

# FileWave Early Access Program

Please review the [details](#) about the EA program prior to installing anything in this EA section.

- [What is the Early Access Program?](#)
- [Building Custom Clients During Early Access](#)
- [FileWave Version 16.1.0](#)
- [Open Source Software included in FW v16.1.0](#)

# What is the Early Access Program?

The articles in the [FileWave Early Access Program](#) pertain to FileWave releases that have successfully passed our internal Quality Assurance (QA) process but are not yet available as a general release to all customers. These articles and resources are published here to provide you with early access to important updates and features, allowing your organization to evaluate, test, and prepare for broader adoption. Once a release becomes generally available, these articles will be relocated to their standard locations in the Knowledge Base (KB), and normal release notifications will be distributed.

## Fully Supported Builds & Early Access Benefits

All builds referenced [here](#) are fully supported by FileWave. Early Access releases are ideal for customers who want to:

- Adopt new features and enhancements sooner: Leverage the latest FileWave capabilities and improvements ahead of general availability, enabling your organization to be more efficient and take advantage of new functions as soon as they are available.
- Accelerate Day 1 OS support: Prepare for and support new operating system releases as soon as they launch, minimizing downtime and ensuring smooth transitions for your users.
- Test in sandbox or non-production environments: Evaluate new versions and features in a controlled setting before deploying company-wide.
- Collaborate directly with development: Early Access participants receive focused support and direct engagement from our development and technical teams, with rapid response if any issues arise.
- Proactive problem resolution: Your feedback during Early Access helps us identify and resolve issues more quickly, contributing to greater stability and smoother deployments at general release.
- Targeted case resolution: In some situations, Customer Technical Support may guide you to an Early Access build if it addresses a specific support case or operational need unique to your environment.

“ Minimal risk: Early Access builds have passed full QA and are fully supported. As an early participant, you benefit from more immediate support attention, minimizing potential disruptions.

## Hosted Customers

If you are a Hosted Customer and wish to have your server included in the Early Access program, simply open a Technical Support case and request to be added. You will be added to the Early Access upgrade schedule and, for each release cycle, you will receive communication from our Operations team with details about your earlier upgrade date.

## Building Custom Clients During Early Access

During the Early Access period, you can use the following links to build custom clients:

- macOS: [https://custom.filewave.com/py/beta-program/custom\\_client\\_mac.py](https://custom.filewave.com/py/beta-program/custom_client_mac.py)
- Windows: [https://custom.filewave.com/py/beta-program/custom\\_client\\_win.py](https://custom.filewave.com/py/beta-program/custom_client_win.py)

“ Note: Custom client builds may not be available immediately for every version during the Early Access window. Please ignore any unsupported status messages shown by the beta build system; these builds are fully supported for Early Access testing. Ensure you select the correct client version to match your intended deployment.

## Support

If you encounter any issues or require assistance, please contact Customer Technical Support through your standard channels. We welcome your feedback during Early Access, as your input helps improve the FileWave experience for all customers.

# Building Custom Clients During Early Access

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- macOS: [https://custom.filewave.com/py/beta-program/custom\\_client\\_mac.py](https://custom.filewave.com/py/beta-program/custom_client_mac.py)
- Windows: [https://custom.filewave.com/py/beta-program/custom\\_client\\_win.py](https://custom.filewave.com/py/beta-program/custom_client_win.py)

“ Note: Custom client builds may not be available immediately for every version during the Early Access window. Please ignore any unsupported status messages shown by the beta build system; these builds are fully supported for Early Access testing. Ensure you select the correct client version to match your intended deployment.

## Support

If you encounter any issues or require assistance, please contact Customer Technical Support through your standard channels. We welcome your feedback during Early Access, as your input helps improve the FileWave experience for all customers.

# FileWave Version 16.1.0

This release has successfully passed all QA testing and is available as part of our [Early Access \(EA\) program](#). While stable, it has not yet been widely deployed in production environments.



If you are planning or supporting a critical deployment, we recommend waiting until 16.1.0 exits Early Access and becomes generally available (GA).

The FileWave endpoint management suite allows you to manage your devices wherever they are, wherever you are, whatever they are, and all in one platform!

FileWave 16.1.0 introduces major enhancements to the FileWave Management Suite, with a focus on performance, scalability, and admin usability. Cloud-hosted customers benefit from a new HTTPS-based Fileset delivery system backed by a secure private CDN and Booster caching, significantly improving deployment speed and reliability. This release adds a built-in Release Dialog for timely update awareness, expanded Content Packs for compliance and security, unified Fileset reporting, and improved MDM command reliability across iPadOS. Support for advanced Apple DDM features, enhanced API capabilities, and backend performance gains such as PG Bouncer integration further strengthen FileWave's position as a powerful, modern endpoint management platform built for complex environments.

FileWave database engine has been upgraded to Postgres 17 to benefit from security fixes and performance improvements.



If your current FileWave version is 15.5 or below, the Database upgrade process which will take place when updating to FileWave 16.1 can take more time than usual, depending on the size of your set-up.

Please make sure to plan accordingly for your upgrade to take a bit longer.

## FileWave Official Version Support

FileWave supports the two latest major versions at any time. For example, if the current version is 16.1.0, we support versions 16.1.0 and 16.0.x. Major releases occur roughly every quarter.

### ▼ What does "officially support" mean?

We will investigate and patch significant issues in these versions. We do not produce patches for versions older than N-1, focusing instead on current versions and future improvements. If an issue is found in an older version, remediation will be in the form of an upgrade or a patch to a more recent version.

You can still contact our support teams about earlier versions. They will assist you to the best of their ability but won't escalate tickets to our development teams. Upgrading is recommended to access the latest features and bug fixes.

## Compatibility

### ▼ A Note on Compatibility

A note on the Compatibility charts: There are several states of compatibility for FileWave clients:

- "Fully Tested by QA" indicates that we have run QA regression tests against these operating system versions, and they are fully supported.
- "Expected to Work" Not being on the fully tested by QA list (such as macOS 12) does not mean that platform is not supported...it just means we did not actively test against it, but we do expect it to function. Support of any issues experienced specifically on these platforms would be considered on a case-by-case basis (but these cases are exceedingly rare.)
- "Legacy" versions mean that we don't test, but we do provide a retro-version of a client so that the device can still report in but as FW Server changes there may be challenges to these working. There is NO support for these platforms beyond the availability of the older client, and in almost all cases these are for OSes that are no longer supported by the OS vendor in question.
- Lastly, items do fall out of support, such as Windows XP and the older Android APK client as examples, but we always include these items in our release notes.

An additional note on third-party software inclusion, such as TeamViewer:

- Partnerships we have with third party providers have their own set of system requirements for those released applications. We test against their most recent versions, and support of those applications is limited to third-party vendor specifications.

### ▼ FileWave Server Platform Support





Fully Tested by QA


- macOS 14, 15 (Intel and Apple Silicon)
- Debian 12.10 x86\_64 (Note that any Debian 12.x is expected to work, and applying security updates may move you to a higher version.)

Expected to work

- macOS 12, 13 (Intel and Apple Silicon)


Virtual Appliances

- HyperV - The images are available as Generation 1 or Generation 2
- VMWare ESX - The images require vmx-19 support which means VMWare vCenter 7.0 Update 2 is the minimum version. (<https://knowledge.broadcom.com/external/article?legacyId=2007240>)
- VMWare Fusion
- VMWare Player and Workstation
- VirtualBox

 Your existing FileWave Server must be version 13.3.1 or higher before you can upgrade to FileWave 14.7.2 and then from 14.7.2 you can upgrade to 16.1.0. The minimum memory requirement for FileWave Server is **8GB**.

#### ▼ FileWave Clients Platform Support



 All OS must be 64bit.

Fully Tested by QA

- macOS 14, 15 (Intel and Apple Silicon)
- Windows 10 (Ent/Pro 21H1 and above), 11 (Ent/Pro 21H2 and above) - x64 architecture.

Expected to work

- Windows Server 2022, Windows Server 2025 - x64 architecture.
- Windows 10 (Edu 21H1 and above), 11 (Edu 21H2 and above) - x64 architecture.
- macOS 12, 13 (Intel and Apple Silicon)

Legacy

- macOS 10.11 → End of Life due to OpenSSL age
- macOS 10.12 → [Legacy Version 14.0.2](#)
- macOS 10.13 → [Legacy Version 14.5.4](#)
- macOS 10.14 → [Legacy Version 14.8.0](#)
- macOS 10.15 → [Legacy Version 15.0.1](#)

#### ▼ FileWave Mobile Clients Platform Support



Fully Tested by QA

- iOS 17.6, 18
- iPadOS 17.6, 18
- tvOS 17.6, 18
- Android 14, 15, 16 (EMM Client)
- Chromebook

Expected to work

- iOS 14, 15, 16
- iPadOS 14, 15, 16
- tvOS 14, 15, 16
- Android 8 to 13 (EMM Client)

#### Legacy

- iOS 13 → [Legacy Version 15.0.1](#)
- iOS 10, 11, 12 → [Legacy Version 13.1.5](#)

#### ▼ FileWave Central (Native) Platform Support



**i All OS must be 64bit.**

#### Fully Tested by QA

- macOS 14, 15 (Intel and Apple Silicon)
- Windows 10 (Ent/Pro 21H1 and above), 11 (Ent/Pro 21H2 and above) - x64 architecture.

#### Expected to work

- Windows 10 (Edu 21H1 and above), 11 (Edu 21H2 and above) - x64 architecture.
- macOS 12, 13 (Intel and Apple Silicon)

#### ▼ FileWave Booster Platform Support



**i All OS must be 64bit.**

#### Fully Tested by QA

- Debian 12.10 x86\_64 (Note that any Debian 12.x is expected to work, and applying security updates may move you to a higher version.)
- macOS 14, 15 (Intel and Apple Silicon)
- Windows 10 (Ent/Pro 21H1 and above), 11 (Ent/Pro 21H2 and above) - x64 architecture.

#### Expected to Work

- Windows 10 (Edu 21H1 and above), 11 (Edu 21H2 and above) - x64 architecture.
- Windows Server 2022, Windows Server 2025 - x64 architecture.

#### Virtual Appliances

- HyperV - The images are available as Generation 1 or Generation 2
- VMWare ESX - The images require vmx-19 support which means VMWare vCenter 7.0 Update 2 is the minimum version. (<https://knowledge.broadcom.com/external/article?legacyId=2007240>)
- VMWare Fusion
- VMWare Player and Workstation
- VirtualBox

#### ▼ FileWave Imaging Virtual Server Platform Support



The FileWave Imaging Virtual Server (IVS) is a special appliance that provides imaging support for Windows 10 and 11 UEFI and non-UEFI devices.

## Virtual Appliances

- HyperV - The images are available as Generation 1 or Generation 2
- VMWare ESX - The images require vmx-19 support which means VMWare vCenter 7.0 Update 2 is the minimum version. (<https://knowledge.broadcom.com/external/article?legacyId=2007240>)
- VMWare Fusion
- VMWare Player and Workstation
- VirtualBox

# Features and Updates in this Release

## ▼ FileWave Management Suite Changes

### Improved Fileset delivery for Cloud-hosted servers

With FileWave 16.1, we are introducing a new way to store and deliver filesets, based on modern and secure industry standards. For hosted instances, filesets will now be stored on private CDN, only available for your devices. This combined with revisited fileset download mechanism will greatly improve fileset delivery and end-user experience.

Fileset download, for cloud-hosted servers, will use https, both for complete fileset or single file delivery ; FileWave Boosters 16.1 are capable of caching https requests from clients to speed up even further delivery and helping you managing better your network infrastructure. Booster Monitor has been extended to show usage of https cache.

Delivery mechanism for on-prem servers remains the same.

### Content Pack (Central)

In Assistants -> Content Packs you can now find Content Packs and easily add them to your server with ease.

### Installed Application list for desktop devices (Central)

Like Anywhere, FileWave Central is now showing in Client Info the list of installed applications for Desktop (Windows and non-MDM macOS devices)

### Unified Fileset Reports (Central)

For historical reasons, FileWave had a different presentation for Desktop Fileset reports and for iOS / Mobile fileset reports. FileWave Central 16.1 unifies both reports for a simpler user experience.

### User Interface Enhancements

- Double-clicking a device in any list with a "Client Info" context menu option will now open the client information.
- Devices in the "Awaiting Configuration" state are highlighted with a different color for easier identification.
- The Fileset view includes new context menu options: "Show Content" (if applicable) and "Fileset Report."

### Localization Improvements

- Japanese translations are now available as long as the regional language is set to Japanese, without requiring the country to be set to Japan.
- German, French, Korean, Japanese, Chinese Simplified & Traditional have all had more complete coverage for translations and with customer feedback we have a simple method to correct translations moving forward.
- Dutch, Turkish, Swedish, and Spanish are added as complete translations.

### Winget and Autopkg Enhancements

- The Winget Search dialog features tooltips for descriptions and a context menu that links to the package home page, if available.
- The Autopkg Search dialog now displays all packages by default, instead of showing an empty list.

## ▼ Apple-Specific Changes

### Apple Spring release 2025 support

#### New DEP Skip Key

- New DEP Skip Key ("Safety and Handling") and corresponding Setup Assistant item

#### Updated profiles

- Extensible SSO has a new setting to include UDID and Serial Number into Platform SSO attestations
- Managed Relays can now match or exclude FQDNs
- New Restrictions:
  - MDM can disable Apple Intelligence reports with the allowAppleIntelligenceReport restriction.
  - MDM can disable smart replies in Mail with the allowMailSmartReplies restriction.

- MDM can disable the ability to summarize content in Safari with the allowSafariSummary restriction.
- MDM can control whether the default calling app can be modified using the allowDefaultCallingAppModification key.
- MDM can control whether the default messaging app can be modified using the new allowDefaultMessagingAppModification key.
- VPN profile updated against updated documentation (Authentication Name, Password and Remote Address changes)
- WebClip can use different url schemes like mailto
- XSan now has “SAN configuration URLs”

## Allow Idle Reboot

New setting (available as Command Policy Profile) to allow devices to automatically reboot while locked after several days of inactivity.

## Battery-health status on iPadOS

Battery-health status is also reported by compatible iPads

tvOS Software Update now uses DDM



tvOS was not capable of using DDM to enforce software update - this is now the case with tvOS 18.4

Beta Software Update Setting (DDM configuration)



it is now possible to configure how your devices can apply to different beta programs your organization signed up for.

Application management using DDM



Application management was possible with DDM, but without App Configuration support ; this is now possible, starting with iOS 18.5.

App configuration can be defined either directly within Fileset Properties or with a DDM Asset ; FileWave will automatically convert the asset into MDM App config if the fileset is deployed to devices not supporting DDM App installation.

FileWave 16.1 also brings support of iOS 18.5 feature allowing applications to use specific DDM assets (certificates, identity...).

### DDM Information in Client information

DDM Declaration is now showing more details in DDM-capable Client Information dialog:

- it shows the expected declaration (based on the current model) together with the applied declaration (which has been sent to the device).
- it shows the content of the configurations applied to the device.

### Beta Program at enrollment

The same way you can enforce devices to be at a given OS version at enrollment time, you can now enforce a specific Beta version in DEP profile, if your organization applied for the corresponding beta program.

### DDM asset and configuration editor

Updated all descriptions with Apple's updated documentation

### MDM Lock dialog

Dialogs have been modified to clarify the feature works differently on macOS and on iOS.

## Internals

As installing profiles on macOS can't be done locally using fwclld anymore (only using MDM), fwclld is not downloading profile content anymore, reducing resource requirements.

DDM Assets are now more versatile, and are not stored in database anymore (only on disk, reducing resource requirements).

### ▼ Android-Specific Changes

Android 16 is expected to release in June 2025 and the basic functionality from betas has been tested by QA and works. As with any new OS we will have to re-test when the official release happens to ensure nothing changed between beta and release.

## Policy changes

MAC Address randomizer setting is now available in Network policy.

### ▼ FileWave Windows Imaging (IVS) Changes

FileWave Windows Imaging solution relies on PXE Boot, which delivers a tiny Linux image containing all required components to run the imaging process. Compatibility with different hardware depends on how the tiny linux image is built - mainly which Linux kernel version and embedded packages and modules.

FileWave Networking Imaging 16.1.0 brings compatibility with FileWave 16.1.x.


- Linux Kernel: 6.13.10
- Buildroot: 2025.02

### ▼ Internal Changes

## Third party libraries

Third-party libraries updated for improvements and security changes. Mainly:

- With FileWave 16.0, Postgres has been upgraded to 17

 Upgrading Database engine requires upgrading Database data, which can take some time. Be patient when upgrading to FileWave 16.1 from FileWave 15.5.2 or older.

- Qt has been upgraded to 6.9
- Python has been upgraded to 3.13
- OpenSSL has been upgraded to 3.5.0

## PG Bouncer

PgBouncer is a service that helps manage how applications connect to a PostgreSQL database. It keeps things running smoothly by reusing existing connections instead of creating new ones constantly, which improves speed and stability, and reduces resources requirements.

### ▼ Deprecated Features

The following features have been deprecated from FileWave 16.1. They are present but will be removed in a future release:

- FileWave Central Dashboard: The Dashboard in FileWave Central will be replaced by a view of a Grafana Dashboard to not maintain 2 Dashboard systems.
- Client Monitor application: The standalone Client Monitor will be removed in a future release because it is only used for FileWave Clients < 16.1.0 as well as monitoring the IVS server. It will be included at least until the IVS dependency is removed.

We encourage you to provide product feedback if you have any concerns: [FileWave Product Management](#) or in the Help menu of Central/Anywhere you can send feedback as of 16.1.

### ▼ Decommissioned Features

The following features have been removed from FileWave 16.1:

- macOS 10.11 El Capitan: Released in September 2015, this version of macOS will not work with even a legacy client due to an incompatibility with a current version of OpenSSL.

# Changes and Fixes in 16.1.0

## ▼ Changes and Fixes in 16.1.0

### Bug fixes:

- FWRD-762 Added support for editing SCRIPT and COMMAND LINE custom fields via the API when using an application token.
- FWRD-1413 Fixed an issue where Imaging filesets would be listed in "Create Association" dialog
- FWRD-1432 Fixed an issue where it would be possible to add a Group Clone inside the group itself
- FWRD-2606 Fixed an issue where mobile devices could not be enrolled if the license did not permit desktop clients
- FWRD-2659 Fixed an erroneous audit log entry when changing fileset permissions
- FWRD-2884 Fixed an issue where the same extension could be added twice in Text Editor supported Extensions
- FWRD-3390 Fixed an issue where booster would be listed twice after rename in Prometheus system
- FWRD-3549 Fixed an issue where script file location would not depend on the fileset OS but on the admin OS
- FWRD-3552 Fixed an issue where Administrator List in "Manage Administrators" Dialog would not show sort indicator
- FWRD-3991 Improved user experience related to Fileset Reports and fileset which can be deployed on both mobile and desktop devices
- FWRD-11523 Fixed an issue where installing FileWave Server on macOS would create empty directory in /Applications
- FWRD-11944 Added a section to the Kiosk documentation covering code guidelines and folder organization.
- FWRD-12619 Fixed an issue in macOS Login Items where empty "TeamIdentifier" setting would be added if the parameter is not filled in the profile
- FWRD-12719 Corrected the Username field for Chromebook devices in Anywhere Admin to display the Last Logged in Username accurately.
- FWRD-13105 Fixed an issue where cancelling import of a new revision could delete the fileset
- FWRD-13163 Improved German translation in Central for "Apply"
- FWRD-13663 Fixed an issue where adding invalid Command (using API) to a device command queue would break device communication
- FWRD-13987 Fixed an issue where unenrolled boosters would be marked as in error in Booster View or Grafana Dashboard
- FWRD-13991 Fixed an issue where "Last Updated" column would be empty for mobile fileset reports
- FWRD-14040 Made sure only Apple School Manager related DEP tokens can be used for Classroom sync
- FWRD-14135 Fixed an issue where Universal Custom Applications could not be detected properly as universal
- FWRD-14150 Fixed an issue where changing column position of an inventory query could cause invalid data export
- FWRD-14152 Improved validation for the MDM command creation API endpoint to reject invalid command names.
- FWRD-14367 Resolved an issue where iOS upgrade fileset statuses differed between Central and Anywhere; statuses are now consistent and reflect the actual state.
- FWRD-14393 Fixed an issue where allowUSBRestrictedMode would be incorrectly set in iOS restriction profile
- FWRD-14439 Fixed typo in "iPad Screenshot" inventory field
- FWRD-14624 Fixed an issue where Imported DDM configuration would not handle properly dependency with DDM Assets
- FWRD-14662 Improved workflow when creating a DDM asset directly from a DDM configuration
- FWRD-14746 Fixed an issue related to navigation buttons on "Tab Widgets" in Central
- FWRD-14782 Fixed an issue where it would be possible to open Client Monitor for placeholders
- FWRD-14804 Fixed graphical glitch on iOS restriction profile
- FWRD-14820 Fixed an issue where it would not be possible to remove a custom field if it was used once in an inventory query as display field
- FWRD-14825 Fixed minor UI glitches in Deployment dialog (Central)
- FWRD-14828 Improved UI Contrast in Profile / Policy / Configuration dialogs
- FWRD-14845 Fixed an issue where incorrect log entry related to Software Update fileset could be added when creating a normal desktop fileset
- FWRD-14849 Fixed a potential Central crash when removing items from Home Screen Layout Profile
- FWRD-14956 Eliminated unnecessary warnings in the Central log when opening the Client Monitor related to 'ClientMonitorDlg' properties.
- FWRD-15024 Fixed an issue where changing a script section could change the previously selected script
- FWRD-15027 Added 'is null' and 'is not null' options for FileWave Policy / Fileset ID in Anywhere Admin and fixed related operator display issues.
- FWRD-15029 Fixed an issue where exporting macOS Update Fileset would be possible
- FWRD-15046 Added a 'Back' button to the Reports view in Anywhere Admin for easier navigation.
- FWRD-15117 Fixed UI Contrast in Dark Mode of "Show Associations" popup
- FWRD-15118 Fixed an issue where NATS errors were logged every 5 seconds in filewave\_django.log when the Client Monitor was open and the client was disconnected.
- FWRD-15133 Fixed a potential Fileset Magic Crash on Windows related to Registry change detection
- FWRD-15134 Added validation to the Fingerprint field in the SCEP section of Apple Profiles to ensure it is a valid hex string with an even number of digits.
- FWRD-15151 Made sure /etc/timezone is no more used now it is deprecated on Debian
- FWRD-15167 Added missing NATS permissions for clients connected via boosters to allow proper message publishing.
- FWRD-15179 Fixed not up to date copyright page on IVS
- FWRD-15230 Fixed interactive scripts regression introduced with 64-bit FileWave client
- FWRD-15264 Fixed an issue where Content Caching details would not be visible in Client Information
- FWRD-15323 Fixed an issue where FileWave server could receive client statuses via NATs before all components are ready to process them
- FWRD-15348 Fixed a potential issue where DDM Declarations tab would not be visible for DDM capable device
- FWRD-15375 Fixed an issue where Model Update could display "Model Updated successfully" while it has been skipped if started Chromebook sync occurs
- FWRD-15404 Added the 'Setting Items' column to the Command History tab in FileWave Anywhere.
- FWRD-15409 Improved resource requirements for LDAP custom field synchronization
- FWRD-15427 Fixed an issue where cancelling fileset upload could prevent from updating model
- FWRD-15433 Fixed an issue where the Client Monitor did not work with a custom WebAdmin port.
- FWRD-15441 Fixed an issue where interactive scripts failure would not be reported as failed



- FWRD-15442 Fixed an issue where it would not be possible to rename or move Central Admin apps on macOS
- FWRD-15451 Fixed typo in Fileset Properties for iOS apps compatible with Apple Silicon devices
- FWRD-15453 Fixed an issue where unwanted scrollbars would be visible in Fileset Properties dialog (Central)
- FWRD-15454 Fixed an issue where cancelled import files would never be removed from ADMINWORK folder
- FWRD-15462 Fixed an issue where FileWave Central Admin apps on macOS would be in /Applications/FileWave/app\_folder
- FWRD-15463 Improved resource required to gather statistics related to failed client requests
- FWRD-15464 Fixed UI glitches with Profile Fileset properties dialog
- FWRD-15479 Fixed incorrect minimum macOS requirement for Upgrade Fileset
- FWRD-15488 Fileset reports for desktop devices does not show which fileset info
- FWRD-15492 Fixed an issue where "Export Current View" would not work from menu on Windows
- FWRD-15545 [BE] MU fails if Kiosk policy fileset ID is bigger than 2147483647
- FWRD-15553 Update apache configuration for better resource management
- FWRD-15601 Escaped HTML entities not unescaped in Fileset list and Kiosk app view
- FWRD-15617 Fixed an issue where "enabled" state of Imaging Associations would be reverted to "true" after model update
- FWRD-15638 Fix potential client crash when connectivity with NATs server is lost
- FWRD-15675 Fixed a potential crash on Windows when many log entries are produced; could typically impact Fileset Magic if Central Admin is not run as Administrator and has limited permissions.
- FWRD-15676 Fixed an issue where Model Update could be slow after deleting a fileset with many files

## Included Open Source Software

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

## Upgrading Your Environment

### ▼ macOS Downloads



[macOS Upgrade Fileset](#) (md5: 8bca5664b69d56420912b1aee4983927)

[macOS Admin](#) (md5: 9482049d151f81aa88c47c0dff8fef20)

[macOS Booster](#) (md5: 246dcb8b37558386c7c45d803acbf9f4)

[macOS Server](#) (md5: 6b963886d1b8e577f62b071615510047)



Remember that to upgrade macOS FileWave clients you should use the Upgrade Fileset. Never deploy the macOS Client installer from <https://custom.filewave.com> to an existing device. It is intended for new installs.

### ▼ Windows Downloads



[Windows Upgrade Fileset](#) (md5: 11d6ec1541f58ffd071429034c2db29f)

[Windows Admin](#) (md5: 53eeb34ec80dca814729ec125e0f966f)

[Windows Booster](#) (md5: 229d177291c61bbaa81862b6b814a76f)



Remember that to upgrade Windows FileWave clients you should use the Upgrade Fileset. Never deploy the Windows Client installer from <https://custom.filewave.com> to an existing device. It is intended for new installs.

### ▼ iOS Downloads



Kiosk on iOS / iPadOS is now automatically installed from a CDN. ([Read More](#))

#### ▼ Chrome Extension



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

#### ▼ Debian Linux Downloads



[Debian Linux Server](#) (md5: ff5145bbcf14e391ba894a7347c22047)  
[Debian Linux Booster](#) (md5: dcfa51fe930cbeeb49789d6c84699792)  
[Debian Linux IVS: FileWave Admin](#) (md5: a3a03f1ac8dfa89588b5a0a205c4f86d)  
[Debian Linux IVS: FileWave Imaging Client](#) (md5: 86eab53c866ec8fe08b715ce277e648c)  
[Debian Linux IVS: IVS Kernel](#) (md5: 11b416188f8ec4bff3d64ac7d7e662a1)  
[Debian Linux IVS: FileWave IVS](#) (md5: 722548a2ce7578e9236654a691c0df58)

For any of the below upgrades you would want to console or SSH to your Server/Booster/IVS and then run the command listed to upgrade the relevant component.

**i** If you are using a FileWave appliance that before 15.4.0 the SSH access was with the user "root" and for any appliance setup from 15.4.0 or later the user is "fwadmin" and you would have been forced to [set the password on first login](#).

##### Upgrading the FileWave Server

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

```
wget -q0- https://kb.filewave.com/attachments/411 | sudo bash -s -- -v 16.1.0 -r 1 -p -y
```

##### Upgrading a Booster

To install or upgrade the FileWave Booster, use the following or [Booster Auto-Upgrade](#) :

```
wget -q0- https://kb.filewave.com/attachments/412 | sudo bash -s -- -v 16.1.0 -r 1 -p -y
```

##### Upgrading a IVS

To upgrade the FileWave IVS, use the following:

```
wget -q0- https://kb.filewave.com/attachments/408 | sudo bash -s -- -v 16.1.0 -r 1 -p -y
```

#### ▼ Virtual Appliance Downloads



##### OVA Images

These three images are OVA images suitable for VMWare or other systems that use OVAs:

[VMware and VirtualBox \(OVA\) Server Appliance](#) (md5: 81440038e82c08baf182ca89d0fd7f90)  
[VMware and VirtualBox \(OVA\) Booster Appliance](#) (md5: fb0bbb8453e701020561b2d94aca1429)  
[VMware and VirtualBox \(OVA\) Imaging Appliance](#) (md5: d52ed34cb7adfd298c7377d8e3faf425)



### HyperV Images

These three images are Hyper-V images suitable for Microsoft Hyper-V (Gen 1):

[Hyper-V \(VHD\) Server Appliance](#) (md5: 9fd415dc00b2a4c3b1048d140945b73e)

[Hyper-V \(VHD\) Booster Appliance](#) (md5: 70027ef8f04958860b2468d55177a0f7)

[Hyper-V \(VHD\) Imaging Appliance](#) (md5: 64c9ef0ca0d8207067c4a415d483e4aa)

These three images are Hyper-V images suitable for Microsoft Hyper-V (Gen 2):

[Hyper-V \(VHD\) Server Appliance](#) (md5: cc1607f0aa954ebb7263bb86cdb6d96d)

[Hyper-V \(VHD\) Booster Appliance](#) (md5: deb3c0f0b2bb58a8378ac4fbb7c144ff)

[Hyper-V \(VHD\) Imaging Appliance](#) (md5: abafec0bebd78ae2a200608eda0a2b8c)

To get started with the FileWave Server appliance please see: [1. Installation and Setup | FileWave KB](#)

❗ For a Booster you would setup networking just like you do with Server and then: [Booster Installation | FileWave KB](#)

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



❗ CentOS is EOL. You must [Migrating your On-Premise FileWave Server to new Hardware](#) to get to FileWave on Debian or consider our [Cloud Hosting Product](#).

## Unconfigured Client Installers

### ▼ macOS and Windows

❗ Please note that the below is only to be used when Support has identified that they are needed to fix an issue. Normally these Client packages are not used. Pushing the PKG or MSI below from FileWave can break a client.

[macOS Client](#) (md5: 045c9d3551f8eacd054cabff654de77d)

[Windows Client](#) (md5: 17e323cb82f91cc804d82150b886a536)

# Open Source Software included in FW v16.1.0

FileWave is a device management solution that uses a variety of open source libraries and software (OSS) to provide its features and functionality. We believe in the importance of open source software and are committed to giving back to the community. By listing the open source software we use, we hope to make it easier for others to learn about and use these technologies, and to comply with the terms of the licenses for these software packages.

The software below is what is included in: [FileWave Version 16.1.0](#)

▼ Admin Console			
abseil	20240722.1	<a href="#">license</a>	<a href="#">download</a>
alertmanager	0.28.0	<a href="#">license</a>	<a href="#">download</a>
angular	1.8.2	<a href="#">license</a>	<a href="#">download</a>
apache_exporter	1.0.9	<a href="#">license</a>	<a href="#">download</a>
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apr-util	1.6.3	<a href="#">license</a>	<a href="#">download</a>
aws-sdk-cpp	1.11.491	<a href="#">license</a>	<a href="#">download</a>
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postgresql-17	17.4	<a href="#">license</a>	<a href="#">download</a>
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xxHash	0.8.3	<a href="#">license</a>	<a href="#">download</a>
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papaparse	4.6.3	<a href="#">license</a>	<a href="#">download</a>
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react-beforeunload	2.6.0	<a href="#">license</a>	<a href="#">download</a>
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react-dom	16.14.0	<a href="#">license</a>	<a href="#">download</a>
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react-redux	7.2.2	<a href="#">license</a>	<a href="#">download</a>
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react-router-dom	5.3.4	<a href="#">license</a>	<a href="#">download</a>
react-simple-code-editor	0.11.3	<a href="#">license</a>	<a href="#">download</a>
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▼ Booster			
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grafana_piechart_panel	1.0.5	<a href="#">license</a>	<a href="#">download</a>
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nats_exporter	0.16.0	<a href="#">license</a>	<a href="#">download</a>
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postgresql-17	17.4	<a href="#">license</a>	<a href="#">download</a>
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zstd	1.5.6	<a href="#">license</a>	<a href="#">download</a>

▼ Desktop Client (macOS, linux, Windows) - macOS/Windows Kiosks

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expat	2.6.4	<a href="#">license</a>	<a href="#">download</a>
Flutter - accordion	2.6.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - carousel_slider	5.0.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - clock	1.1.1	<a href="#">license</a>	<a href="#">download</a>
Flutter - cupertino_icons	1.0.8	<a href="#">license</a>	<a href="#">download</a>
Flutter - dio	5.4.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - equatable	2.0.5	<a href="#">license</a>	<a href="#">download</a>
Flutter - flutter	3.24.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - flutter_gen	5.6.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - flutter_local_notifications	17.2.2	<a href="#">license</a>	<a href="#">download</a>
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Flutter - flutter_widget_from_html_core	0.15.1	<a href="#">license</a>	<a href="#">download</a>
Flutter - http	1.2.2	<a href="#">license</a>	<a href="#">download</a>
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Flutter - multi_split_view	2.4.0	<a href="#">license</a>	<a href="#">download</a>
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Flutter - path	1.9.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - propertylistserialization	1.4.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - provider	6.1.2	<a href="#">license</a>	<a href="#">download</a>
Flutter - shimmer	3.0.0	<a href="#">license</a>	<a href="#">download</a>
Flutter - system_tray	2.0.3	<a href="#">license</a>	<a href="#">download</a>
Flutter - transparent_image	2.0.1	<a href="#">license</a>	<a href="#">download</a>

Flutter - url_launcher	6.3.1	<a href="#">license</a>	<a href="#">download</a>
Flutter - win32	5.5.4	<a href="#">license</a>	<a href="#">download</a>
Flutter - win32_registry	1.1.4	<a href="#">license</a>	<a href="#">download</a>
Flutter - window_manager	0.3.9	<a href="#">license</a>	<a href="#">download</a>
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mod_xsendfile	0.12	<a href="#">license</a>	<a href="#">download</a>
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mtail	3.0.8	<a href="#">license</a>	<a href="#">download</a>
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nats-server	2.11.1	<a href="#">license</a>	<a href="#">download</a>
nats_exporter	0.16.0	<a href="#">license</a>	<a href="#">download</a>
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