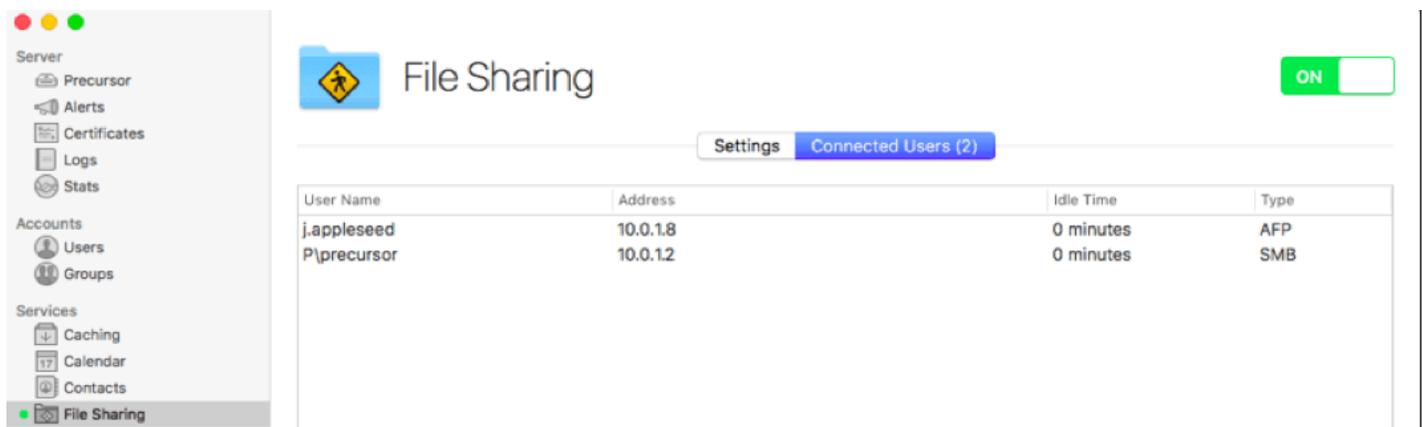


FileSharing Assistant 1.0

Apple has removed the File Sharing pane from macOS Server 5.4 in macOS High Sierra. Gone is the GUI that allowed you to view Connected Users and selectively disconnect them.

FileSharing Assistant is an attempt to provide that functionality in a usable GUI for High Sierra users.



This GUI in macOS Server is gone in version 5.4

FileSharing Assistant Requirements

- macOS Server

The listings capability relies on macOS Server

<https://itunes.apple.com/ca/app/macos-server/id883878097?mt=12>

macOS Server must be installed since it has the Command Line arguments used for these listings.

- macOS Server's WebManager on port 311

The disconnection capability relies on macOS Server's WebManager on port 311

macOS Server webmanager has always been there but these days it is turned off by default.

FileSharing Assistant will help enable it using the defaults write command (a restart is then required).

Caveat

FileSharing Assistant is provided as is.

No Warranties are extended. Neither express nor implied.

Use at your own risk.

Precursor Systems

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Description

FileSharing Assistant is built-in FileMaker Pro but it has been wrapped into a FileMaker Runtime Solution so that **you do not need to own FileMaker** to use it.

FileMaker has announced that runtime solutions are deprecated. They still work but the ability to create them MAY be removed in future versions.

This particular runtime solution has been code-signed by Precursor.ca so that it can be distributed freely and work on computers that have GateKeeper enabled.

Using FileSharing Assistant.app

SMB is listed by default; include AFP here

Sort by User, i.p. address, Idle Time, and Protocol using these tabs

Refresh the user listing

User Listings

Buttons to disconnect Users

User	Address	Idle Time	Type	Session ID
ODMASTER\franken	192.168.0.23	3 minutes	SMB	4842987225840877572
ODMASTER\o.oreilly	192.168.0.30	2 minutes	SMB	127687225840877576
ODMASTER\boosby	192.168.0.36	24 minutes	SMB	4387987225840877575
c.rose	192.168.0.22	12 minutes	AFP	346587225840877574
d.trump	192.168.0.9	4 minutes	AFP	4842987223894877572
PRECURSOR-TEST\h.wienstein	192.168.0.44	37 minutes	SMB	48429872258182746
j.conyers	192.168.0.167	31 minutes	AFP	8957987225840877578
ODMASTER\jambor	192.168.0.87	11 minutes	SMB	374887225840877576
ODMASTER\hoover	192.168.0.143	19 minutes	SMB	4321987225840877574
ODMASTER\jasseter	192.168.0.15	8 minutes	SMB	7467987225840877574
ODMASTER\k.spacey	192.168.0.98	33 minutes	SMB	8738987225840877576
louis.ck	192.168.0.113	35 minutes	AFP	7836987225840877576
ODMASTER\m.lauer	192.168.0.199	14 minutes	SMB	9657987225840877577
ODMASTER\precursor	192.168.0.224	9 minutes	SMB	3847987225840877575
ODMASTER\precursor	192.168.0.67	12 minutes	SMB	23465987225840877575
r.moore	192.168.0.111	11 minutes	AFP	12345987225840877577
r.polanski	192.168.0.125	13 minutes	AFP	8487987225840877574

How it gets the listings

Listings are obtained using Command Line calls to arguments that are only available if macOS Server is installed.

Please refer to the documentation on page 85 of the File Sharing Admin pdf for OS X 10.6 available at:

https://manuals.info.apple.com/en_US/FileServerAdmin_v10.6.pdf

One call is made for SMB listings and another for AFP listings. You can turn AFP listing off. I put this option in since you cannot share AFP from boot drives that are APFS in High Sierra (although you can still share AFP via external drives that are still formatted in HFS+).

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How it disconnects users

Users get disconnected by applying the Session ID info gathered from the listing and applying to a curl call to the macOS Server web manager on port 311.

This method was suggested by Charles Edge:

<http://krypted.com/mac-os-x-server/server-admin-web-modules-curl-you/>

In a future version it should be possible to disconnect multiple users at a time provided they are all of the same protocol (AFP or SMB). In version 1.0 I only provide the ability to disconnect one user at a time.

Since the web manager is disabled by default these days, FileSharing Assistant will use the defaults write command to enable it:

```
sudo defaults write /Library/Preferences/com.apple.servermgrd requireUserAgent -bool false
```

NOTE: you have to restart your server to complete this change.

Security

FileSharing Assistant requires your admin credentials. These are used to send the various commands.

When you quit the app, the credentials are deleted.

Nevertheless, don't share the file with anyone. If you recommend it to a colleague have them download a fresh and empty copy.

Documents Access note

FileSharing Assistant must have access to your Documents folder to a comma separated values file called: FSA-Results.csv

Known Bugs

Unexpected results may occur when you try to use this and there are actually no users connected to your file sharing server.

Donation-ware

FileSharing Assistant is provided free but if you find it useful please feel free to show your appreciation.

\$5 suggested.

<https://precursor.ca/precursor/sales/payment.html>

Updates

The latest version will be available at:

https://precursor.ca/precursor/resources/filesharing_assistant.html

Revision History:

1.0 December 11/17. Tested on macOS High Sierra 10.13.2/macOS Server 5.4. (Works on earlier versions too)

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