FileCloud Server 21.1 Release Notes

Releases

Latest MD5 release checksums

- **filecloudupdate.zip 322CEB536630E3724653487020EC0478**
- **FileCloudSetup.exe 512844E3167131D44C8F8D9BB7735BB9**

The May 2021 release of FileCloud (version 21.1) is now available.

Patch 21.1.2.15173 fixes these issues.
Client Patch 21.1.1.5892 fixes these issues.
Patch 21.1.1.15106 fixes these issues.

Security Advisories

- Advisory 2021-06 Limited Arbitrary File Read
- Advisory 2021-05-03 Security Issues in Apache Solr 8.8.1
- Advisory 2021-05-02 Admin Portal Phar Deserialization
- Advisory 2021-05-01 OpenSSL Vulnerability

Upgrade to access new and enhanced features. Here are some highlights of the release:

- FileCloud Server Performance Enhancements - This version of FileCloud Server is faster and more efficient.
- Keyboard Accessibility - Keyboard accessibility is now supported, enabling users to submit forms or navigate using keyboard shortcuts and navigation.
- System Software Upgrades - System software has been upgraded to the latest versions for optimal performance.
- Role-based Admin Users - Admin users are now tied to roles to make it easier to assign permissions.
- FileCloud Drive User Interface - FileCloud Drive has a new, streamlined user interface as well as a log-in wizard.
- Drive Support for Big Sur - FileCloud Drive now supports Big Sur running on Apple Silicon. Note that setting changes are necessary.
- ServerLink enhancements - Enhancements to ServerLink include additional status information, a Fast mode for quicker syncing, and improved error notification.
- Microsoft Office Sensitivity Metadata - Sensitivity labels are now automatically extracted with other Microsoft Office metadata.
- Sync and ServerSync Support for Linux - Sync and ServerSync now support installations on Linux.
- Better Security When Updating FileCloud - An improved verification process has been implemented to increase security when downloading FileCloud upgrades.
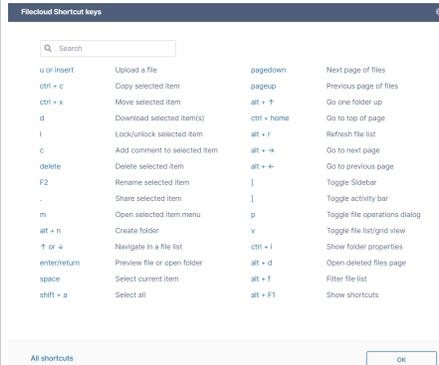
FileCloud Server Performance Enhancements

FileCloud is now 66% faster, more extensible, and capable of handling higher loads.

On this page

Keyboard Accessibility

FileCloud is now compliant with VPAT Guideline 2.1, which requires that all functionality be available from the keyboard.

See Keyboard Shortcuts and Guide to Keyboard Shortcuts.

System Software Upgrades

FileCloud's system software applications have been upgraded to the following versions:

- Apache 2.4.46
- PHP 7.4.16
- MongoDB 4.2.13
- SOLR 8.8.2
- OpenSSL 1.1.1k

Role-based Admin Users

Several enhancements have been made to the admin users (Promoted Admins) feature.

- Admins can now create admin roles that include a specific set of permissions. Each new admin user is assigned an admin role and has the permissions defined for that role.
- The permissions are much more granular than in previous versions, and depending on the action, roles may be given read, create, update, and/or delete permission.
- In addition, admin roles can be assigned to entire groups, giving any user in the group all of the admin privileges.
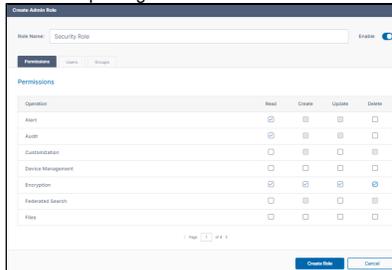
See Managing Admin Users.

FileCloud Drive User Interface

FileCloud Drive not only has a new, simpler user interface but also a new log-in wizard that makes it easy to set up and change your Drive configuration.
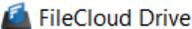
FileCloud Drive's new Login/Setup Wizard
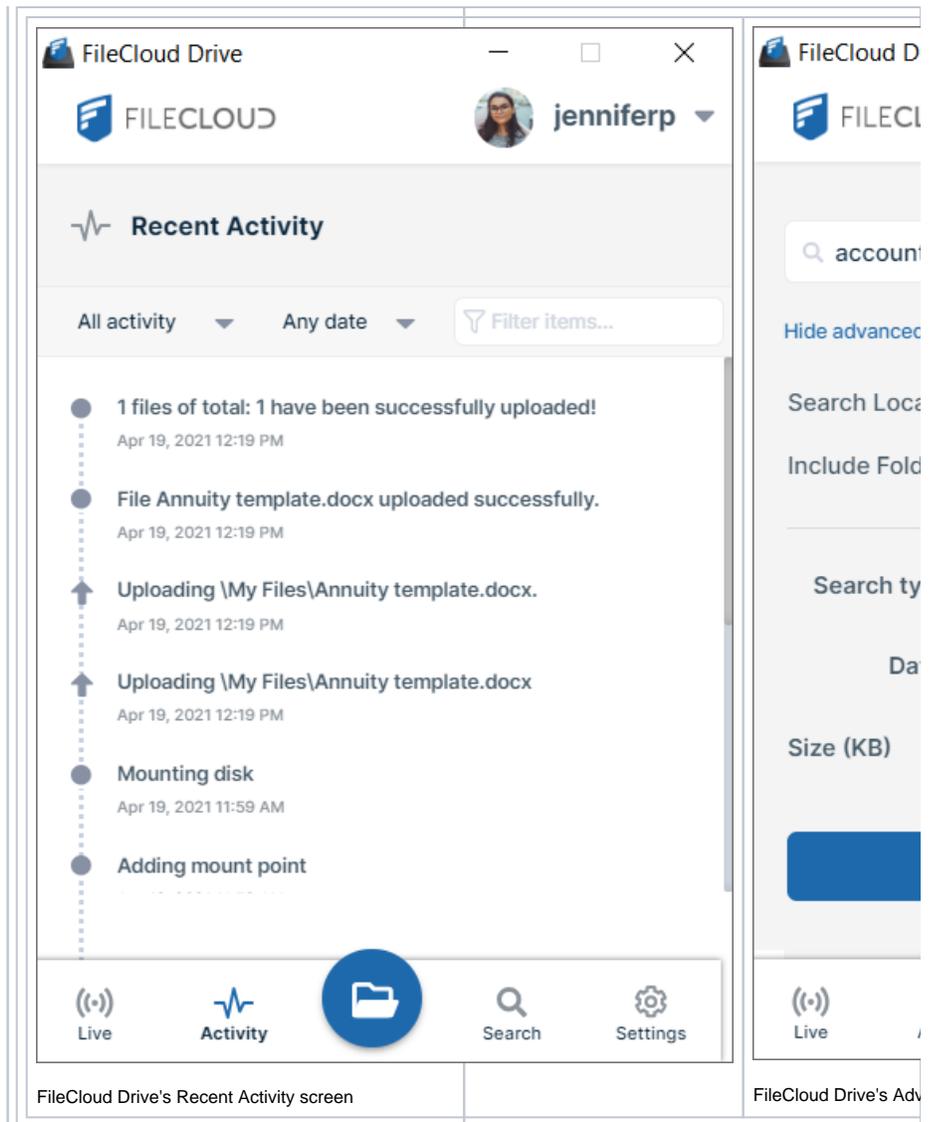
FileCloud Drive's Recent Activity screen

FileCloud Drive's Adv...

FileCloud Drive Support for Big Sur running on Apple Silicon

You can now run FileCloud with Big Sur running on Apple Silicon. However, a change to your security settings is required. See FileCloud Drive: Configuration for Big Sur Running on Apple Silicon for instructions.

ServerLink Enhancements

Various improvements have been made to ServerLink.

- The nodes in the Status tab now display user and file counts.
- A new Fast mode enables you to sync more quickly by eliminating unnecessary processes.
- Synchronization error alerts are now sent to admins once an hour.
- False error reports have been minimized.
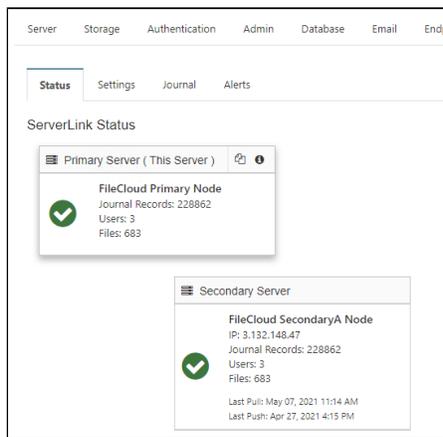
Nodes in ServerLink's Status tab now display user and file counts.

Microsoft Office Sensitivity Metadata

Microsoft Office files now include sensitivity labels that users can apply to files to indicate the type of information they contain (for example, *Public* or *Confidential*). FileCloud now automatically extracts this data with other Microsoft Office metadata.
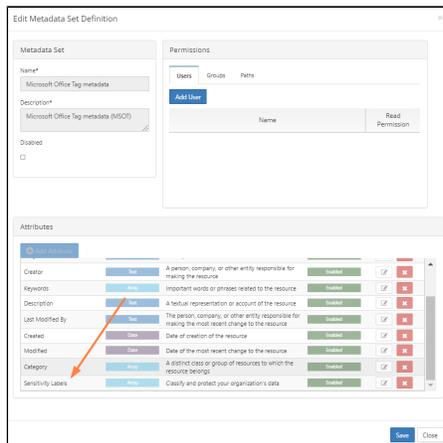
Sync and ServerSync Support for Linux

Sync and ServerSync can now run on Linux.
To install Sync on Linux, see Install Sync on Linux
To install ServerSync on Linux, see Install ServerSync on Linux.

Better Security When Updating FileCloud

A two-step verification process has been implemented to ensure that the correct upgrade file is run.

Due to this, the procedure for upgrading with a local copy of the update file has changed. See Upgrade using Admin Portal and Upgrade using Update Tool (Windows Only)

Enhancements

	Area	Feature	Notes
Server			
CL-7749	Apache	The Apache version in FileCloud has been up dated to Version 2.4.46.	
CL-8075	Database	MongoDB has been updated to Version 4.2.13 to replace Version 3.6, which has been deprecated. Note: FileCloud Versions 21.1 and higher will not work with versions of MongoDB lower than 4.0.	
	Network Shares	The fcorchestrat or service, in addition to the Web Server, must now run as an account with full permissions on Network Folders to avoid issues when network shares are accessed.	See Web Server Permissions for Network Shares
CL-7614	PHP	The PHP version in FileCloud has been updated to Version 7.4.16	
CL-8855	Solr	The Solr version in FileCloud has been updated to Version 8.8.2.	
CL-8560	OpenSSL	The OpenSSL version in FileCloud has been updated to Version 1.1.1k to resolve a security vulnerability.	See Advisory 2021-05-01 OpenSSL Vulnerability

CL-8740	AD	When a user had two accounts with AD logins, the user was sometimes logged into the wrong account. A new setting can be enabled to prevent errors with multiple AD account logins.	
CL-7364	Admin user	There was no method of giving an admin user some folder privileges while preventing folder deletion. The new role-based admin user feature enables users to permit some actions while denying others.	See Managing Admin Users
CL-8164	Alerts	System and email alerts are now sent when the message queue is down.	
CL-6831	Alerts	The summary email now lists the number of system alerts and warnings since the last summary email.	
CL-8180	Audit	When a user accesses a public share to perform any action, the log now indicates that "Someone" rather than "Anonymous" accessed the share to avoid confusion.	
CL-8133	Authentication	Basic authentication is now available to users with the correct permissions if FileCloud has the basic authentication setting enabled.	See Enabling Basic Authentication

CL-7759	Automation app	The FileCloud Automation app now includes a parameter for disabling SSL verification.	See FileCloud Automation App
CL-7798	Backup	A setting has been added for disabling deletion of backup files.	See Disabling Deletion of Backup Files
CL-7993	CCE	Color tag metadata can now be applied to files through the CCE.	See More CCE Rule Examples
CL-8245	CSS	Now, the current version of the user portal supports custom CSS.	See Customizing CSS and Customize your styles with CSS in FileCloud Online
CL-7723	DLP	When a user saves a SHARE /ENFORCE DLP rule, a warning that all shares violating the rule will be deleted during the daily Cron run now appears.	
CL-8340	Email	The body of the Email template for password expiration notification has been changed for the current UI to reflect the position of settings in the old UI.	
CL-7712	Encryption	In the Settings for Storage > My Files, the Encryption field now displays the encryption status with the Manage button.	
CL-6035	Metadata	Recommendations for the maximum length of metadata field names and attribute values have been added.	See Metadata Limitations/ Recommendations
CL-7475	Notifications	File and Folder Activity email notifications now include links to the files or folders referenced.	

CL-8538	Reports	Reports now show partial data when their status is queued or in progress.	
CL-7581	Reports	A new report that shows the files and folders shared with a user has been added.	See Custom Reports
CL-8727	Reports	The Storage Usage report now has parameters that enable reporting on non-default sites.	
CL-8615	Retention tool	The Retention tool has a new parameter that supports multi-tenant setups.	
CL-8349	Retention tool	The Retention tool has a new parameter that enables removal of a retention policy from all files /folders in a parent directory.	
CL-7596	Shares	Now, in the current user interface, users can choose a file to be displayed when a publicly shared folder is previewed.	See Set Share Preview for Public Folder Shares
CL-8515	Shares	Now, when a user who can only share privately creates a share, the Manage Share dialog box opens in expanded view and shows share options.	
CL-8045	Storage	Storage utility scripts have been added for calculating usage and missing files.	See Storage Scanner Tool for Missing Files and St orage Usage Tool

CL-5613	Updating FileCloud	When FileCloud was updated, users were not warned that adjustments made to httpd.conf were overwritten. Now a message informing users appears when the update is complete.	
CL-	User Details	When user and team folder total quotas were unlimited, User Details displayed their values as "0." It now displays their values as "Unlimited."	
CL-6896	Workflows	The Inactive users email now includes last dates logged in as well as usernames.	
Drive			
CL-8841	Commit pending changes	The Commit Pending Changes button, which appeared in earlier versions of Drive, has been restored to settings,	
Outlook Add-in			
CL-6344	Auto upload	There are now parameters available for setting auto upload defaults for the Outlook Add-in.	See Device Configuration XML For Outlook Add-in
ServerSync			
CL-8124	Linux	ServerSync is now supported on Linux.	See Install ServerSync on Linux
CL-5300	SUSE Linux	ServerSync now supports SUSE Linux versions 12 and 15. To use SUSE Linux version 12 with storage application programs such as Dell Unity VSA, enable LAN file sharing.	

CL-8323	Watchdog app	A ServerSync watchdog app now runs in the background and attempts to restart ServerSync if it stops running.	
Sync			
CL-6950	Linux	Sync 2.0 (the current Sync interface) is now supported in Linux.	See Install Sync on Linux
ServerLink			
CL-8233	Fast mode	ServerLink can now be run in Fast mode.	See ServerLink Fast Mode
CL-8275	Status	ServerLink status boxes now display user and file count as well as number of journal records.	See Viewing ServerLink Information
CL-8262	Logs	ServerLink now has a separate file that stores its log records.	
CL-8263	Logs	A new setting has been added to control maximum server link log file size.	
CL-8238	Monitor	A monitor that sends an alert if ServerLink is not running can now be configured.	
CL-8264	Notifications	When there is a synchronization error, ServerLink now sends an alert message to the admin once an hour until the issue is resolved, up to 3 times in 24 hours.	See FileCloud ServerLink
CL-8470	URL	It is now possible to have a common URL for shares and other links that is used for all nodes.	

Bug Fixes

Reference Number	Area	Description
Server		
CL-8330	Activities	Many activities exceeded 60 seconds. This has been fixed.
CL-8516	AD	AD Users with the same username but different email domains were able to log in to their accounts with their own emails and the other users' passwords. This has been fixed.
CL-8117	AD	Some disabled AD users were imported to FileCloud as enabled users. They are now imported as disabled users.
CL-8391	Admin	Admin session timeout was not working. This has been fixed.
CL-8001	API	When the renamefile API was called for a very large folder, it resulted in a timeout. This has been fixed.
CL-8454	Audit	When a user was added to a policy, the audit logs incorrectly showed that other users in the policy were removed and added back. This has been fixed.
CL-6468	Audit	Previews were shown in audit records as downloads. This has been fixed.
CL-8062	Audit	Audit records were not added for subfolders of deleted folders. This has been fixed.
CL-8523	Browser	The right panel expansion button was disappearing when a user scrolled down the page. This has been fixed.

CL-8620	Critical section	After users moved or copied large folders, critical section records that were not removed blocked other operations. A tool has been added to help users manually delete the records. See Critical Section Cleanup Tool
CL-8161	Customization	When a custom path was entered into Initial User Web Portal Path in Customization > URL > Initial User Web Portal Path, FileCloud ignored it and sent the user to the default login page. This has been fixed.
CL-7927	Customization	FileCloud was resizing custom header logos, causing some to appear distorted. FileCloud now accepts customer header logos of any height and does not resize them.
CL-7992	Devices	In the User Portal, in the Settings > Devices screen, when the cursor hovered over a truncated device name, the full device name was not shown. Now, the full device name is shown.
CL-8594	Devices	In the User Portal, when a user moved from page to page in the device list, the top device was no longer displayed. This has been fixed.
CL-8422	Disk Quota	A problem causing a large number of tmp files to be created, which caused the disk quota to be met has been fixed.

CL-8157	DLP	A new DLP function has been added to enable checking if a value is in a metadata array attribute.
CL-8050	Email	Irrelevant warnings have been removed from email notifications for online sites. A summary Admin email with error messages but not warning messages is now sent to a specified address.
CL-8179	Email	Periods at the end of URLs have been removed from email templates to avoid errors when copying the URLs and clicking on them.
CL-8037	Encryption	Users were able to start a multiple encryption process from the Admin portal causing data loss. This has been fixed.
CL-7911	Folder Security	An issue preventing the Manage Folder Level Security box in the user portal from showing more than 12 users with folder permissions has been fixed.
CL-8026	ICAP	A system set up with ICAP AV with ESET antivirus failed on a "get" method because it expected all upper-case "GET". This has been fixed.
CL-8011	ICAP DLP	Issues preventing some uploaded files from being classified by ICAP DLP have been fixed.

CL-8386	Installation	Instructions for installing FileCloud updates using the FileCloud Update Tool have been modified to validate the data uploaded.
CL-8064	LDAP	The error message for failed logins with LDAP authentication now has less emphasis to match the style of similar error messages.
CL-8567	Logs	A problem causing logs to display passwords in clear text if an AD connect test failed has been fixed.
CL-8543	Logs	When the log level was set to DEV mode, some passwords appeared in clear text in the logs. This has been fixed.
CL-8410	Logs	During Admin portal login, more steps are logged to aid in debugging login errors.
CL-8228	Managed storage	An issue causing the system to erroneously alert the user that managed storage was running out of space has been fixed.
CL-8036	Metadata search	Metadata search was not working correctly for Guest and Limited accounts. This has been fixed.
CL-8049	Network Folders	Support has been added for Arabic characters in Network Folder names.
CL-8658	Network shares	A problem causing Network share folders to be automatically renamed has been fixed.

CL-8562	Network shares	Users were unable to share files from Network shares and give Manage permission. This problem has been fixed.
CL-8381	Notifications	An error that broke the links on notification entries has been fixed.
CL-8346	Notifications	Attempting to change a share notification caused a timeout. This has been fixed.
CL-8227	PDF	An issue causing a page printed to PDF to appear empty has been fixed.
CL-7806	Preview	After a user updated to FileCloud 20.2, password-protected PDFs failed to open for preview. This has been fixed.
CL-8442	Preview	For clarification, a note has been added to the Customization > General > UI Features > Show Document Preview setting explaining that document preview must be configured for the setting to work. In addition, when preview is not enabled, the preview option for files in the user portal is grayed out.
CL-8408	Reports	An issue that was preventing generation of the "Get the effective permissions for team folders" report has been fixed.
CL-7985	Reports	The user login report was displaying ANONYMOUS instead of the user name for 2FA logins. This has been fixed.

CL-8710	Reports	Some reports were not displaying all data when there were a large number of results. This has been fixed.
CL-8225	Reports	A problem causing an update delay in the System Summary dashboard report has been fixed.
CL-8356	Retention policies	A problem causing a retention policy to prevent deletion of an empty folder has been fixed.
CL-8598	S3	An issue preventing the "Shares not allowed" setting from being saved for S3 Network Folder Details has been fixed.
CL-8848	S3	An issue causing download from S3 managed storage to fail has been fixed.
CL-7943	Search	Use Cached Results is now checked by default in the Advanced Search box.
CL-8712	Search	When users searched on team folders, the result displayed "Path not valid or accessible." Now, invalid paths are not shown and valid paths do not display the message.
CL-8551	Security	A non-critical Phar deserialization vulnerability was found. This was fixed by preventing upload of Phar files. See Advisory 2021-05-02 Admin Portal Phar Deserialization

CL-8137	Security	An error message was indicating whether a user had entered an incorrect username or password when login failed. Now the message is less specific and indicates that either the username or the password may be wrong.
CL-8573	Security	A problem enabling uploaded files to avoid validation has been fixed.
CL-8196	Seeding	The seeding tool was not seeding files and folders with paths longer than 255 characters in Windows. This has been fixed.
CL-7435	Share	The share option was not disabled for limited users. This has been fixed, and the option is now disabled.
CL-8150	Share	When sharing is disabled in a policy, the user portal now hides the share option for a file/folder.
CL-8544	Share	A problem that was preventing a share name with a space in it from being uploaded in FileCloud's current user interface has been fixed.
CL-8393	Share, Classic UI	In the classic UI, the page for a public share displayed a logout button that led to an invalid page. This has been fixed.

CL-8453	Share, Upload	When a full user shared a folder from a Network Share with a guest user, and the guest user publicly shared a subfolder with upload permission, the subfolder could not be uploaded. This has been fixed.
CL-8066	SMS	In Policy Settings for 2FA, when the 2FA Mechanism was set to SMS Security and the SMS Provider Setup was changed, the change to SMS Provider Setup was not saved. This has been fixed.
CL-8526	Solr	Filenames were not indexed by Solr if the file content failed to be indexed. Filenames are now indexed even if the file content is not indexed.
CL-8533	Solr	When Solr searched for a filename with a space in it, it returned full string matches and matches for the strings on either side of the space. Now, it searches only for the full string or partial string including the space.
CL-8353	SSO	SSO login was not working in the new UI. This has been fixed.
CL-8505	SSO	SAML SSO configuration has been modified to avoid issues with installations using proxies and non-default ports.
CL-8325	Translation	An incorrect Dutch language translation has been fixed.

CL-8446	Translation	Translations have been added for a number of UI messages.
CL-8054	User Interface	The new user interface introduced in FileCloud Version 20.2 is not supported in Internet Explorer. The old interface is supported in Internet Explorer.
CL-8571	Users	An issue preventing users imported from a csv file from being edited in the Admin portal has been fixed.
CL-8430	Versioning	A problem causing a zero-byte version of a file to be created has been fixed.
CL-8583	Video	An issue preventing shared video files from being previewed in IE and Chrome has been fixed.
CL-8445	Watermarks	The documentation spelled the parameters for licensed company and geoip location incorrectly, causing watermarks to omit that information. The documentation now spells the parameters correctly as LICENSED_COMPANY and GEOIP_LOCATION. See Enabling Watermarks On Previews.
CL-8128	WebDAV	A problem causing WebDAV to perform incomplete uploads of large files has been fixed.
CL-8172	Web Edit	An issue causing web edit of an xlsm file to fail in FileCloud's current user interface has been fixed.

CL-8013	WOPI	An issue causing the Admin UI to show that a failed WOPI configuration was successful has been fixed.
CL-8781	WOPI	If a file was locked by WOPI when one user opened it, a coauthor could not open it for edit. This has been fixed.
CL-8215	WOPI	When WOPI preview was enabled, FileCloud's current user interface failed to preview read-only files. This has been fixed.
CL-8423	Workflows	The delete inactive files workflow deleted files based on the file timestamp rather than the FileCloud upload time. This has been fixed.
CL-8901	Workflows	For the workflow "If file uploaded is bigger than expected size" the action "Delete the file (s)" was not working. This has been fixed.
Drive and MacDrive		.
CL-7761	2FA	2FA login was resulting in a "not authorized" error. This has been fixed.
CL-7988	Data loss	An issue causing removal of saved files has been fixed.
CL-8053	File updates	A lag occurred between the time edits to files were made on one computer and appeared on another. Now updates appear immediately (allowing for the 30-second interval between update checks).

CL-8418	Locking	Locks on files were not released after a reasonable period of time, preventing users from accessing files. Now locks on files are released after 10 hours.
CL-8220	Locking	When auto-unlock was enabled in DocIQ, auto-lock was not working. This has been fixed.
CL-8021	Login	An issue preventing login when the URL ended with a / has been fixed.
CL-8270	Network folders	Drive was not displaying network folders after update from 20.2 to 20.3. This has been fixed.
CL-8226	Network folders	An issue was preventing .part files from being deleted after they were uploaded to a Network Folder using Drive. This has been fixed.
CL-8109	Program failure	A problem causing FileCloud Drive to crash has been fixed.
CL-8068	Reboot	After MacDrive was rebooted, the user had to log in and out several times before the drive was mounted. This has been fixed.
CL-8305	Renames	A problem causing upload of files to renamed folders to fail has been fixed.
CL-7870	Renaming	The system was not handling some multiple rename operations correctly. This has been fixed.

CL-6802	Shut down	Drive was allowing users to shut down before all file changes were recorded. Changes are recorded more quickly now and users are warned if they attempt to shut down before changes are recorded.
CL-8389	SSO	When memcache was used for a session with SSO, memcache errors appeared in the FileCloud logs. This has been fixed.
CL-8010	Upload	Some saved files were not uploaded with Drive. This has been fixed.
Sync		
CL-8145	Digital signature	Digital signatures on FileCloud packages that were signed before installation were removed after installation. This has been fixed.
CL-8187	Logs	Logs now indicate if a file was not deleted because remote delete was not configured.
CL-8144	Remote Management	A problem preventing users from changing the Allow Remote Management setting has been fixed.
CL-8834	RMC	On Sync for Mac, RMC and remote wipe were not working. This has been fixed.
CL-8355	Service	When FileCloud Sync was not syncing properly when run as a service. This has been fixed.

CL-7800	Sync Status	Real-Time Network Folder sync status was displayed under Cloud Storage without a label. For clarity, the label "My Files /Team/Shared Folders/Real-Time Network Folders" has been added.
CL-8171	Team folders	An issue allowing a shared root team folder (which cannot be synced) to be added in selective sync has been fixed.
CL-8268	Upload	An issue causing Sync to fail to upload files to a not yet existing Network Folder has been fixed.
Drive and Sync		
CL-6435	Install folders	The install folders are now named FileCloud Drive and FileCloud Sync.
ServerSync		
CL-8420	Conflict resolution	Auto conflict resolution was not working. This has been fixed.
CL-8017	Deduplication	When deduplication is enabled, ServerSync now Syncs Windows Server files correctly.
Sync and ServerSync		
CL-7737	Thumbs.db	To avoid errors, ServerSync and Sync no longer download Thumbs.db files.
ServerLink		
CL-6521	Error reporting	The criteria for showing warning and error states has been improved so that there are fewer false reports of error states.

CL-8431	Load balancer	A problem causing ServerLink connections going through a load balancer to fail has been fixed.
CL-8335	Upgrade	A problem preventing an sljournal index from being created after an HA ServerLink upgrade has been fixed.
Add-ins		
CL-8206	DocIQ	DocIQ was showing a security exception when opening files. This has been fixed.