Since this particular criteria was used for reporting, you will get the following error while scoped for a policy or configuration profile:

Options Scope Self Service	User Interaction
[a] General	
Packages 0 Packages	Policy scope cannot be based on a smart computer group that uses the latest version criteria.

If you would like this criteria to be used as a scope for a policy or configuration profile, follow these steps.

- 1. Click Computers.
- 2. Click Smart Computer Group
- 3. Click New.

	Pro			Q 8
88	Computers	Computers Smart Computer Groups		
	Restricted Software			+ New
Lo	Mac Apps			
8	Patch Management	NAME	∧ ⊕ COUNT	ф.
ø	eBooks	All Managed Clients	2	
	Groups	All Managed Servers	0	
	Smart Computer Groups	Apple Silicon Macs	1	

- 4. In the Display Name enter a name of your choosing. For this guide we are using "macOS Sonoma Out of Date Policy."
- 5. Click Criteria.

	Pro	Q &	
:: _	Computers	computers : Smart Computer Groups ← New Smart Computer Group	
[] 8	Restricted Software Mac Apps Patch Management	Computer Group Criteria	• 5
٢	eBooks Groups Smart Computer Groups	Display name for the smart computer group  macOS Sonoma - Out Of Date Policy  Send email notification on membership change When group membership changes, send an email notification to Jamf Pro users with email notifications enabled. An SMTP server must be set up in Jamf Pro for this to work	• 4
	Static Computer		



#### 6. Click Add.

2	Pro					÷ 8
8	Computers	computers : Smart Cor ← New Sm	nputer Groups art Compute	r Group		
G	Policies Configuration Profiles Computer Group Criteria					
8	Software Updates	AND/OR	CRITERIA	OPERATOR	VALUE	
۲	Restricted Software Mac Apps					+ Add
	Patch Management					

7. Click Show Advanced Criteria.

	Pro		¢ &
88	Computers	computers : Smart Computer Groups ← New Smart Computer Group	
G	Policies Configuration Profiles	Computer Group Criteria	
8	Software Updates	NEW CRITERIA	Show Advanced Criteria
Ø	Mac Apps	Apple Silicon	Choose
	Patch Management	Application Title	Choose
	eBooks	Building	Choose
		Computer Group	Choose
	Groups	Computer Name	Choose

8. Scroll down and click Choose for Computer Group.

2	Pro		Q &	
::	Computers	computers : Smart Computer Groups ← New Smart Computer Group		
G	Restricted Software	Computer Group Criteria		
<u>o</u> .	Mac Apps	Certificates Expiring		
0	Patch Management	Computer Azure Active Directory ID	Choose	
٢	eBooks	Computer Group	Choose	
	Groups	Computer Name	Choose	
	Smart Computer Groups	Conditional Access Inventory State	Choose	
		Content Caching - Activated	Choose	
	Static Computer Groups	Content Caching - Active	Choose	



9. Click the Value listing (•••) to the right of Value.

2	Pro					Q 8			
	Computers	Computers : Smart Computer Groups Computer Group Computer Group Criteria							
	Restricted Software								
8	Patch Management	AND/OR	CRITERIA	OPERATOR	VALUE				
¢	eBooks	•	Computer Group	member of •					
	Groups								
	Smart Computer Groups					+ Add			
	Static Computer Groups								
	Classes								
	Enrollment								
	Enrollment Invitations					© 🛱			
	PreStage Enrollments					Cancel Save			

10. Click Choose for "macOS Sonoma - Out of Date."

2	Pro		Q &
	Computers	computers : Smart Computer Groups ← New Smart Computer Group	
G	Restricted Software Mac Apps	Computer Group Criteria	
8	Patch Management	CHOICE	
٢	eBooks Groups Smart Computer Groups	All Managed Clients	Choose
		All Managed Servers	Choose
		Apple Silicon Macs	Choose
		Notebooks	Choose
	Static Computer Groups	PreStage enrollment - Mac PreStage	Choose
	Classes	SF fonts	Choose
		macOS Sonoma - Current Version	Choose
	Enrollment	macOS Sonoma - Out of Date	Choose
	Enrollment Invitations		© 🛱
	PreStage Enrollments		Cancel Ca Save
	PreStage Enrollments	1	Cancel CarSave



11. Click Save.

2	Pro					Q S
::	Computers	computers : Smart Computer ( ← New Smart	Groups Compute	er Group		
G	Restricted Software Mac Apps	Computer Group Criteria				
80	Patch Management	AND/OR	CRITERIA	OPERATOR	VALUE	
٢	eBooks	•	Computer Group	member of •	macOS Sonoma - Out of Date	
	Groups					
	Smart Computer Groups					+ Add
	Static Computer Groups					
	Classes					
	Enrollment					
	Enrollment Invitations					© 🛱
	PreStage Enrollments	I				Cancel Save

12. Click View to view your results.

2	Pro						Q.	8
88	Computers	computers : Smart ← macOS	Computer G	oma - Ou	ut Of Date Po	olicy		
G	Restricted Software	Computer Group	Criteria	Reports		Show in Jamf Pr	o Dashboard	I
8	Patch Management	AND/OR		CRITERIA	OPERATOR	VALUE		
٥	eBooks		*	Computer Group	member of 🔹			•
	Groups							
	Smart Computer Groups							
	Static Computer Groups							
	Classes							
	Enrollment							
	Enrollment Invitations							
	PreStage Enrollments					C a D History View Clone D	Delete Ed	8 Sit



13. Confirm your results. In this example, we found two Mac that does have the latest version of macOS. You may use this Smart Computer Group in a policy or configuration profile.

Pro Pro		 ۵ گ	
Dashboard	Computers 2 Computers in "ma	acOS Sonoma - Out Of Date Policy"	
L Computers			
Devices	Q Filter Results	+ New	)
🖧 Users	NAME	~ •	
Settings	John's MacBook Pro		
	MacBook Air		
	<ul> <li>◀ 1 ▼ → Show: 100</li> </ul>	Export Action	