



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 management 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.

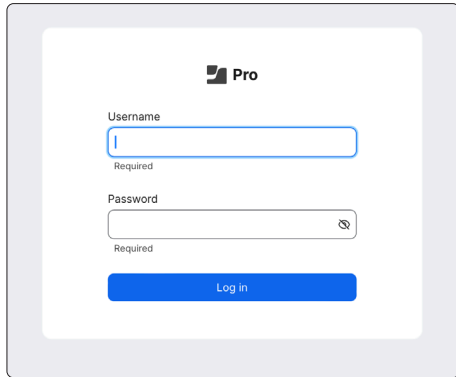
This guide used the following:

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

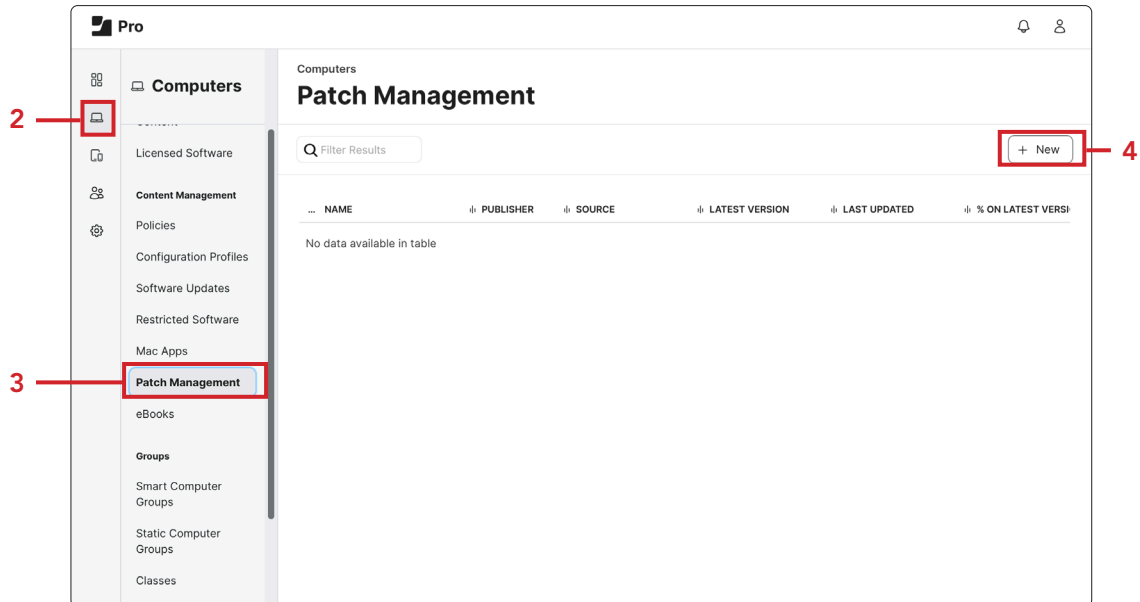


## Section 1: Create a Patch Policy

1. Log in to your Jamf Pro Server.



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.

	NAME	PUBLISHER	LATEST VERSION	LAST UPDATED
(+)	Apple macOS	Apple (Combined Definition)	14.2.1 (23C71)	12/19/2023 at 02:57 PM
(+)	Apple macOS Big Sur	Apple	11.7.10 (20G1427)	09/12/2023 at 04:23 AM
(+)	Apple macOS Catalina	Apple	10.15.7 (19H2026)	07/20/2022 at 02:48 PM
(+)	Apple macOS High Sierra	Apple	10.13.6 (17G14042)	02/25/2021 at 03:35 PM
(+)	Apple macOS Mojave	Apple	10.14.6 (18G9323)	07/21/2021 at 05:17 PM
(+)	Apple macOS Monterey	Apple	12.7.2 (21G1974)	12/11/2023 at 02:16 PM
(+)	Apple macOS Sierra	Apple	10.12.6 (16G2136)	02/25/2021 at 03:35 PM
(+)	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.

Display Name: Apple macOS Sonoma

Publisher: Apple

Category: macOS Updates

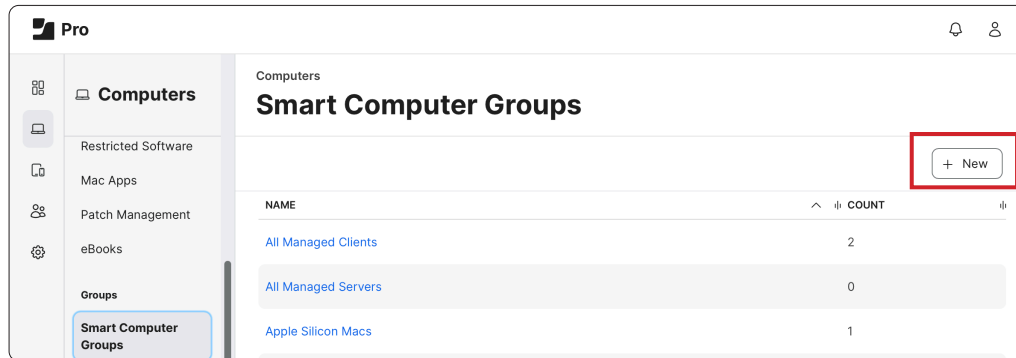
Notifications:  Jamf Pro Notification  Email

Buttons: Cancel, Save

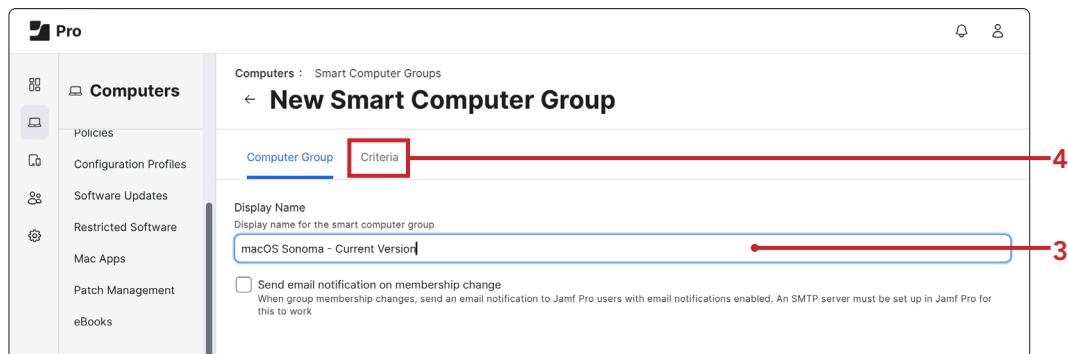


## Section 2: Create Smart Computer Groups

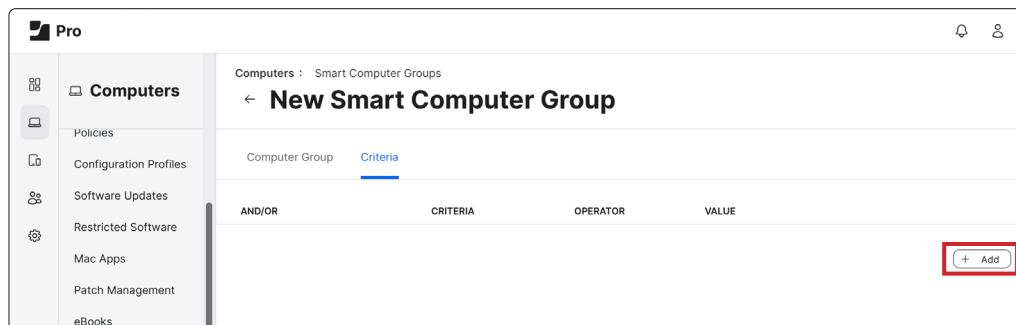
1. Click Smart Computer Group
2. Click New.



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

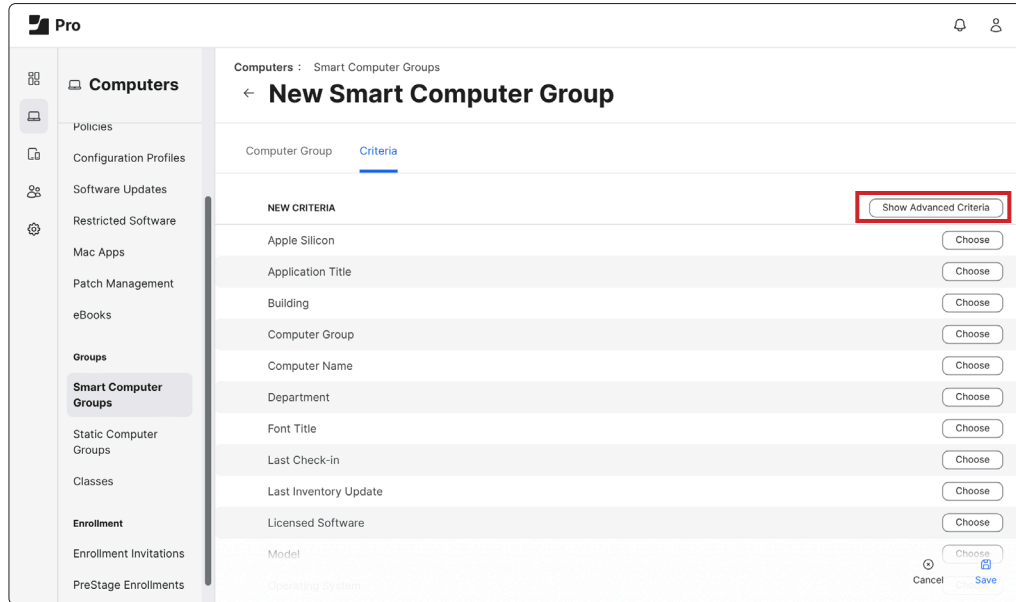


5. Click Add.

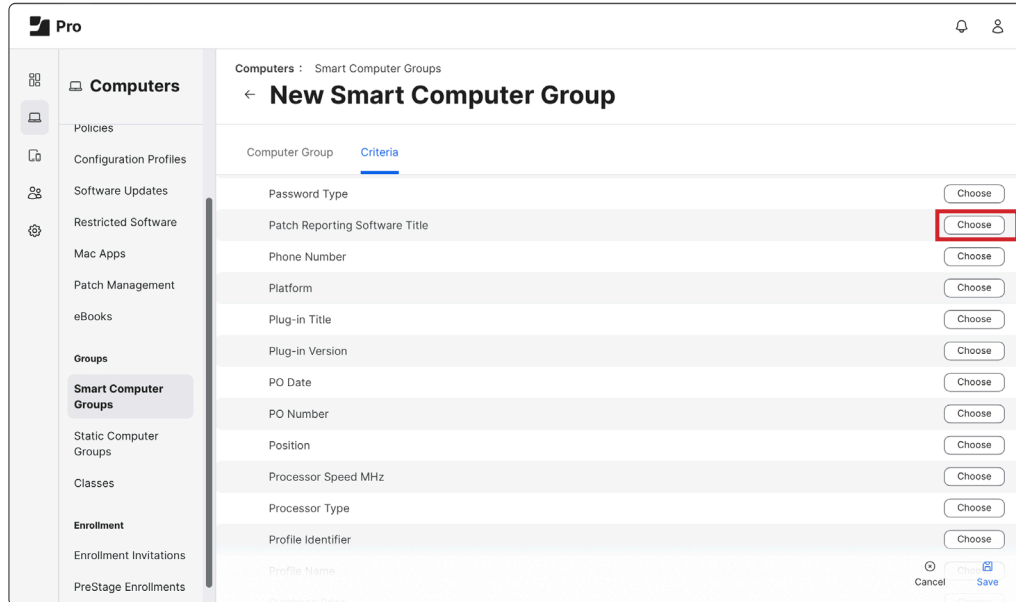




6. Click Show Advanced Criteria.

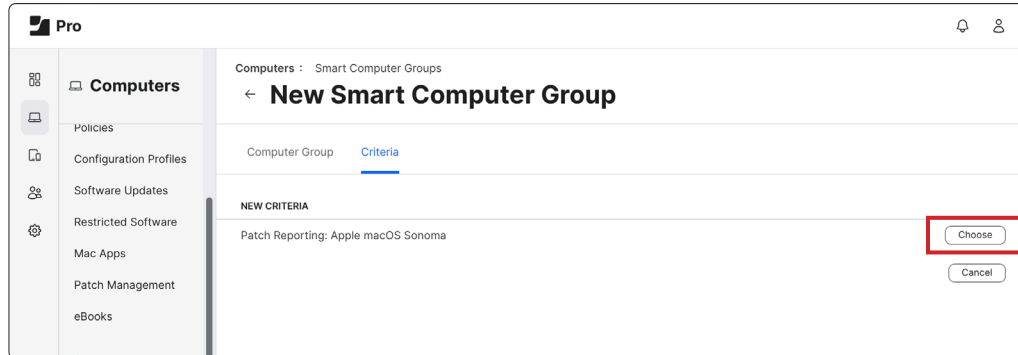


7. Scroll down and click Choose for Patch Reporting Software Title.

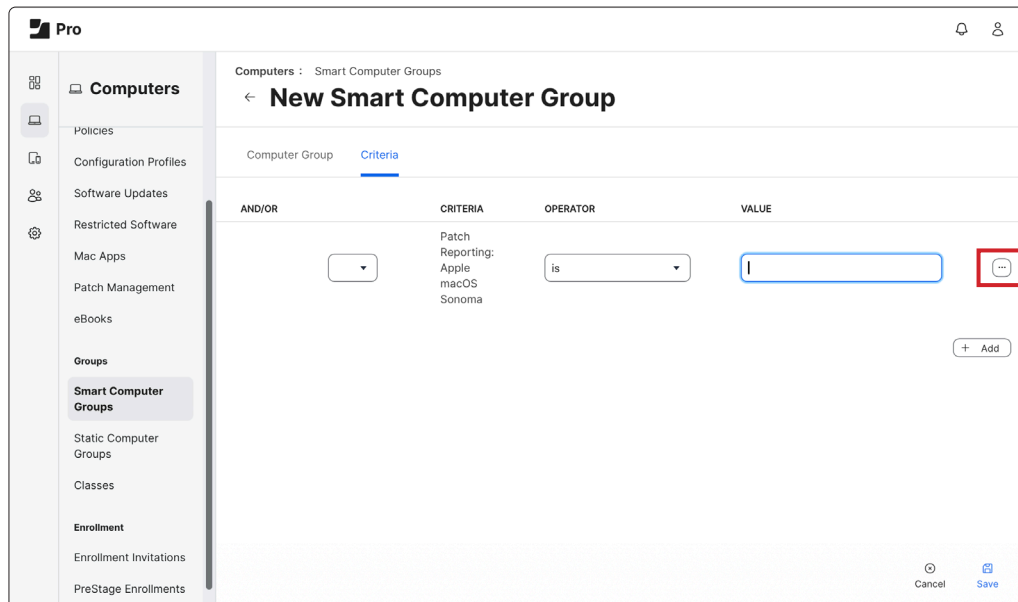




8. Click Choose for Patch Reporting: Apple macOS Sonoma.



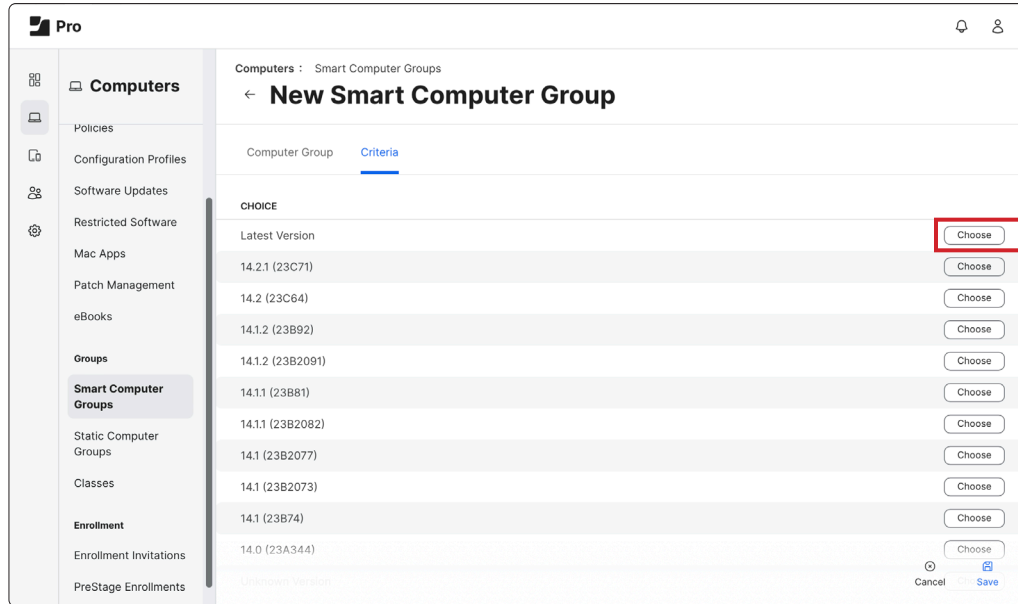
9. Click the Value listing (⋮) to the right of Value.



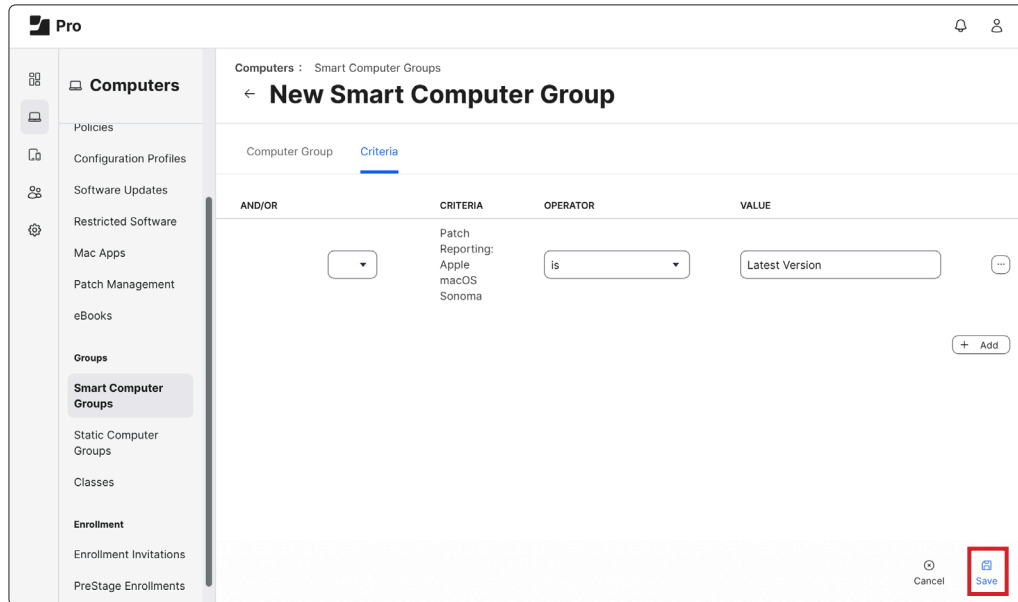




10. Click Choose for Latest Version.

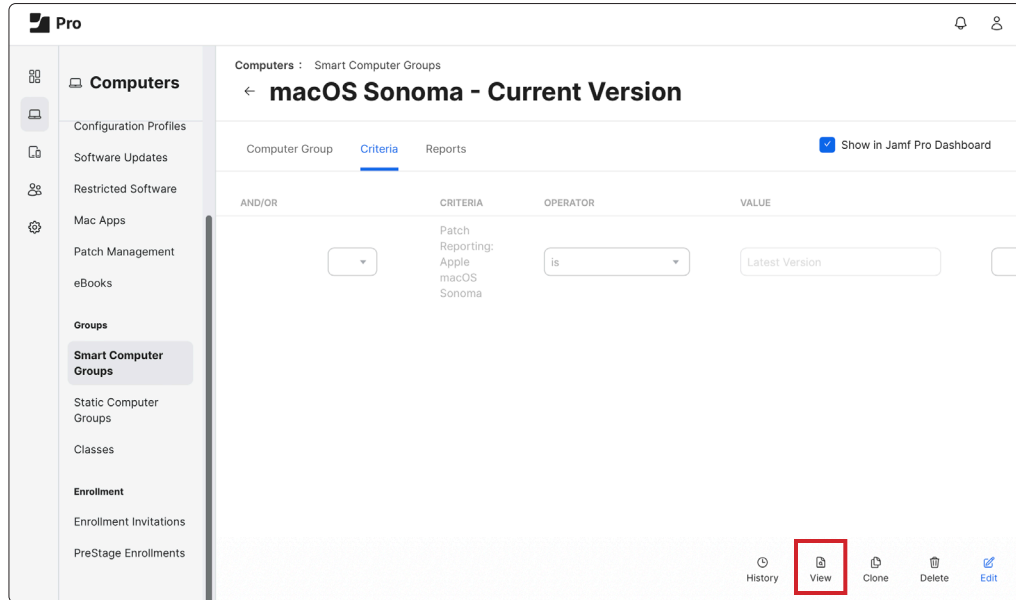


11. Click Save. Optionally, you may click Show in Jamf Pro Dashboard.

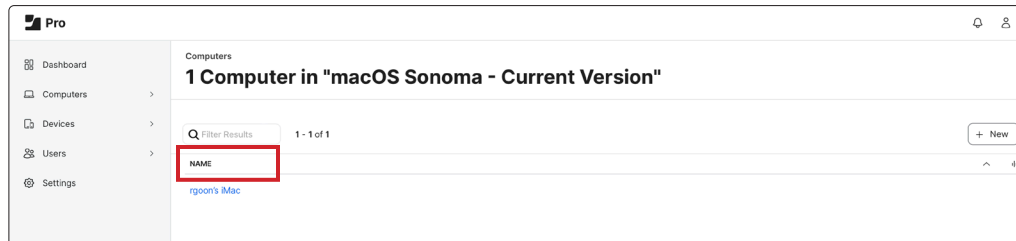




12. Click View to see your results.



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



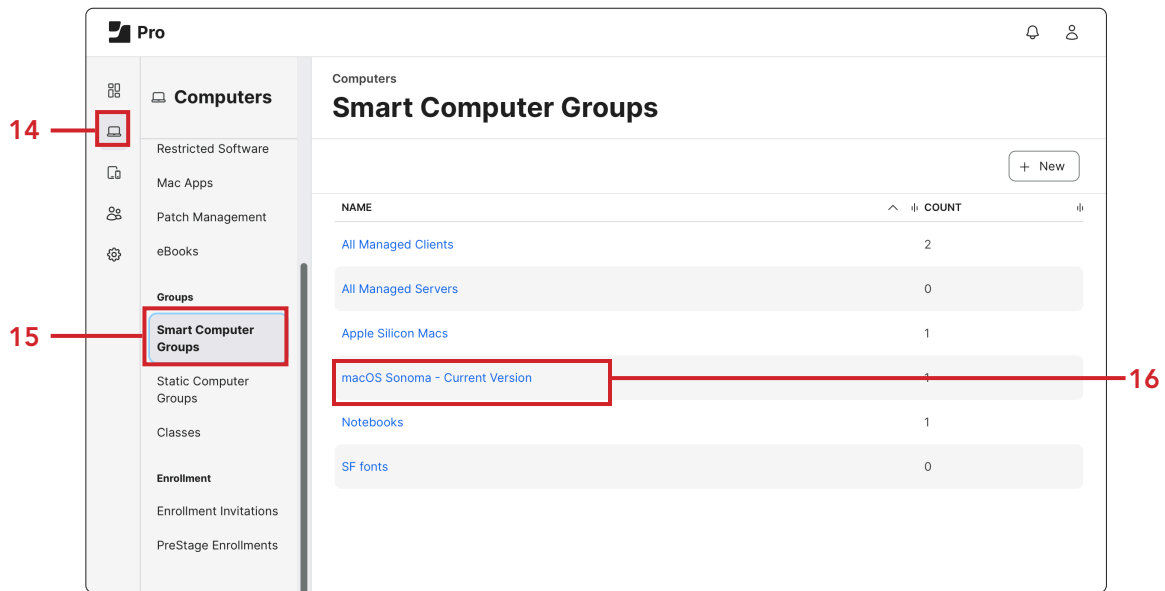


# Create a Jamf Smart Group for the Current Version of macOS

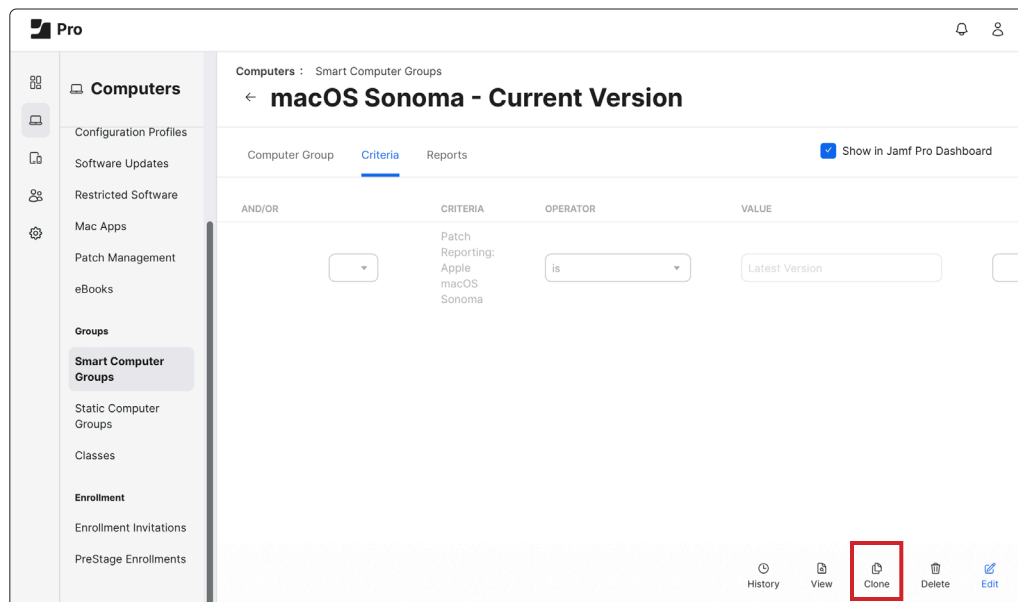
14. We will create another Smart Computer Group to view the Macs that are not on the current version of Sonoma. Click Computers.

15. Click Smart Computer Groups.

16. Click macOS Sonoma - Current Version.



17. Click Clone.

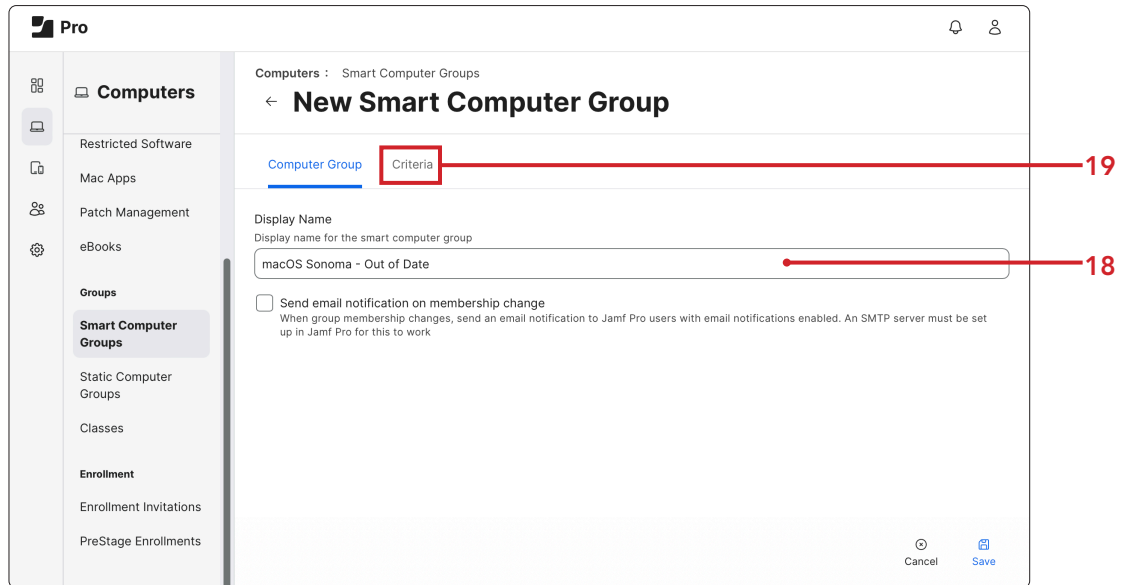




# Create a Jamf Smart Group for the Current Version of macOS

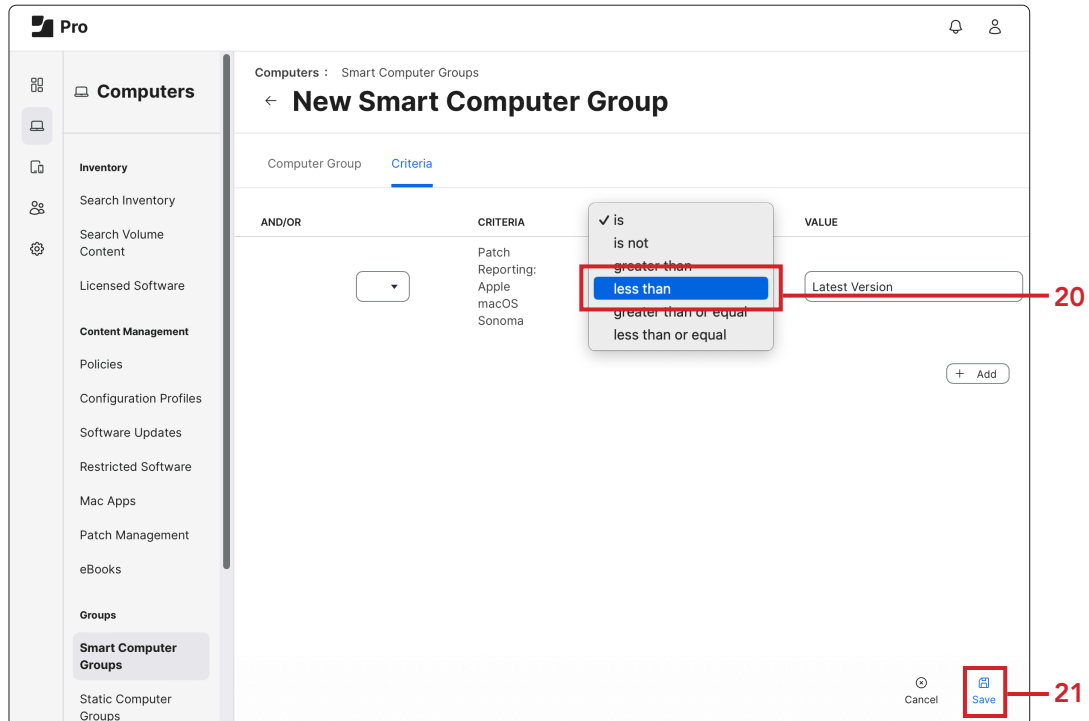
18. Change the display name from "macOS Sonoma - Current Version copy" to "macOS Sonoma - Out of Date".

19. Click Criteria.



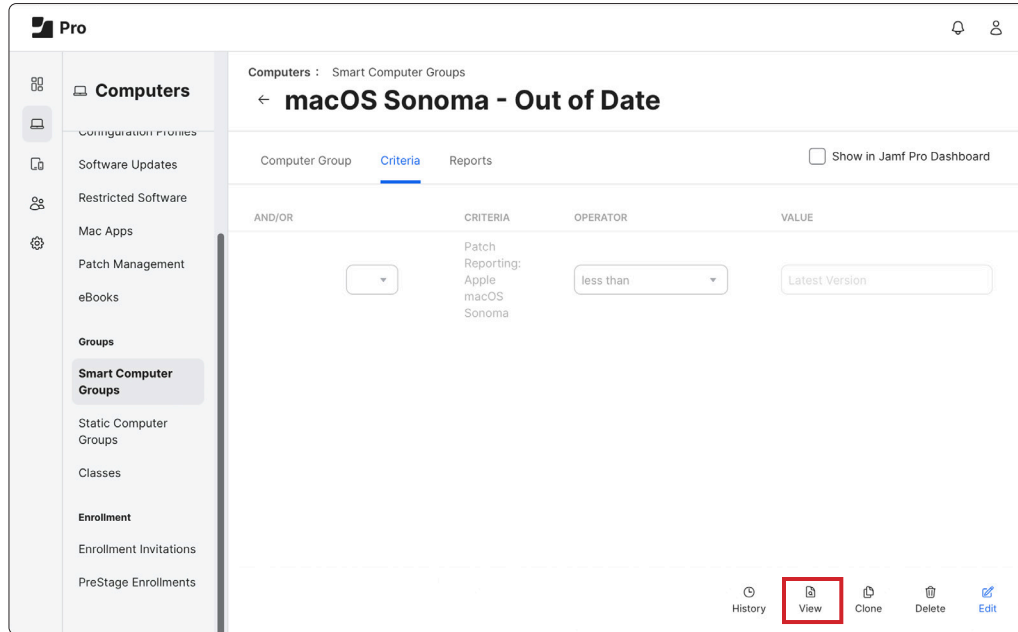
20. Change the Operator from "is" to "less than".

21. Click Save.

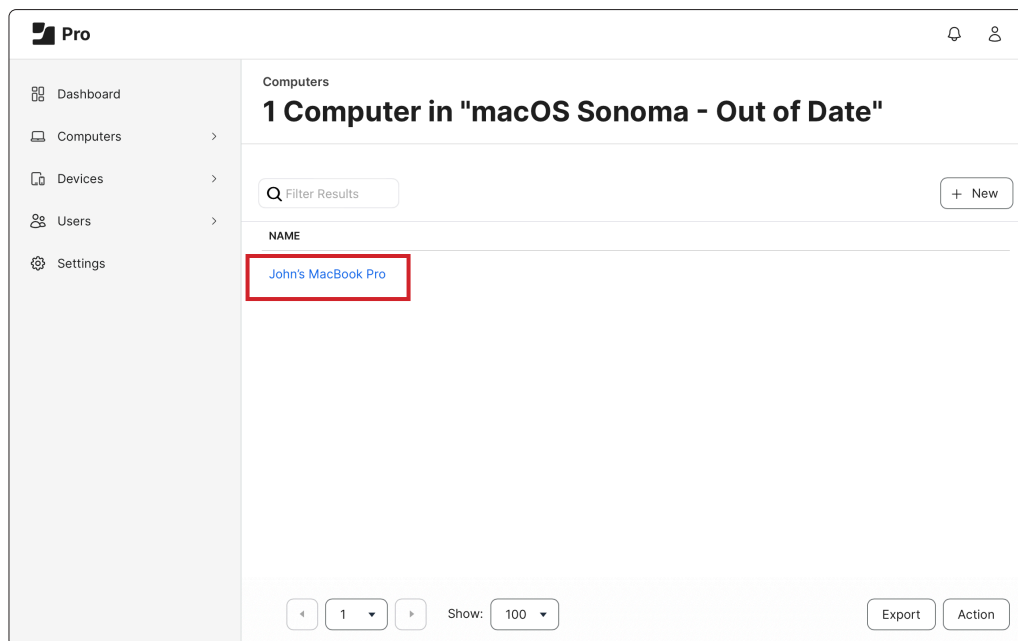




22. Click View.



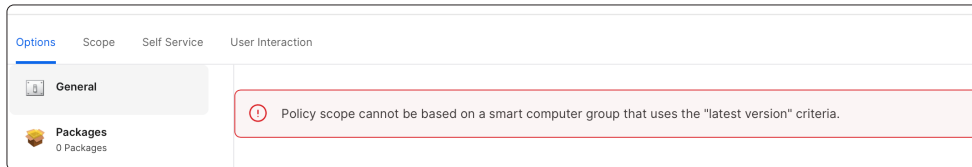
23. Confirm your results. In this example, we found one Mac that does not have the current version of macOS Sonoma.





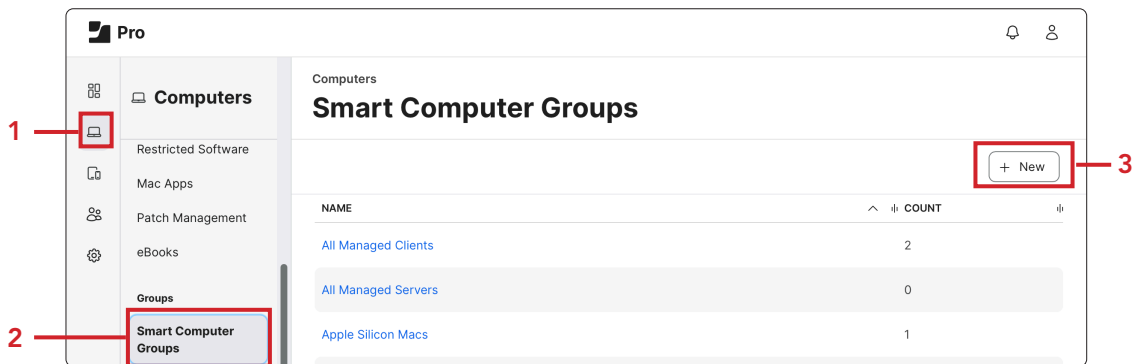
### Section 3: Create a Smart Computer Group for a Policy or Configuration Profile

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



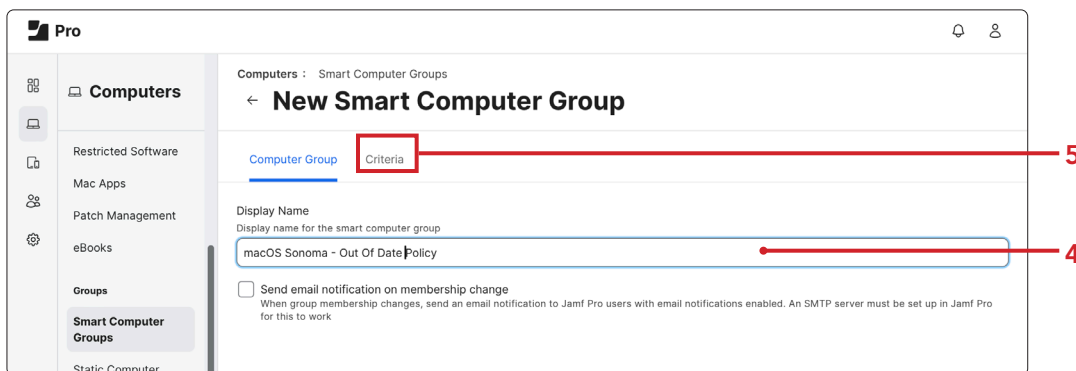
If you would like this criteria to be used as a scope for a policy or configuration profile, follow these steps.

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



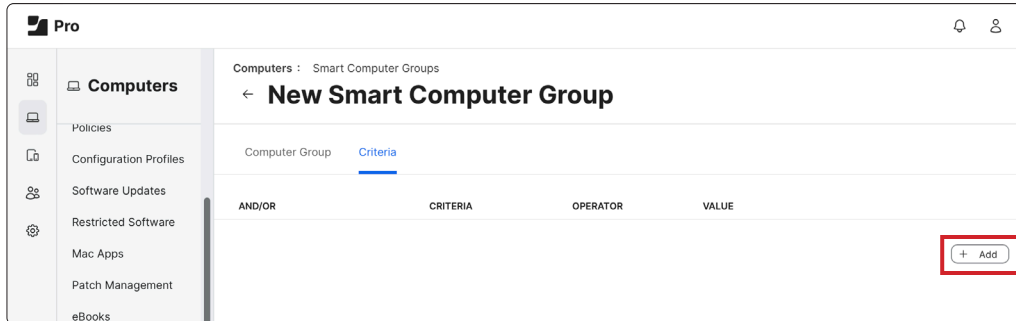
4. In the Display Name enter a name of your choosing. For this guide we are using "macOS Sonoma - Out of Date Policy."

5. Click Criteria.

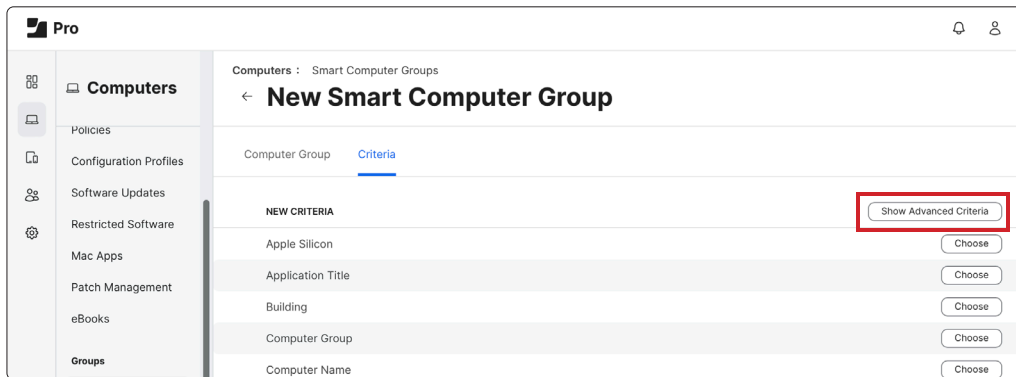




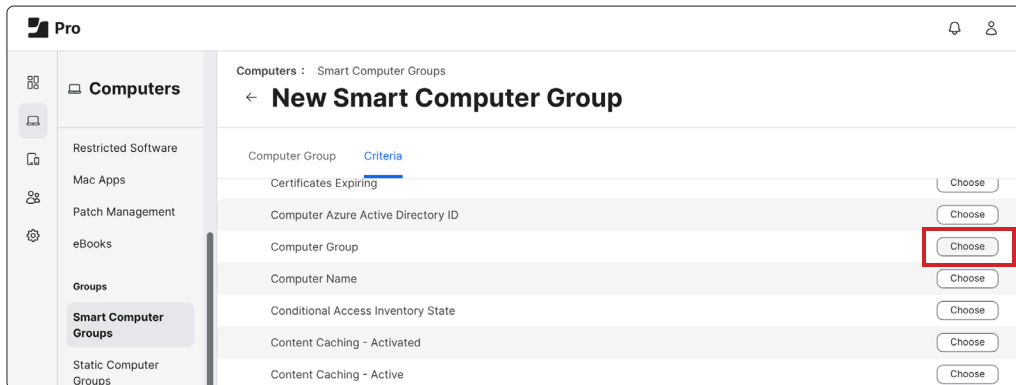
6. Click Add.



7. Click Show Advanced Criteria.

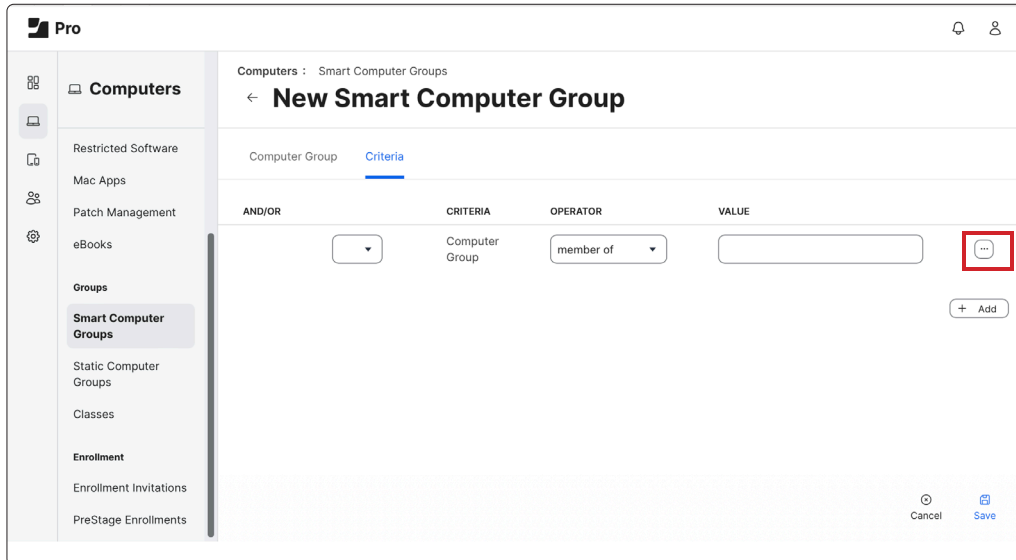


8. Scroll down and click Choose for Computer Group.

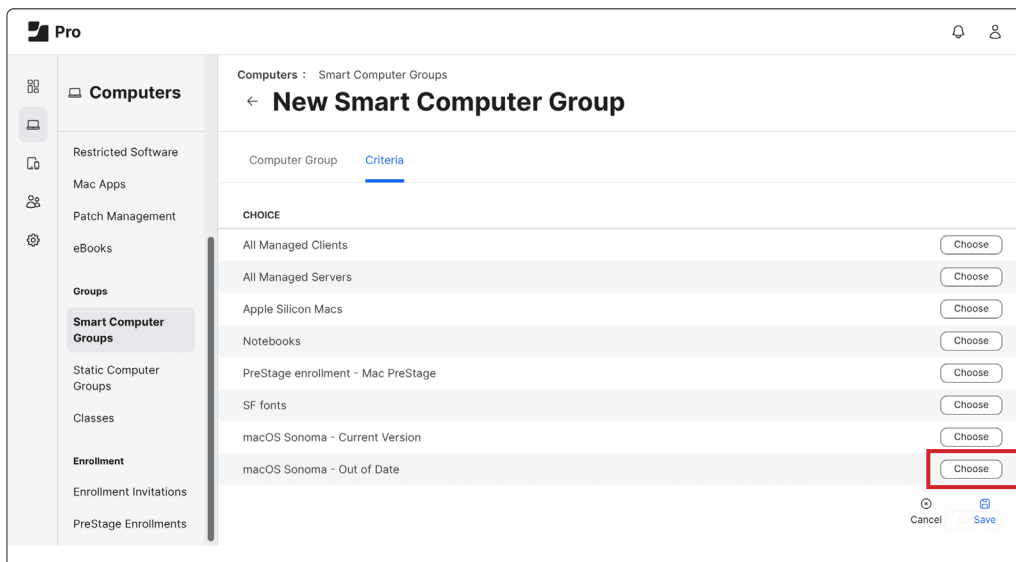




9. Click the Value listing (⋮) to the right of Value.



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

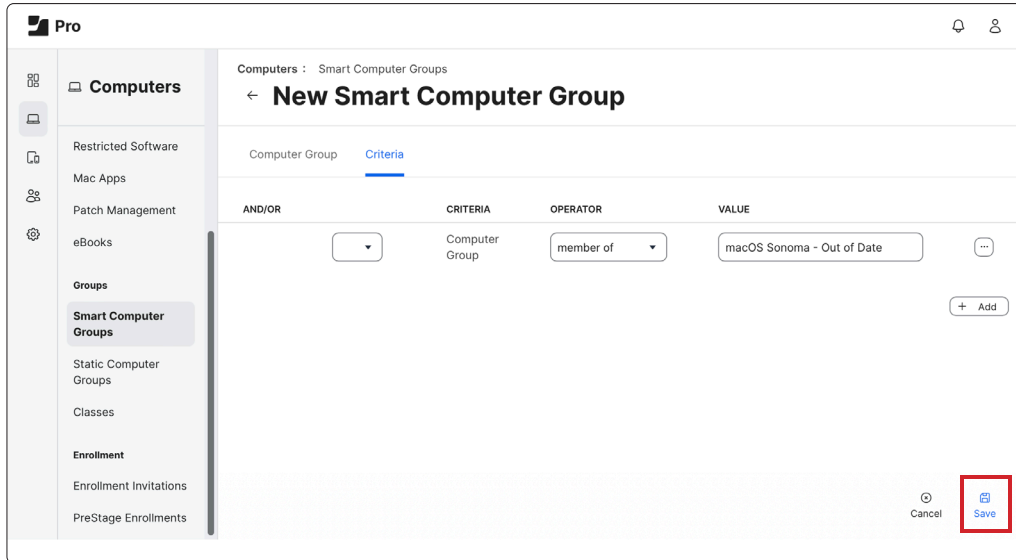




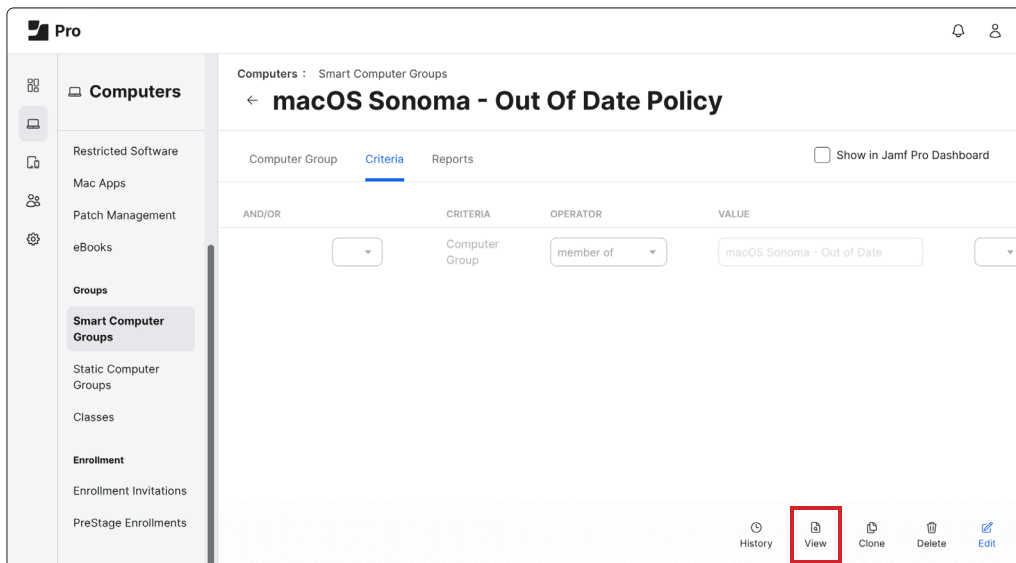


# Create a Jamf Smart Group for the Current Version of macOS

11. Click Save.



12. Click View to view your results.





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.

A screenshot of the Jamf Pro web interface. The left sidebar shows navigation options: Dashboard, Computers, Devices, Users, and Settings. The main content area is titled 'Computers' and displays '2 Computers in "macOS Sonoma - Out Of Date Policy"'. Below the title is a search bar labeled 'Filter Results' and a '+ New' button. A table with the header 'NAME' lists two computers: 'John's MacBook Pro' and 'MacBook Air'. The first row is highlighted with a red border. At the bottom of the table, there are navigation controls: a left arrow, a dropdown menu showing '1', a right arrow, and a 'Show: 100' dropdown. On the far right, there are 'Export' and 'Action' buttons.