Table of Contents

Overview ........................................................................................................................................... 3
1 What’s New ...................................................................................................................................... 3
  1.1 Enhancements .......................................................................................................................... 3
    1.1.1 General Enhancements ........................................................................................................ 3
    1.1.2 Site Server and Agent ........................................................................................................ 8
    1.1.3 Smart Grid View ................................................................................................................ 9
    1.1.4 Mobile Forensics ................................................................................................................. 10
    1.1.5 Language Identification ....................................................................................................... 17
    1.1.6 FTK Portable Case .............................................................................................................. 18
    1.1.7 Filters .................................................................................................................................. 21
    1.1.8 Review ................................................................................................................................. 22
    1.1.9 Search Functionalities ......................................................................................................... 25
    1.1.10 ‘Item List’ Panel ................................................................................................................ 26
    1.1.11 Technical Enhancements ................................................................................................... 29
2 Resolved Issues ............................................................................................................................. 31
3 Limitation ....................................................................................................................................... 35
Contact Exterro ................................................................................................................................ 36
Overview

Exterro was founded with the simple vision that applying the concepts of process optimization and data science to how companies manage digital information and respond to litigation would drive more successful outcomes at a lower cost. We remain committed to this vision today. We deliver a fully integrated Legal GRC platform that enables our clients to address their privacy, regulatory, compliance, digital forensics, and litigation risks more effectively and at lower costs. We provide software solutions that help some of the world’s largest organizations, law enforcement and government agencies work smarter, more efficiently, and support the Rule of Law.

1 What’s New

1.1 Enhancements

1.1.1 General Enhancements

1. You can now choose to view and review cases in Smart View. To do so, you can click on the ‘Smart View’ button displayed in the following areas of FTK application: (FCR-17373)

- From the header of the Case window.
● From the ‘Select case window template’ popup displayed upon opening a case.

![Select case window template popup](image)

● From the ‘Other Applications’ options of the ‘Tools’ tab inside a case.

![Tools tab with Other Applications options](image)

Smart View:

![Smart View interface](image)

*Note:* Refer to the FTK Central 8.0 User Guide for more information.
2. In this release, we've introduced a new feature powered by a Bloom filter that significantly improves system file handling. It efficiently identifies known system files, reducing processing overhead and boosting performance, especially in large datasets. While it enhances efficiency, please remember to verify files suggested by the Bloom filter to ensure accuracy. Setup of KFF Server is not necessary to use this feature. It is built in FTK Processing engine. *(FCR-14045)*

![FTK Evidence Processing](image)

3. FTK has been enhanced to support VLC media player to seamlessly play all audio and video files. *(FCR-15730)*

4. FTK can now automatically clean up the Temp folders of completed job regardless of the intended operation’s result. This should help with better handling of distributed jobs. *(FCR-7315)*
5. You can now change the date format for a Case using the newly introduced ‘Date Format’ field in the ‘New Case Options’ pop-up. For existing cases, you can modify the date format from the ‘Time Display Format’ option under the ‘View’ tab of the case. *(FCR-8534)*

![New Case Options](image)

6. FTK permissions have been enhanced to allow control of which users have the permission to mark files as privileged/unprivileged. *(FCR-8278)*

<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark as Privileged</td>
<td>Only the users with this role can mark an item as ‘Privileged’.</td>
</tr>
<tr>
<td>Mark as Unprivileged</td>
<td>Only the users with this role can mark an item as ‘Unprivileged’.</td>
</tr>
</tbody>
</table>
7. FTK has been enhanced to support up to 50 million items in a case (irrespective of its size) via PostgreSQL. *(FCR-16057)*

### Performance Metrics

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of evidence in a single case</td>
<td>127</td>
</tr>
<tr>
<td>Number of files in the case / Review Page</td>
<td>50.19 Million (50186006)</td>
</tr>
<tr>
<td>Types of evidences used</td>
<td>Windows, Mac OS, UFDR, Android, iOS, PSTs, Archives etc</td>
</tr>
</tbody>
</table>

8. FTK now supports processing of Slack JSON export files and is capable of parsing chat conversations using ‘Exterro Chat’ parser from the ‘Expansion’ option. *(FCR-11801)*

![Slack JSON export file](image)

9. FTK now supports the following encryption techniques: *(FCR-11785)*
   - Zip Archive created with ZIPCRYPTO encryption.
   - 7Z Archive created with AES-256 encryption.

10. FTK is enhanced to support the parsing of Skype (upto 8.97.0.404 version) data from a Mac device. *(FCR-16253)*

11. FTK is enhanced with a new Windows mapping structure which uses both the Windows events and Events IDs. The categorization is done on the basis of resources taken from SANS Institute data and other research works. *(FCR-12395)*
1.1.2  Site Server and Agent

1. The Site Server is enhanced to allow any port to be utilized for Site server-to-Site server communication; this applies to both root and child Site Servers. \textit{(ER-11463)}

\textbf{Notes:}

- Refer to the Configuring Site Servers article for further information.
- A port is exclusively assigned for Site Server-to-Site Server communication; this port is only for the Site Server being configured.
- The port will be cross-checked against any port used in root and child instances to ensure a unique port is used.
- Additionally, ports used for root and child instances should differ from the assigned 'Public Port'.

2. The Site Server to Agent communication is enhanced with the following: \textit{(ER-11462)}

- Agents now report its GUID to reduce some delay when communicating.

\textbf{Note:} Agents must be reinstalled to take advantage of the enhancements above.

3. FTK is enhanced to automatically restart Agents when it fails to connect to a Public Site Server. \textit{(FCR-15665)}

- If a Public Site Server and ‘retry_failed_attempt’ parameter is passed, an agent will restart automatically once it fails to connect to a Public Site Server after a configured amount of attempts.

\textbf{Note:} Refer to the Manually Installing the Windows Enterprise Agent article for more information.

4. FTK Enterprise 8.0 includes support for DoD STIG Compliance, allowing seamless installation and configuration of our Linux agent in alignment with DoD security standards. \textit{(FCR-15898)}

\textbf{Note:} DISA is part of the Department of Defense (DoD) which includes the Security Technical Implementation Guide (STIG) guidelines and outlines how an organization should handle and manage the security software and systems (for organizing, delivering, and managing the defense related information).

5. Exterro FTK is enhanced to record the logs (with detailed information) for every successful or failed check-ins made to a Public Site Servers. \textit{(FCR-15420)}

6. FTK Enterprise now supports the collection of Red Hat (RHEL 9.x) OS disk images. \textit{(FCR-13604)}

\textbf{Note:} You can refer the Manually Installing Agents on 64-bit Linux Operating Systems article for more information.
7. The Windows Enterprise Agent Version is upgraded to 8.0.0.20.
8. The Site Server Version is upgraded to 8.0.0.309.
9. FTK Agents (RHEL 6/7/8/9) are now enhanced to establish a connection to Site Servers using a custom-defined port. This enhancement is made to improve stability. (FCR-16244) (FCR-13339)

1.1.3 Smart Grid View

Smart Grid View is an easy and efficient way to filter files in a case. Smart Grid View in the FTK Central automatically groups all metadata values and displays them in corresponding columns for easier review. All file metadata is categorized in multiple scrolling grids. You simply need to click and select all values required to form a filter query and view the corresponding set of files.

You can sort, filter, and search for the file details displayed in the ‘Smart Grid View’. (FTKC-24784) (FTKC-25246)

Note: The columns consisting of no values will not be displayed in the ‘Smart Grid View’. (FTKC-24789)
1.1.4 Mobile Forensics

1. FTK is enhanced to support processing of iOS backups of unencrypted/encrypted data from iTunes (iOS mobile devices up to 16.0 (20A362) version). *(FCR-3303)*

2. FTK is enhanced to support image processing of unencrypted file system images obtained from Cellebrite. *(FCR-9647)*

3. FTK is now enhanced to parse the following artifacts for the ‘Mobile Phone (iOS) Biome Application Information’ in the ‘System Summary’ pane: *(FCR-15648)*

   - Biome AppInFocus
   - Biome AppInstall
   - Biome Backlight Public
   - Biome Battery Percentage
   - Biome Device PluggedIn
   - Biome Hardware Reliability
   - Biome Notifications Public
   - Biome Now Playing Public
   - Biome Text Input Sessions
   - Biome User Activity Metadata
   - Biome WIFI
   - Application Intent

*Note: You can refer to the Exterro FTK Suite 8.0 - Artifacts Guide for more details.*
4. The following artifacts have been introduced for ‘Location’ related data: *(FCR-15592)*

a) iOS:

**Find My Information:**
- Owner Information
- Device Information List
- Device Information
- Device Address
- Device Location
- Crowd Source Location

**iOS Media Information:**
- Business Category Cache
- Location Information
  - Location Cache
  - Reverse Geo Location Information
    - Reverse Geo Location
    - Postal Address
    - Final Place
    - Sorted Place
    - Backup Place
- Public Event Query Location

**Mobile Phone(iOS) Network Information**
- iOS Mobile WiFi-Access Point
b) Android:

**Android Media Information:**
- Geo Tagged Media
- First Party-Geo Tagged Media

**Weather Clock Application:**
- Weather Content
- Weather Daily Information
- Weather Hourly Information
- Weather Information

**Mobile Phone (Android) Google Map:**
- Android Mobile GMAP Cached Search History

5. You can now export the HEIC converted images as JPG using the newly introduced ‘Export HEIC as JPG’ file option from the ‘Export’ window. (**FCR-12661**)
6. The Native View of the Chat conversations has been enhanced to provide users with a near native experience of the source chat application for easy reviewing. **(FCR-13186)**

- The following information are displayed in the Native view’s header specifically for chat conversations:
  - The chat application’s name.
  - The total number of messages present in the selected conversation.
  - The participants of the conversation.
  - The date and time of the first and last chats in the Conversation.
  - The ‘Attachment(s)’ button to click and view all the attachments in the conversation.

  **Note:** While viewing the attachments, you can click on the ‘Filter conversations around this attachment’ button to navigate and view the chat associated with the attachment in the Native view.
7. The ‘Evidence Processing’ section is now enhanced with an additional Processing Profile, ‘Mobile Processing’ to process the mobile evidence efficiently. In this profile, basic parsing, system summary, and indexing options are selected by default. The Expansion options include the following: *(FCR-16980)*

- Exterro Chat Parser
- Browser-related data (Including Google Chrome, Firefox, and Safari)
- All the archive types (ZIP, RAR, TAR, GZIP)
- iOS and Android backups
8. FTK is enhanced to automatically select UFDR and XRY Expansion options while processing the corresponding files to simplify the processing workflow. *(FCR-18790)*
9. FTK is enhanced to parse data for the below mentioned iOS and Android applications:

<table>
<thead>
<tr>
<th>App Name</th>
<th>Android</th>
<th>Latest Supported App Version (Android)</th>
<th>iOS</th>
<th>Latest Supported App Version (iOS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Teams</td>
<td>Microsoft Teams Attachment</td>
<td>1416/1.0.0.2023072702</td>
<td>Microsoft Teams Attachment</td>
<td>5.8.0</td>
</tr>
<tr>
<td></td>
<td>Microsoft Teams Calls</td>
<td></td>
<td>Microsoft Teams Calls</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microsoft Teams Contact</td>
<td></td>
<td>Microsoft Teams Contact</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microsoft Teams Conversation</td>
<td></td>
<td>Microsoft Teams Conversation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microsoft Teams Group Conversation</td>
<td></td>
<td>Microsoft Teams Group Conversation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microsoft Teams Messages</td>
<td></td>
<td>Microsoft Teams Messages</td>
<td></td>
</tr>
<tr>
<td>LinkedIn</td>
<td>LinkedIn - Attachment</td>
<td>4.1.818.1</td>
<td>LinkedIn - Attachment</td>
<td>9.1.318</td>
</tr>
<tr>
<td></td>
<td>LinkedIn - Contact</td>
<td></td>
<td>LinkedIn - Contact</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LinkedIn - Conversation</td>
<td></td>
<td>LinkedIn - Conversation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LinkedIn - Messages</td>
<td></td>
<td>LinkedIn - Messages</td>
<td></td>
</tr>
<tr>
<td>Uber</td>
<td>Uber Account</td>
<td>4.492.10000</td>
<td>Uber cached Location’s</td>
<td>3.580.10001</td>
</tr>
<tr>
<td></td>
<td>Uber Cached Place</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Uber Cached shortcuts</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Tiktok</td>
<td>TikTok Contact</td>
<td>25.6.4</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TikTok Conversation</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TikTok Messages</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>App Name</td>
<td>Android</td>
<td>Latest Supported App Version (Android)</td>
<td>iOS</td>
<td>Latest Supported App Version (iOS)</td>
</tr>
<tr>
<td>----------</td>
<td>---------</td>
<td>---------------------------------------</td>
<td>-----</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Twitter tweets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twitter Information</td>
<td></td>
<td>Twitter Information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twitter User Information</td>
<td></td>
<td>Twitter User Information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td>Twitter Banner Media Entity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td>Twitter Status Information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twitter Interest Topic</td>
<td>9.87.0-release.0</td>
<td>Twitter Link URLs</td>
<td>9.56.1</td>
<td></td>
</tr>
<tr>
<td>Twitter Live Events</td>
<td></td>
<td>Twitter Media</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twitter Tweets</td>
<td></td>
<td>Twitter Tweets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td>Twitter Structured Locations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td>Twitter URL Entity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twitter User</td>
<td></td>
<td>Twitter User</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td>Twitter User Birthday</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1.1.5 Language Identification

1. The ‘Language Identification’ feature in FTK is now enhanced to identify and display up to 5 languages present in a file. *(FCR-8913)*
1.1.6 FTK Portable Case

1. The workflow involved in creating a Portable Case has now been modified for a better user experience. You can now enable the newly introduced ‘Portable Case’ format option from the ‘Report Output’ pop-up (Files > Reports) to configure and generate a new Portable Case with the required files. *(FCR-14424)*

*Note: As a part of this enhancement, the ‘Create Portable Case’ button has been removed from the ‘Files’ menu.*
2. The ‘startftkplus.bat’ file intended to Launch the application is now renamed as ‘Launch FTK Portable Case.bat’.  
   (*FCR-15835*)

3. FTK Portable Case’s logging capabilities are now improved. (*FCR-13897*)

4. You are now provisioned with the option to create a Sub Portable Case i.e., creating a Portable Case using the files filtered from an existing Portable Case. (*FCR-12031*)
5. Upon applying any filters to the item list in the FTK Portable Case, the count of the associated filters will be updated dynamically in the ‘Filters’ panel. \(\textit{FCR-16353}\)

6. ‘Create Searchable Index’ and ‘Index Binary’ options are newly displayed on the ‘Sub Portable Case’ pop-up window for you to specifically search the sub portable case items. \(\textit{FCR-17303}\)

\textit{Note:} The corresponding \texttt{subportablecasecreation.log} will also have these details.

7. FTK Portable Case is enhanced to display the File icons in the ‘File Type’ column. \(\textit{FCR-17726}\)

8. FTK Portable Case is enhanced to check and install the required prerequisites automatically. \(\textit{FCR-16833}\)
1.1.7 Filters

1. A new panel, ‘Filters’ is introduced in the Portable Cases to filter the files using the predefined set of filter options available in the panel. *(FCR-13887)*
1.1.8 Review

1. The ‘Restore Default Layout’ option is newly introduced in the Portable Cases to restore the rearranged viewers to the default state. *(FCR-16578)*
2. The following viewer types are newly introduced for the Portable Cases to view the corresponding information:

**(FCR-12793)**

- Chat – To view chat and message file types.
- Hex – To view files in Hexadecimal format.
- Contact – To view the contact file types.
- Web – To view web page files.
- Video – To view video file types.
- OCR Text - To view text extracted from image files.
3. FTK Portable Case is now enhanced to generate and display thumbnails for the video files. *(FCR-15851) (FCR-15830)*
1.1.9 Search Functionalities

1. The search operation speed in the Portable Case is improved. *(FCR-12605)*

2. You are provisioned with the option to create a searchable index for a Portable Case. To do so, check the newly introduced ‘Create Searchable Index’ option while creating the Portable Case. *(FCR-14783)*

3. For accurate filtering, the AND and OR Boolean operators are newly introduced against the search bar to flawlessly perform nested searches in Portable cases. *(FCR-13915)*
1.1.10 ‘Item List’ Panel

1. The following column options are newly introduced in the Item List of Portable Case: *(FCR-13655)*
   
   - **Auto Column** – Enabling this option will automatically add/remove columns in the Item List to match the file types selected.
   
   ![Auto Column Example](image1)

   - **Custom Column** – To create customized column templates.
   
   ![Custom Column Example](image2)
2. Checking/unchecking items in the ‘Item List’ viewer of Portable Cases is now enhanced by introducing the following options: *(FCR-15676)*
   - All In Current List – To only check/uncheck items that displayed on the page the user is currently on.
   - All in Case – To check/uncheck all the items that are part of the Portable Case.

![Item List with Enhanced Options](image)

3. A new column, ‘Hit Count’ is introduced in the Item List panel to display the number of search term occurrences present in the corresponding file. This column will be displayed only when a search is performed. *(FCR-16706)*

4. You can now view the regions and cities associated with the files present in a Portable Case. You can view the information from the newly introduced ‘GeoTagRegion’ and ‘GeoTagCity’ columns in the Item List. *(FCR-15827)*
5. You can now export the items present in a Portable Case as a ZIP file. To do so, enable the newly introduced ‘Export to ZIP’ option while performing the Export operation. *(FCR-14095) (FCR-14587)*
1.1.11 Technical Enhancements

1. The installer will now perform an automatic check-up of the installation environment before the installation. This provides the user with all specifications (such as RAM, CPU Cores, and STATE/TEMP space) of the system on which the application will be installed and provides some minimum recommendations. (FCR-13826)

   *Note: You can refer to the FTK 8.0 Installation Guide for more information.*

2. ABBYY FineReader is upgraded to the 12.5.15.0 version. (FCR-8878)

   *Note: Customers who are using ABBYY for OCR jobs are recommended to upgrade your ABBYY FineReader to the aforementioned version for continued support.*

3. The latest FTK installer includes support for the latest 64-bit version of VLC (media player), 3.0.17.4. During the installation, you will be automatically prompted to upgrade to or install the latest VLC version. (FCR-12006)

4. FTK application is now compatible on the following operating systems for installation:
   - Windows 11 operating systems (FCR-16237)
   - Windows Server 2022 (FCR-17893)

5. FTK has now added support for RDSv3 SQLite3 formatted NIST NSRL with KFF. (FCR-12431)

   *Note: You can refer to the KFF 7.6 (Support for SQLite Hash Sets) for more information.*

6. FTK now supports migration of cases from Postgres 11.2 to Postgres 14. (FCR-12658)

   *Note: You can refer to the FTK PostgreSQL Migration Guide for more information.*

7. FTK is enhanced to parse the Volume Serial Number (VSN) of USB devices from event logs. (FCR-15390)

8. Granularized agent management permissions have been added to 'Configuration Rights'. Creating, editing and deleting agents will require appropriate permissions to be applied. (FCR-15619)
9. The FTK_Log.txt file has been enhanced with the following changes: *(FCR-12128) (FCR-13821) (FCR-13820) (FCR-13823) (FCR-14179)*

- By default, a comprehensive logging of all the activities performed in a case is enabled.
- The maximum size of a file is set to be 48MB, beyond which a new log file (ftk_log.<timestamp>.txt) will be created and recorded.
- The logs are now recorded in a user-friendly language.
- The debug log & JobProgressInformation log files are created inside the case folder upon processing the evidence.
- All the logs of a case are now downloadable in a ZIP file by clicking the download button against the Collect logs field.
- For more details, refer to the *FTK Evidence Processing Logs Guide*. 
2 Resolved Issues

1. Resolved an issue where the users were not able to perform the Index search operations with Chinese characters. *(FCR-3180)*
2. Resolved an issue where the FTK Imager did not display the exFAT directories created using macOS. This issue occurred only when the exFAT formatting was created via macOS 11 (Big Sur) and macOS 12 (Monterey). *(FCR-7235)*
3. Resolved an issue where the Provenance and Data provenance were incorrectly pointing to the Processed Case File path instead of the actual path. *(FCR-8761)*
4. Resolved an issue where FTK was utilizing high RAM while processing UFDRs with a large number of attachments. *(FCR-13825)*
5. Resolved a sporadic issue where the content of PDF files was not properly aligned while viewing it from the FTK ‘File Content’ pane. *(FCR-13628)*
6. Resolved an issue where the sorting of the ‘Disk Capacity’ column was incorrect. *(FCR-13738)*
7. Resolved an issue where FTK Lab was initiating repetitive queries to the database while an Index search was performed. *(FCR-15025)*
8. Resolved an issue where the FTK application was utilizing high RAM upon processing Grayshift Mobile Images with a large number of attachments. *(FCR-17205)*
9. Resolved an issue where the metadata of a .doc file was not parsed into the Microsoft Office Metadata property set. *(FCR-19179)*
10. Resolved an issue where the collection failed or was only partially collected upon collecting a full Disk Linux agent. *(FCR-19182)*
11. Resolved an issue where an error occurred while restoring the backup Case. *(FCR-18632)*
12. Resolved an issue where the parsing/extraction of mobile data failed for the XRY file. *(FCR-18920)*
13. Resolved an issue where the FTK Agent was waking up endpoints from sleep due to logging. *(FTKC-23090)*
14. Resolved an issue where the unencrypted ZIPs were incorrectly identified as encrypted ZIP files. *(FTKC-23090)*
15. Resolved an issue where the FTK application was not able to parse Metadata for the .doc files. *(FCR-19179)*
16. Resolved an issue where the Temp directories were occupying more space while processing the ZIP files. *(FCR-10238)*
17. Resolved an issue where the complete path for ‘Reg Key’, ‘Data Provenence’, and ‘Bag slot’ of Shellbag was not tagged in the FTK application. *(FCR-12303)*
18. Resolved an issue where the FTK application was not able to acquire the files with International characters from macOS Ventura. *(FCR-14728)*
19. Resolved an issue where the number of search hits and counts of the indexed ZIP files were not displayed in the ‘Index Search’ tab of a case. *(FCR-15457)*
20. Resolved an issue where the system was not able to recognize the Bitlocker’s primary partition upon loading an .E01 image captured using FTK Imager. *(FCR-19709)*
21. Resolved an issue where the selected columns were not displayed under the ‘Current Visible Columns:’ section of the ‘Select Columns’ pop-up. *(FCR-19678)*
22. Resolved an issue where the excluded filters (the filters unselected after selecting all the filters) operations were also performed for Labels and Bookmarks. *(FCR-19639)*
23. Resolved an issue where the filtered Text view was blank upon performing a search operation. *(FCR-19531)*
24. Resolved an issue where the Temp Drive was running out of disk space and the RAM utilization was more than 90% upon running an AA job on a case. *(FCR-18879)*
25. Resolved an issue where the users were not able the decrypt the Apple File System (APFS) drive and also the Metadata for the image was missing. *(FCR-16964)*
26. Resolved an issue where the ‘Word’ option was not displayed in the ‘Report Format’ drop-down field while creating a report. *(QR-4475)*
27. Resolved an issue where users with the ‘View Tags’ and ‘Assign Tags’ role were not able to view or access the coding panel. *(FTKC-23085)*
28. Resolved an issue where the creation of DAT type load file for an export was being processed indefinitely. *(FTKC-24450)*
29. Resolved an issue where the removed columns reappeared automatically upon sorting the columns. *(FCR-19544)*
30. Resolved an issue where the FTK application was not able to recognize multiple partitions of Bitlocker produced image. *(FCR-20716)*
31. Resolved an issue where the bookmarks applied to a file were not displayed in the ‘Bookmarks’ column of Item List until the page is refreshed. *(FCR-15845)*
32. Resolved an issue where the ‘Actual Source File’ and ‘Child Items’ options were disabled in the ‘Create New Bookmark’ pop-up. *(FCR-15811)*
33. Resolved an issue where the CPU memory was completely utilized while processing UFDR files in FTK. *(FCR-14364) (FCR-14114)*
34. Resolved an issue where the FTK Lab application crashed when a user tried to add multiple Active Directory custodian groups to a case. (*FCR-15024*)

35. Resolved an issue where the FTK application crashed while trying to cache large volumes of attachments from the iOS device. (*FCR-17205*)

36. Resolved an issue where the FTK Lab application’s response was slow in the Active Directory environment. (*FCR-16017*)

37. Resolved an issue where the options configured in the ‘Lab / eDiscovery Options’ section of a processing profile were not saved. (*FCR-12922*)

38. Resolved an issue where the contents of ‘Viewer’ panel was misaligned for the following ‘Viewer’ types: (*FCR-16931*)
   - Chat
   - Contact
   - Video

   This issue occurred only when the ‘Viewer’ panel was placed on the right side of the application screen.

39. Resolved an issue where container files were also hidden in the Item List upon clicking on the ‘Hide Folders’ option. (*FCR-16294*)

40. Resolved an issue where all the items checked in the ‘Item List’ were reset/cleared upon closing and reopening the Portable Case. (*FCR-17177*)

41. Resolved an issue where some of the logs in an EVTX file were not parsed by the FTK application. (*FCR-15146*)

42. Resolved an issue where an incorrect value was displayed in the ‘Total editing time’ field of ‘Properties’ tab in the FTK application. This issue occurred only for the Microsoft Office files. (*FCR-13834*)

43. Resolved an issue where the number ‘0’ was prefixed to the values displayed in the ‘Vol serial#’ column in the ‘File List’. This issue occurred only for the ‘Jump List’ and ‘Link’ file types. (*FCR-14622*)

44. Resolved an issue where an invalid user named ‘Accessdata admin’ was additionally displayed in the ‘Associate Users’ section displayed while restoring a case. (*FCR-14273*)

45. Resolved an issue where collection of OneDrive folders from the Mac devices failed due to read-only access. (*FCR-16756*)

46. Resolved an issue where the Agent last contacted details for a Physical Laptop was not updated and its corresponding jobs were not executed. (*ER-13545*)
47. Resolved an issue where the ‘Selected ColumnSet’ name was not displayed on the ‘Selected Columns’ pop-up of FTK Portable Cases. *(FCR-20644)*

48. Resolved an issue where the below mentioned file types were excluded from the FTK Portable Case generation: *(FCR-13713)*
   - File System Slack
   - Slack Space
   - Unallocated Space
   - Unpartitioned Space

49. Resolved an issue where the Memory Analysis failed on the below mentioned versions of Windows: *(FCR-15453)*
   - Microsoft Windows 10 (20H2, 21H2, 22H2)
   - Microsoft Server 2019
   - Microsoft Server 2016
   - Microsoft Windows 11 (22H2)

50. Resolved an issue where there was a considerable delay in loading and displaying of (iTunes encrypted) Chat Messages under the ‘File Contents’ tab of Mobile Data of FTK. *(FCR-17934)*
3 Limitation

1. The 'Open With' option is not displayed while right-clicking on the files in the Thumbnails panel in FTK Portable Case. However, you can perform this action for the required files in the Item List. (FCR-17947)
Contact Exterro

If you have any questions, please refer to this document, or any other related materials provided to you by Exterro. For usage questions, please check with your organization’s internal application administrator. Alternatively, you may contact your Exterro Training Manager or other Exterro account contact directly.

For technical difficulties, support is available through support@exterro.com.

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