

Nasuni Filer Mac OS Performance

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Standard settings for Apple's Mac OS X

This document outlines the standard settings for Apple's Mac OS X in order to improve performance of the Nasuni Filer when browsing network shares.

Updating Mac OS X to the Latest Release

The most stable version of the Finder application is part of the latest version of Mac OS X. The latest version of Mac OS X should be 10.9.5 or later.

To ensure that the Mac has the current latest version of Mac OS X, follow this procedure:

1. Click the Apple icon (🍏), and then click "**About This Mac**" from the drop-down menu. The **About This Mac** dialog box opens.



2. The Version number should be 10.9.5 or later.
If the Version number is less than 10.9.5, then update the Mac OS X version by following these steps:
 - a. Click "**Software Update...**". The App Store opens.
 - b. Save and close any open applications.
 - c. In the App Store window, click **UPDATE**. The update downloads and installs. Eventually, the **Restarting Your Computer** dialog box appears.
 - d. Click **Restart**. The computer restarts.
 - e. Redo steps 1 and 2 above to verify that the version is now 10.9.5 or later.

Setting Finder and Other Preferences

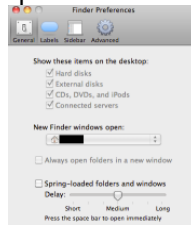
Certain Finder and other preferences can improve performance during browsing.

To set Finder and other preferences, follow this procedure:

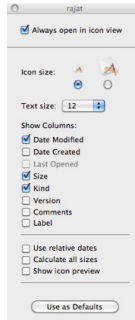
1. Click the **Finder** icon.



2. Then click **Preferences** on the drop-down menu. The **Finder Preferences** window opens.



3. On the **General** tab, clear the “**Spring-loaded folders and windows**” check box.
4. Close the **Finder Preferences** window.
5. Click **View**, then click **Show View Options** on the drop-down menu. The **View Options** dialog box appears.



6. Clear the “**Show icon preview**” check box.
7. Clear the “**Calculate all sizes**” check box.
8. Click “**Use as Defaults**”. Close this window.

Disabling the Attributes Store File Setting (.DS_Store)

Apple uses a hidden file (.DS_Store) to store the custom attributes of a folder. By default, the Finder creates a .DS_Store file in every folder that it accesses, which can affect performance in the Finder window. Disabling the .DS_Store setting can improve performance when browsing SMB shares. For further information, see <http://support.apple.com/kb/HT1629>.

To disable the .DS_Store setting, follow this procedure:

1. Click the **Terminal**.



- The **Terminal** window opens.
2. Execute the following command:
`defaults write com.apple.desktopservices DSDontWriteNetworkStores true`
3. Restart the Mac.

Disabling IPv6

If IPv6 is not needed, disabling IPv6 can also improve performance of the Nasuni Filer when browsing network shares.

To disable IPv6, follow this procedure:

1. Click the Apple icon (🍏), and then click “**System Preferences**” from the drop-down menu. The **System Preferences** window opens.
2. Click **Network**. The **Network** preference pane opens.
3. Select the network.
4. From the **Configure IPv6** drop-down menu, select **Off**.
5. Click **OK**.

Using UNIX extensions

Enabling UNIX extensions can also improve performance of the Nasuni Filer when browsing network shares. Note that this is only true with SMB1 protocol.

To enable UNIX extensions, add this code to the `smb.conf` file:

```
unix extensions = yes
```