

# FileWave Version 14.0.2 (Unsupported)



These downloads are provided for the purposes of migrations and should not continue to be used in production. You should upgrade to either the most recent release or the one prior. They can always be found here: [Supported FileWave Versions](#)

## FileWave Management Suite

Your existing FileWave Server must be version 12.7.1 or higher before you can upgrade to FileWave 14.0.2. Additionally, FileWave 14+ has a higher minimum memory requirement of 8GB.

### Compatibility



#### Server

- macOS 10.12 through 10.15
- Linux CentOS 6.10 x86\_64, and 7.8 x86\_64



#### Booster

- macOS 10.12 through 10.15
- Windows 10, Server 2012 R2, Server 2016, Server 2019
- Linux CentOS 6.10 x86\_64 and 7.8 x86\_64



#### Clients

- macOS 10.12 through 10.15
- Windows 10, Server 2012 R2, Server 2016, Server 2019

Windows 7 is officially End Of Life from Microsoft and is no longer officially supported by FileWave from version 13.3 onwards.



#### Admin

- macOS 10.12 through 10.15
- Windows 10



#### Mobile Clients

- iOS 9.3, iOS 12 and iOS 13
- iPadOS 13
- tvOS 13
- Android 7 and above (EMM Client)
- Chromebook: ChromeOS 43+
- iOS 14, iPadOS and tvOS 14 support is limited to [Version 13.3.1](#) features.

Older Android versions using Native APK application are supported using [Version 13.3.1](#).

Compatibility Chart

FileWave 14.0.2 OS Version Support							
OS	OS Version	Server	Booster	Admin	Client	MDM Client	EMM Client
OS X macOS	Sierra 10.12	✓	✓	✓	✓	✓	
	High Sierra 10.13	✓	✓	✓	✓	✓	
	Mojave 10.14	✓	✓	✓	✓	✓	
	Catalina 10.15	✓	✓	✓	✓	✓	
Windows	10 Pro/Enterprise		✓	✓	✓		
	Server 2012 R2		✓		✓		
	Server 2016		✓		✓		
	Server 2019		✓		✓		
Linux 64bit	CentOS 6.10	✓	✓				
	CentOS 7.8	✓	✓				
iOS	iOS 9.5.4					✓	
	12					✓	
	13					✓	
	14					✓	
tvOS / iPadOS	13					✓	
	14					✓	
Android	7 Nougat						✓
	8 Oreo						✓
	9 Pie						✓
	10						✓

\*Notes: See the FileWave downloads page for specific patch versions of supported operating systems.  
iOS, iPadOS and tvOS 14 support is limited to FileWave 13.3 features

## Legacy Version Compatibility Chart

OS Legacy Version History			
OS	OS Version	Client	MDM Client
Windows	Windows 7 SP1	Legacy Version 13.2.3	
iOS	10		Legacy Version 13.1.5
	11		Legacy Version 13.1.5
macOS	El Capitan 10.11	Legacy Version 13.1.5	Legacy Version 13.1.5
Android (APK client)	Android 4 to Android 7	Legacy Version 13.2.3	

## New Features

### New Web admin (Beta !)

### Apple devices management:

- Enhanced support for Shared iPads (iPadOS 13.4)
- User Enrollment support for iOS / iPadOS devices:
  - New enrollment url to "User enroll" devices in a Bring Your Own Device scenario - see <https://www.apple.com/business/it/>
  - Automatically create and associate VPP users to User Enrolled devices to ease VPP apps and books deployment
  - Enrollment type is now shown in Client info
- 32b only applications are reported and not installed on incompatible iOS / iPadOS devices
- macOS: use of InstallEnterpriseApplication command to install FileWave agent on compatible devices
- Simplify VPP license management:
  - New Licensing option "Device when possible, user if not"
  - License reservation is not mandatory anymore - fileset can consume license from VPP token without reservation
- Support for universal apps
- Basic support for macOS "Big Sur"
  - Devices running macOS 11 properly report macOS version
  - Fixed an issue where updating profiles on non-MDM macOS 11 devices would remove the profile (see below)
- iOS 14 / macOS 11: "Disable MAC address randomization" option in Network profile

macOS 11 "Big Sur" changes:

One of the changes announced by Apple during WWDC 2020 is that macOS 11 will drop support for command line installation of profiles and Software Update.

FileWave 14.0.2 contains important change to profile installation for non-MDM enrolled macOS (or profiles installed before MDM enrollment).

## Desktop devices management:

- New Fileset revision system:
  - Allows regrouping different versions of the same application inside the same fileset
  - More control over staging and application upgrade
- Association conflict resolution is now more consistent:
  - The "Winning" association now follows clear and consistent rules for the distance (no difference between normal clones and smart group clones for instance)
  - All association attributes (kiosk, licensing, schedule) are now from the winning association
- Smart groups can be used in Imaging Views to create Imaging Associations
- Verify can now be triggered via command line on device

## Native console:

- Enhanced booster monitor to only accept valid settings
- "Move to..." option for fileset
- It is now possible to filter inventory query results
- It is now possible to create a smart group from an inventory query
- it is now possible to duplicate a smart group
- Added more information to Inventory-based Smart Groups to clarify membership

## Installers:

- A backup of FileWave database and important settings will be taken before upgrade

## Internals:

- Important third party upgrade:
  - OpenSSL 1.1.1g
  - Apache 2.4.43
- Postgres Log rotation now uses integrated postgres log rotation mechanism

Google Related Updates:

## Additional Information



Included Open Source Software

[Click here for an extensive list of Open Source Software included in the FileWave products.](#)



Changes and Fixes in 14.0.2

- FW-20101 Fixed incorrect "FATAL" log level in booster logs
- FW-23055 Fixed an issue where it would not be possible to create macOS account in DEP profile with dash
- FW-23123 Fixed an issue where editing script environment variable would not scroll to the edited variable
- FW-24019 Fixed an issue where User Network Payload would require user/password
- FW-24773 Minor: fixed typo in "Enroll iOS Device" dialog
- FW-25345 Fixed an issue where model update could be slow due to Wallpaper profiles
- FW-25380 Fixed an issue where Network profile channel would be incorrectly linked to SetupModes option
- FW-25453 Fixed an issue here notification profile would not automatically list apps
- FW-25461 Fixed an issue where internal house keeping tasks would take too long to perform
- FW-25563 Improved FileVault 2 PRK status reporting on macOS Catalina
- FW-25692 Fixed an issue where check duplicates script would consider empty serial number as duplicated entries
- FW-25747 Fixed a possible deadlock between DEP sync and Auto DEP assignment rules
- FW-25817 Fixed an issue where creating an inventory based query could crash native admin
- FW-25818 Fixed an issue where model update could fail due to outdated entries in database
- FW-25987 Fixed a performance issue due to too frequent smart group evaluations
- FW-25991 Fixed an issue where boosters would not always use their dedicated communication channel
- FW-25992 Fixed a performance issue where server and boosters would not use multiple threads to communicates with clients
- FW-26006 Fixed an issue where incorrect "Lock" error message could prevent model update
- FW-26011 Improved Inventory based smart group evaluation time
- FW-26049 Fixed an issue where gathering information related to iOS devices, required for Smart Group evaluation, could be slow



Changes and Fixes in 14.0.1

- FW-20532 fwcontrol client status now prints filesets not installed due to failed requirements
- FW-22493 Fixed an issue where DEP assistant would show device assignment time in UTC and not in local time
- FW-22504 Updated Security And Privacy profile to provide more granular change options
- FW-23135 Fixed an issue where reinstalling a dependency would be possible even if dependent fileset does not met requirements
- FW-23202 Fixed an issue where fileset could remain locked when cancelling duplication
- FW-23214 Fixed an issue where Fileset would remain locked after editing registry file
- FW-23554 Added support for range queries for Active Directory, which allows LDAP groups containing more than 1500

- entries
- FW-23763 Fixed an issue where window title text could turn black after opening a combobox
- FW-23989 Fixed missing entry in "Window" menu for Inventory Query Editor
- FW-24088 FileWave does not try to install 32b applications on 64b only iOS anymore
- FW-24119 Fixed an issue where, when logged in with a FileWave admin, member of multiple LDAP admin groups, multiple filesets would be created from the same VPP license
- FW-24150 Fixed an issue where initial setting of FileWave Client running on IVS would be incorrect leading to connection delay
- FW-24203 Fixed an issue where Full Disk Encryption usage would show incorrect number of affected devices
- FW-24257 Fixed misleading log entry when no SIS is configured
- FW-24420 Added is null and is not null as operand for Custom Fields in Inventory Query builder
- FW-24886 Fixed an issue where running FileWave admin on macOS Catalina would not use fixed font for script editors
- FW-24946 Fixed an issue where fwGUI would not use fwcmd log level
- FW-24966 Fixed "association distance" calculation for group clones
- FW-25173 Improved log messages when testing incorrect LDAP configuration
- FW-25185 Fixed an issue where configuring Shared iPad diagnostics would not work
- FW-25189 Lower log level for debugging traces in booster
- FW-25246 Fixed iOS client info not being able to sort Managed Application list
- FW-25256 Fixed an issue where Screen Time and SideCar would be missing in macOS restriction payload
- FW-25257 Fixed an issue where updating several times the model quickly could lead to temporary incorrect smartgroup membership
- FW-25280 Fixed an issue where creating iTunes fileset from App Store would use incorrect locale
- FW-25282 Fixed "run\_all\_queries" debugging management command to properly use smart group queries
- FW-25296 Fixed an issue where iOS placeholders would appear in "New Client" Dialog after being deleted
- FW-25298 Cosmetic: bash shebang in template does not contain space anymore
- FW-25375 Fixed an issue where log contains long stack-trace in case of denied request
- FW-25392 Cosmetic: removed "help" button on Windows title bars
- FW-25405 Fixed an issue where inventory report can be broken if Spotlight reports the same application several times with same path but different size
- FW-25469 Fixed an issue where booster monitor would not allow configuring more than 400 max client for linux boosters
- FW-25471 Fixed an issue where TLS connection could be incorrectly closed, leading to communication issues between clients and server or boosters
- FW-25495 Fixed an issue where house keeping would be abnormally slow with a large number of MDM commands
- FW-25544 Fixed an issue with patch tool when tmp folder is not on the same file system as FileWave files
- FW-25560 Fixed possible upgrade issues
- FW-25612 Improved user experience in Imaging Association pane when a large number of associations are defined
- FW-25626 Fixed a cosmetic issue where title bar color could be altered after using drop down on macOS
- FW-25649 Fixed a performance issue where native admin would refresh inventory fields from clients view too frequently
- FW-25654 Fixed an issue occurring when moving a file in the same directory in FilesetContents
- FW-25688 Fixed a performance issue related to License Management view
- FW-25770 Updated Webmin for appliances (Booster, server)
- FW-25883 Fixed an issue with fetching VPP information when VPP services are experiencing load
- FW-25896 Fixed an issue where applying patches would fail on macOS 10.12
- FW-25899 Fixed an issue where applying patches would fail on some filesystem configurations
- FW-25902 Fixed an issue where "New Client from Server" could be abnormally slow



## Location Tracking

The location reporting feature in FileWave is disabled by default.

It is recommended that you verify that this feature is in accordance with your organization's policies and AUP (Acceptable Use Policy). Notify your end users before activating location reporting, as enabling the feature will prompt for permission to location information.

Read more... [The Location Tracking KB \(https://kb.filewave.com/display/KB/Location+Tracking\)](https://kb.filewave.com/display/KB/Location+Tracking)

If you upgrade from FileWave 13.1.3 or below, /fwxserver will be moved to its new location /usr/local/filewave/fwxserver. In case moving is not possible (specific mount point for instance), upgrade will stop and will require manual data folder move.

For Details please refer to [fwxserver folder relocation in FileWave Server 13.1.5+ on macOS and Linux Platforms](#)

## Backup Script Update:

With this relocation of /fwxserver, the backup script must be updated on your server to ensure a proper backup is being captured.

Please reference the following for more information; <https://kb.filewave.com/display/KB/Automated+Backup>

## Security Changes

Version 13.0.x introduces higher security standards which have impact on self-signed certificate usage.

While it is recommended to use Trusted-CA issued certificates, you can still use self-signed certificate with FileWave ; please make sure you follow the upgrade steps described in this [KB article](#).

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With FileWave 13.0.x, FileWave uses new [Apple Push Notifications service](#) with HTTP/2 protocol ; make sure your FileWave server can contact <https://api.push.apple.com> (port 443).

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Starting with FileWave 13.1.0, all components (clients and boosters) will be assigned a certificate to validate their access to your

FileWave instance. This implies that [Boosters need to be enrolled](#) to be part of your FileWave setup.


When upgrading, a [Compatibility Mode](#) will automatically be enabled to ease transition ; in this mode, already enrolled clients will automatically be assigned a certificate, but [Boosters will require manual "create certificate" operation](#) once upgraded to 13.1.

You can figure out which booster requires a certificate by looking at the booster view.

If you are using a self signed certificate for your FileWave Server, Booster trust store needs to be updated to trust this certificate. The easiest way is to go through our [Custom Package Builder Service](#) and generate a Booster Package which will contain the server certificate.

## Upgrading Your FileWave Server

Please make sure you have a recent backup before upgrading your server.

- Please read: [Upgrading Your FileWave Server](#)  
This article contains important information that will help ensure your upgrade runs smoothly. It is strongly advised that you review this for each release, since new notes or instructions may have been added.
- With version 13.0.x comes the first iteration of FileWave web-based admin console. It will be installed automatically and uses default HTTPS port (443). Upgrade to 14.x will fail if port 443 is not available (upgrade will fail without upgrading your server, leaving it with the previous version running).  
 If you have another service using port 443  
It is recommended to use a dedicated server for FileWave ; if you want to share the server with other services that require HTTPs port, follow the following steps:
  - stop other service using 443
  - install FileWave 13.0.x
  - change FileWave admin port to an unused as described in [Change Default Web Console Port](#) KB article
  - restart FileWave 13.0.x
  - restart other service
- Upgrading FileWave requires the FileWave Imaging Appliance (IVS) to be upgraded to a compatible version to ensure communication continues.  
Example: FileWave 14.0.0 requires the 7.0 IVS to image your computers.
- In order to avoid problems with migrating database internal structures please make sure that you use a local administrator account, not domain administrator, when performing FileWave Server upgrade on Windows platform.

## Downloads

Included in the Bundled Installer:

- Admin
- Server
- Booster
- Client

### macOS Downloads

An issue which could prevent client upgrade has been identified in version 14.0.2. This issue has been fixed and client version 14.0.2 has been replaced by 14.0.3.

[macOS Installers DMG](#) (md5: 5b8b991efd0d102eaaba4dd55d7b3d7c)

[macOS Upgrade Fileset](#) (md5: 0fc5c6378fd5a246b2ce62d911aec2dd) - 14.0.3 (including upgrade fix)

[macOS Admin](<https://fwdl.filewave.com/14.0.2/FileWave Admin.pkg>) (md5: 61927ffdb8d367132f858ed0b2f18c8c)

[macOS Booster](<https://fwdl.filewave.com/14.0.2/FileWave Booster.pkg>) (md5: b0ec08b290b4755e8f4ade367f3a1b0d)

[macOS Server](<https://fwdl.filewave.com/14.0.2/FileWave Server.pkg>) (md5: f363fa555902c85bcf108242f3da2a55)

[macOS Client](<https://fwdl.filewave.com/14.0.3/FileWave Client.pkg>) (md5: 8b72a9bf36b9df7b1de822a6cbe8f14e) - 14.0.3 (including upgrade fix)

### Windows Downloads

An issue which could prevent client upgrade has been identified in version 14.0.2. This issue has been fixed and client version 14.0.2 has been replaced by 14.0.3.

[Windows Upgrade Fileset](#) (md5: 1c8b0c765a2c6588da45520a533492ae) - 14.0.3 (including upgrade fix)

[Windows Admin](#) (md5: 97525f81133d5ebb9f08e3b152f4a3f7)

[Windows Booster](#) (md5: eb13836d6bc920295c1f282506ccd698)

[Windows Client](#) (md5: e504e88d3b9082f739dd73ae4ce55508) - 14.0.3 (including upgrade fix)

For more information, see FileWave is no more running natively on the Windows Server platform. [Windows Server End of Life KB](#).

## Linux Downloads

[Linux Installers](#) (md5: 5bdabf12904c55b392fda7ead1e407b8)

[Linux Server](#) (md5: 4abdb1ef370ed8474c3f9b00c2dea3f1)

[Linux Booster](#) (md5: 1a2a74374f1baccb132b3dd76617662e)

To install or upgrade the FileWave Server, use the following :

```
yum install -y --nogpgcheck https://fwdl.filewave.com/14.0.2/fwserver-14.0.2-1.0.x86_64.rpm
```

To install or upgrade the FileWave Booster, use the following :

```
yum install -y --nogpgcheck https://fwdl.filewave.com/14.0.2/fwbooster-14.0.2-1.0.x86_64.rpm
```

Note: Use the following command to download offline installers:

```
wget https://fwdl.filewave.com/14.0.2/FileWave_Linux_14.0.2.zip
unzip FileWave_Linux_14.0.2.zip
```

## iOS Downloads

This is a native app version of the traditional Web Clip kiosk/app portal that is sent to devices ; it provides for a better end user experience and is required for location information.

iOS 9+ : [FileWave Enterprise.ipa](https://fwdl.filewave.com/14.0.3/filewave/App Portal 14.0.3.ipa) (md5: 0e0d3c504d180cec6252af1c32608206)  
Static CDN URL :

```
https://fwdl.filewave.com/14.0.3/filewave/App Portal 14.0.3.ipa
```

As Apple code signing requirements have changed since 14.0.2 has been released, the native app portal has been re-built and re-signed with new requirements and released as version 14.0.3.

## Chrome

The FileWave Inventory extension for Chromebook has to be installed via the Google Admin Console for your domain. Please see [Quickstart Guide for Chromebooks](#) for detailed instructions

[Skeleton for Chromebook white-boxing](#) (md5: 150fd09e2005b71a9ce85b6ed6225a1c)

## Virtual Appliance Downloads

[VMware and VirtualBox \(OVA\) Server Appliance](#) (md5: 5e5122eb2a990e4de7348354610252b9)

[VMware and VirtualBox \(OVA\) Booster Appliance](#) (md5: 489248b6f99778c8b3ca24390aba0fe6)

For more information about importing the appliances please see: [Importing FileWave Appliances](#)

## Hyper-V Appliance Downloads

[Hyper-V \(VHD\) Server Appliance](#) (md5: 0ac391d2abf61ea92e57ea716caf5d62)

[Hyper-V \(VHD\) Booster Appliance](#) (md5: aeb7d01b727959d1b3a05053620b65e0)

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