ORDINE DEGLI
AVVOCATI DI MILANO

Procura della Repubblica
presso il Tribunale Ordinario di Milano
~ Squadra Reati Informatici ~

Il Fascicolo delle Indagini Preliminari Digitali: nuove sfide della Riforma Cartabia

Luogotenente GDF Davide D’Agostino
Coordinatore Squadra Reati Informatici Procura della Repubblica Milano

Milano 12 gennaio 2023

Copie forensi e software

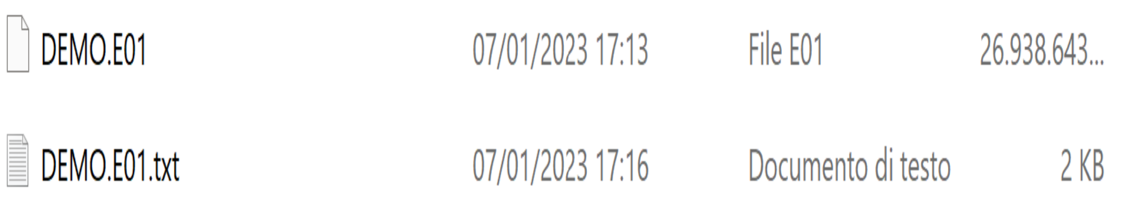
- AccessData FTK Imager
- Magnet Axiom
- Cellebrite Ufed
- Cellebrite Pysical Analyzer
- Cellebrite Ufed Reader

Copie forensi

- Cosa sono
- Come si realizzano
- Come posso consultarle

Copie forensi

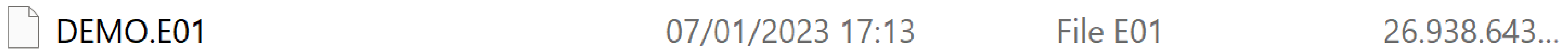
- **Cosa sono**



DEMO.E01	07/01/2023 17:13	File E01	26.938.643...
DEMO.E01.txt	07/01/2023 17:16	Documento di testo	2 KB

Copie forensi

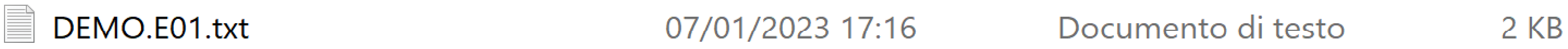
- **Cosa sono**



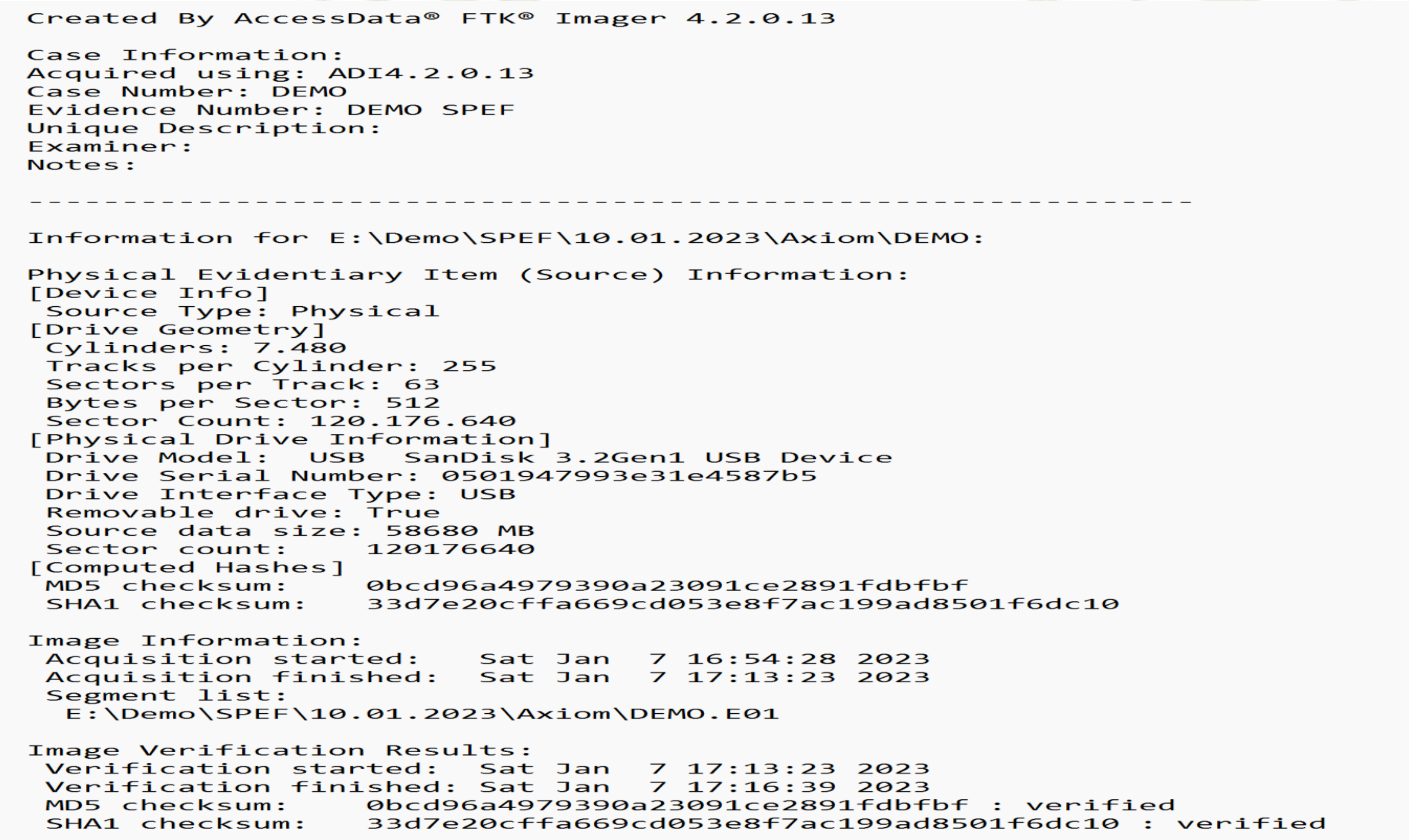
DEMO.E01 07/01/2023 17:13 File E01 26.938.643...

Copie forensi

- **Cosa sono**



DEMO.E01.txt 07/01/2023 17:16 Documento di testo 2 KB



```
Created By AccessData® FTK® Imager 4.2.0.13

Case Information:
Acquired using: ADI4.2.0.13
Case Number: DEMO
Evidence Number: DEMO SPEF
Unique Description:
Examiner:
Notes:

--------------------------------------------------------------

Information for E:\Demo\SPEF\10.01.2023\Axiom\DEMO:

Physical Evidentiary Item (Source) Information:
[Device Info]
 Source Type: Physical
[Drive Geometry]
 Cylinders: 7.480
 Tracks per Cylinder: 255
 Sectors per Track: 63
 Bytes per Sector: 512
 Sector Count: 120.176.640
[Physical Drive Information]
 Drive Model:  USB  SanDisk 3.2Gen1 USB Device
 Drive Serial Number: 0501947993e31e4587b5
 Drive Interface Type: USB
 Removable drive: True
 Source data size: 58680 MB
 Sector count:    120176640
[Computed Hashes]
 MD5 checksum:    0bcd96a4979390a23091ce2891fdbfbf
 SHA1 checksum:   33d7e20cffa669cd053e8f7ac199ad8501f6dc10

Image Information:
 Acquisition started:   Sat Jan  7 16:54:28 2023
 Acquisition finished:  Sat Jan  7 17:13:23 2023
 Segment list:
  E:\Demo\SPEF\10.01.2023\Axiom\DEMO.E01

Image Verification Results:
 Verification started:  Sat Jan  7 17:13:23 2023
 Verification finished: Sat Jan  7 17:16:39 2023
 MD5 checksum:    0bcd96a4979390a23091ce2891fdbfbf : verified
 SHA1 checksum:   33d7e20cffa669cd053e8f7ac199ad8501f6dc10 : verified
```

Copie forensi

- **Come si realizzano**

  (strumenti hardware)

TABLEAU
Forensic Duplicator
WRITE-BLOCKED
READ/WRITE

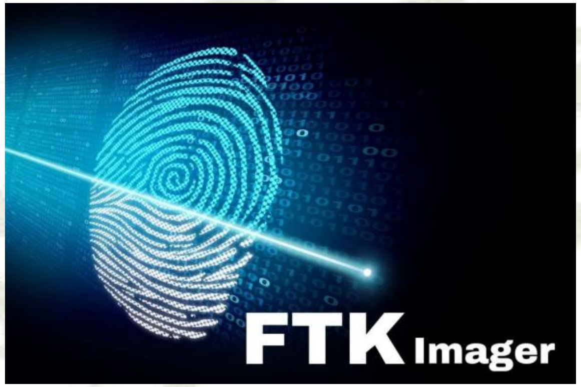
DOSSIER
Logicube

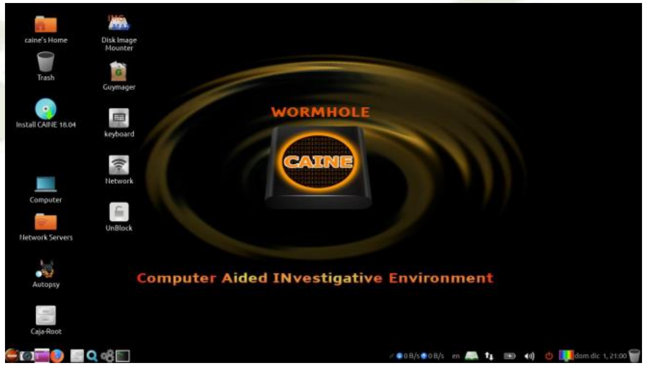
TALON
FORENSIC
GPSTAMP

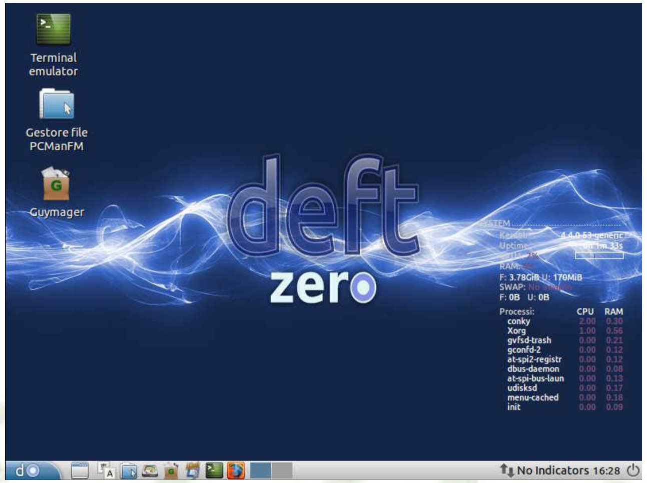
Copie forensi

- **Come si realizzano**

  (strumenti software)



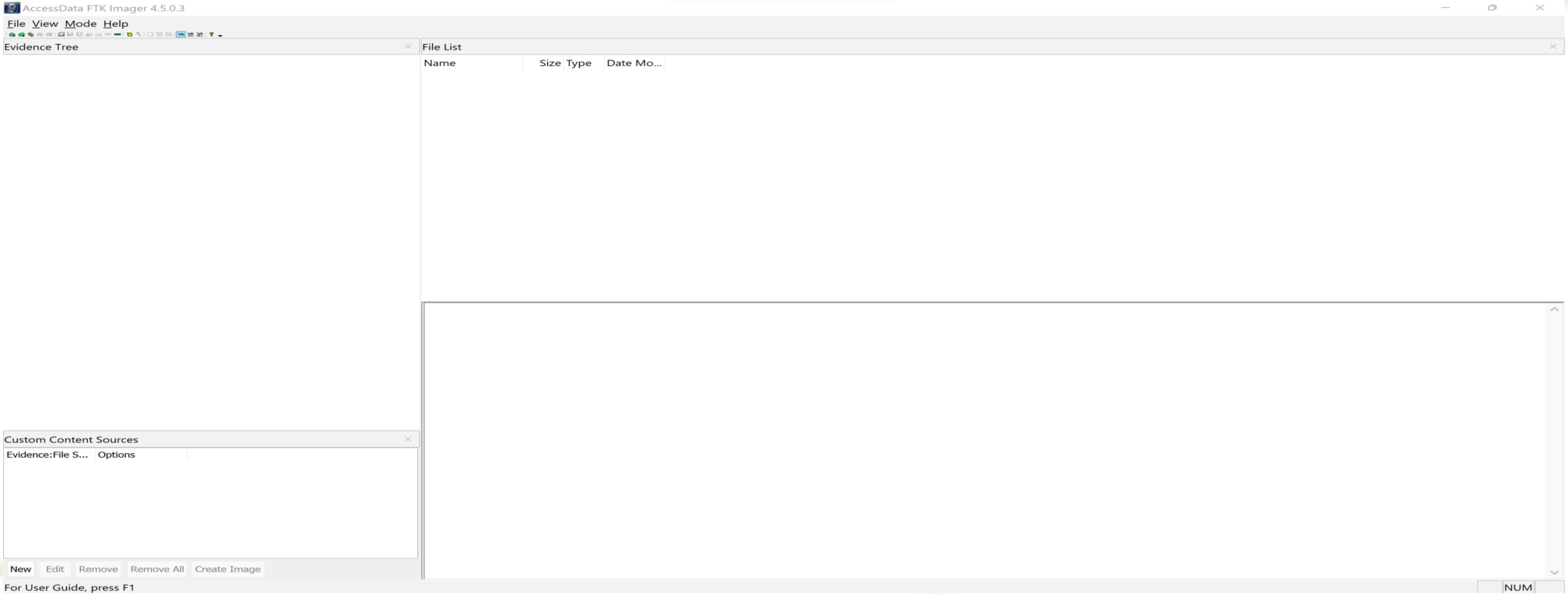

caine's Home
Disk Image Mounter
Trash
Guymager
Install CAINE 10.04
keyboard
Network
Computer
Network Servers
UnBlock
Autopsy
Caja-Root
WORMHOLE
CAINE
Computer Aided INvestigative Environment


Terminal emulator
Gestore file PCManFM
Guymager
deft
zero
No Indicators 16:28

Copie forensi

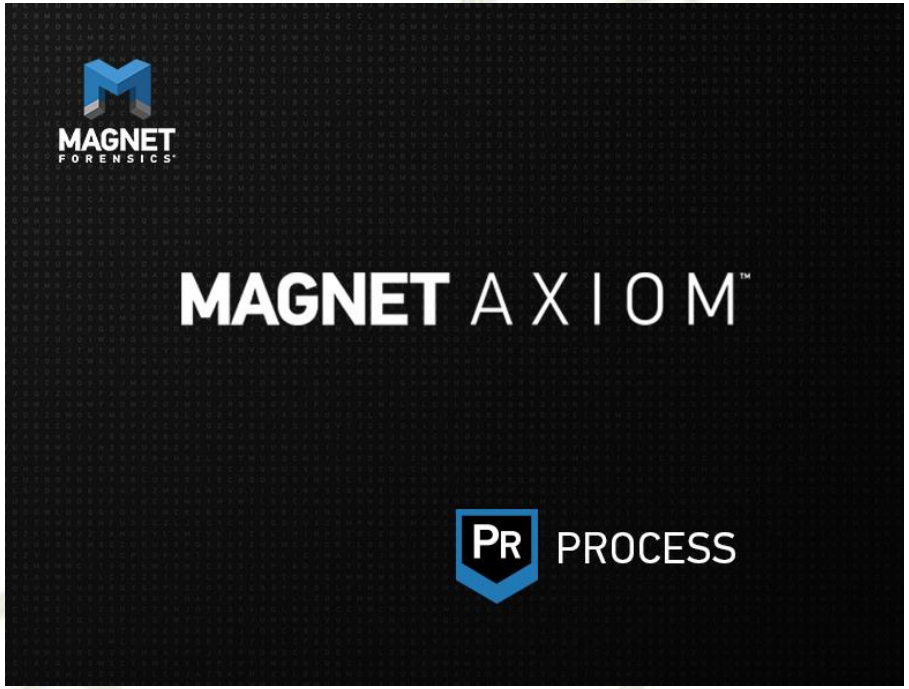
- Come posso consultarle

FTK Imager


AccessData FTK Imager 4.5.0.3
File View Mode Help
Evidence Tree
File List
Name
Size
Type
Date Mo...
Custom Content Sources
Evidence:File S...
Options
New
Edit
Remove
Remove All
Create Image
For User Guide, press F1
NUM

Copie forensi

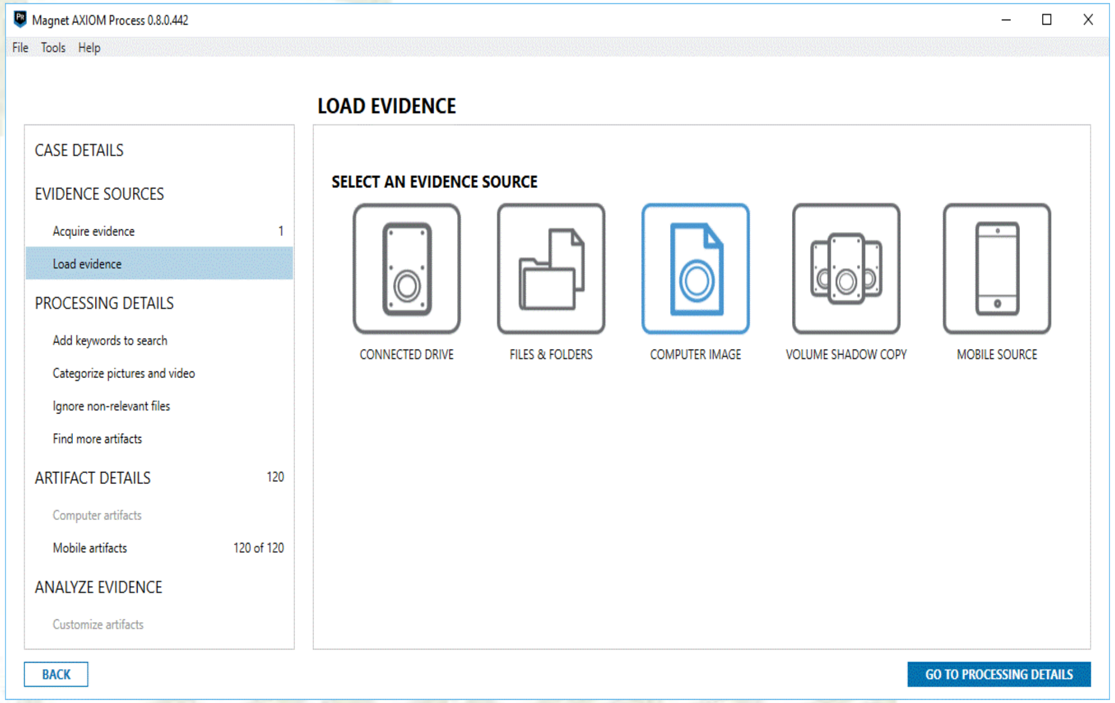
- **Indicizzazione dei dati**


MAGNET FORENSICS
MAGNET AXIOM™
PR PROCESS

MAGNET FORENSICS
MAGNET AXIOM™
EX EXAMINE

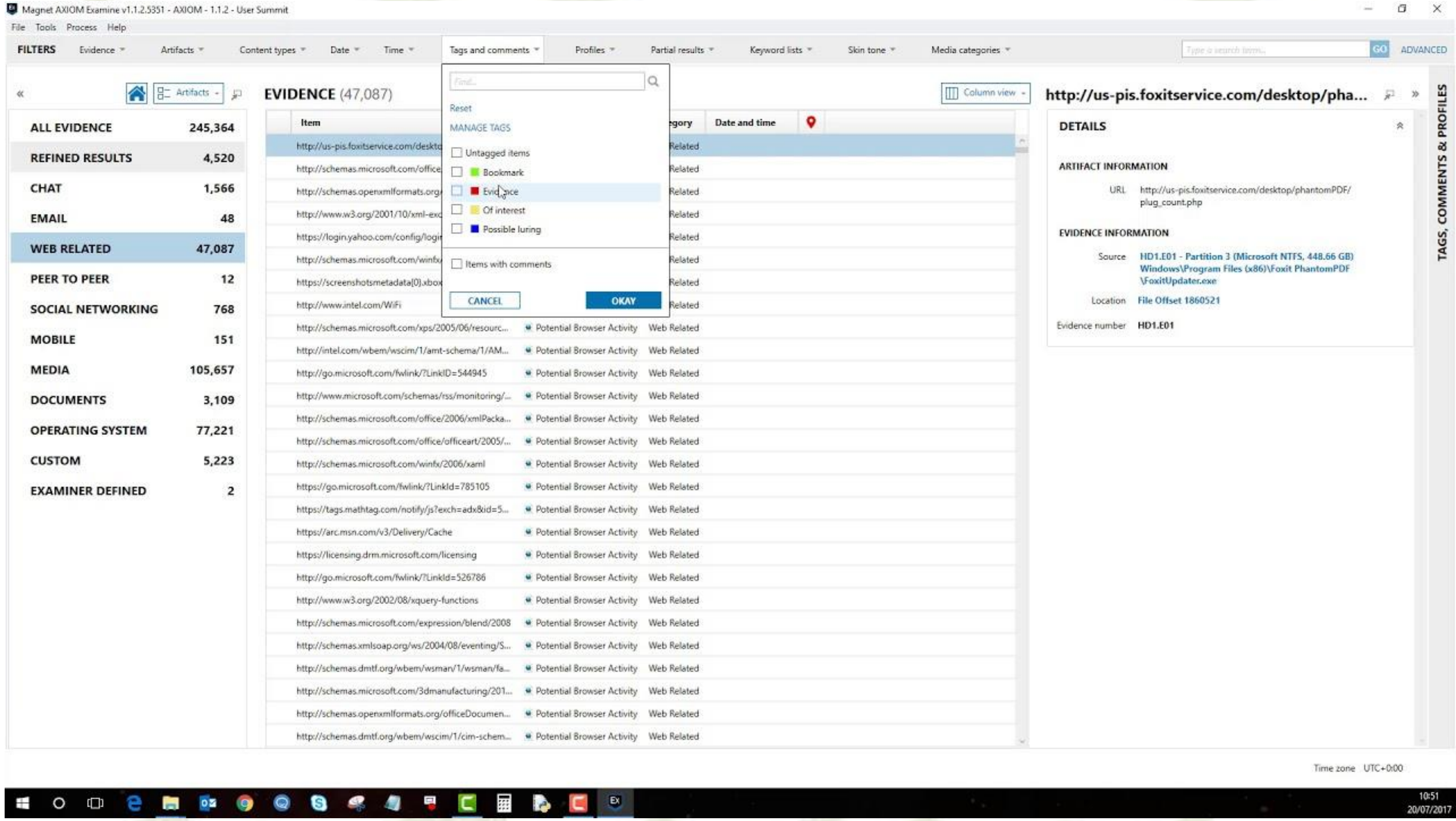
PROCESS

permette di indicizzare i dati contenuti all’interno di CF, file o cartelle


Magnet AXIOM Process 0.8.0.442
File
Tools
Help
LOAD EVIDENCE
CASE DETAILS
EVIDENCE SOURCES
Acquire evidence 1
Load evidence
PROCESSING DETAILS
Add keywords to search
Categorize pictures and video
Ignore non-relevant files
Find more artifacts
ARTIFACT DETAILS 120
Computer artifacts
Mobile artifacts 120 of 120
ANALYZE EVIDENCE
Customize artifacts
SELECT AN EVIDENCE SOURCE
CONNECTED DRIVE
FILES & FOLDERS
COMPUTER IMAGE
VOLUME SHADOW COPY
MOBILE SOURCE
BACK
GO TO PROCESSING DETAILS

EXAMINE

permette di analizzare i file indicizzati con Axiom Process


Magnet AXIOM Examine v1.1.2.5351 - AXIOM - 1.1.2 - User Summit
File
Tools
Process
Help
FILTERS
Evidence
Artifacts
Content types
Date
Time
Tags and comments
Profiles
Partial results
Keyword lists
Skin tone
Media categories
Type a search term...
GO
ADVANCED
Artifacts
Column view
TAGS, COMMENTS & PROFILES
Time zone UTC+0:00
10:51
20/07/2017

ALL EVIDENCE	245,364
REFINED RESULTS	4,520
CHAT	1,566
EMAIL	48
WEB RELATED	47,087
PEER TO PEER	12
SOCIAL NETWORKING	768
MOBILE	151
MEDIA	105,657
DOCUMENTS	3,109
OPERATING SYSTEM	77,221
CUSTOM	5,223
EXAMINER DEFINED	2

Find...

Reset

MANAGE TAGS

☐ Untagged items
☐ 🟩 Bookmark
☐ 🟥 Evidence
☐ 🟨 Of interest
☐ 🟦 Possible luring

☐ Items with comments

CANCEL OKAY

EVIDENCE (47,087)

Item		egory	Date and time
http://us-pis.foxitservice.com/deskto		Related	
http://schemas.microsoft.com/office		Related	
http://schemas.openxmlformats.org		Related	
http://www.w3.org/2001/10/xml-exc		Related	
https://login.yahoo.com/config/logi		Related	
http://schemas.microsoft.com/winfx		Related	
https://screenshotsmetadata[0].xbox		Related	
http://www.intel.com/WiFi		Related	
http://schemas.microsoft.com/xps/2005/06/resourc...	Potential Browser Activity	Web Related	
http://intel.com/wbem/wscim/1/amt-schema/1/AM...	Potential Browser Activity	Web Related	
http://go.microsoft.com/fwlink/?LinkID=544945	Potential Browser Activity	Web Related	
http://www.microsoft.com/schemas/rss/monitoring/...	Potential Browser Activity	Web Related	
http://schemas.microsoft.com/office/2006/xmlPacka...	Potential Browser Activity	Web Related	
http://schemas.microsoft.com/office/officeart/2005/...	Potential Browser Activity	Web Related	
http://schemas.microsoft.com/winfx/2006/xaml	Potential Browser Activity	Web Related	
https://go.microsoft.com/fwlink/?LinkId=785105	Potential Browser Activity	Web Related	
https://tags.mathtag.com/notify/js?exch=adx&id=5...	Potential Browser Activity	Web Related	
https://arc.msn.com/v3/Delivery/Cache	Potential Browser Activity	Web Related	
https://licensing.drm.microsoft.com/licensing	Potential Browser Activity	Web Related	
http://go.microsoft.com/fwlink/?LinkId=526786	Potential Browser Activity	Web Related	
http://www.w3.org/2002/08/xquery-functions	Potential Browser Activity	Web Related	
http://schemas.microsoft.com/expression/blend/2008	Potential Browser Activity	Web Related	
http://schemas.xmlsoap.org/ws/2004/08/eventing/S...	Potential Browser Activity	Web Related	
http://schemas.dmtf.org/wbem/wsman/1/wsman/fa...	Potential Browser Activity	Web Related	
http://schemas.microsoft.com/3dmanufacturing/201...	Potential Browser Activity	Web Related	
http://schemas.openxmlformats.org/officeDocumen...	Potential Browser Activity	Web Related	
http://schemas.dmtf.org/wbem/wscim/1/cim-schem...	Potential Browser Activity	Web Related	

http://us-pis.foxitservice.com/desktop/pha...

DETAILS

ARTIFACT INFORMATION

URL http://us-pis.foxitservice.com/desktop/phantomPDF/plug_count.php

EVIDENCE INFORMATION

Source HD1.E01 - Partition 3 (Microsoft NTFS, 448.66 GB) Windows\Program Files (x86)\Foxit PhantomPDF\FoxitUpdater.exe

Location File Offset 1860521

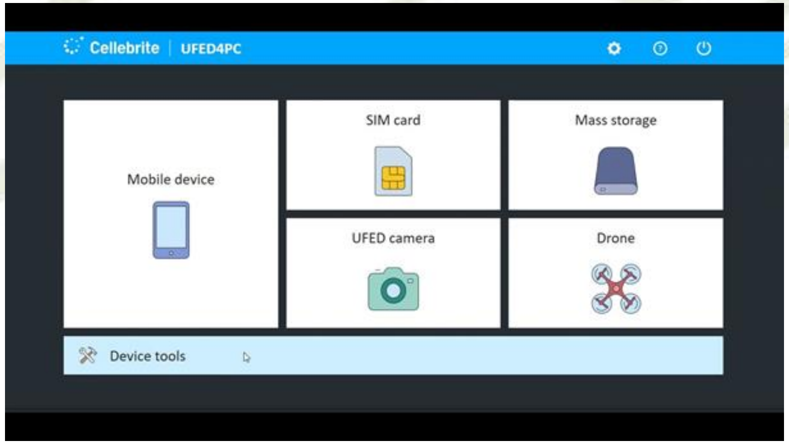
Evidence number HD1.E01

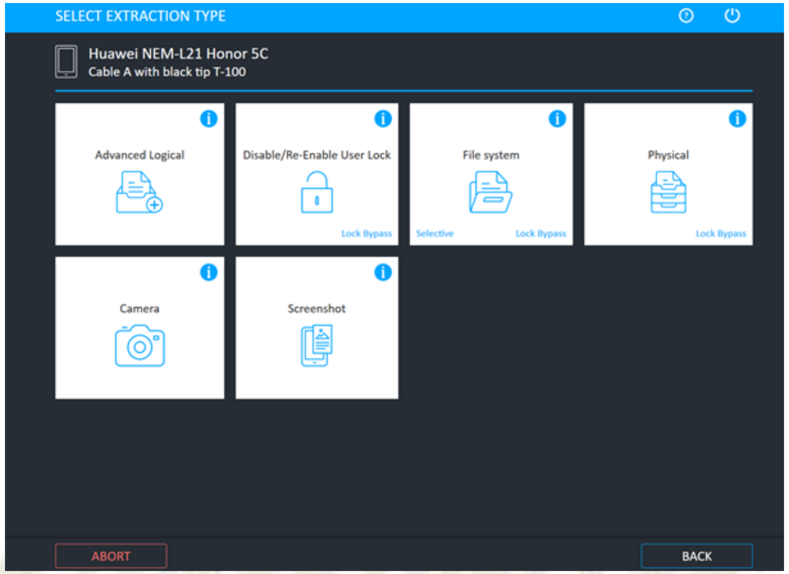
ACQUISIZIONE DEVICE MOBILI

- CELLEBRITE UFED
- MSAB XRY
- OXYGEN FORENSICS SUITE
- GRAYSHIFT GRAYKEY

- **Ufed4PC/Touch**

permette di acquisire i device «mobile» (smartphone, tablet, GPS, droni)

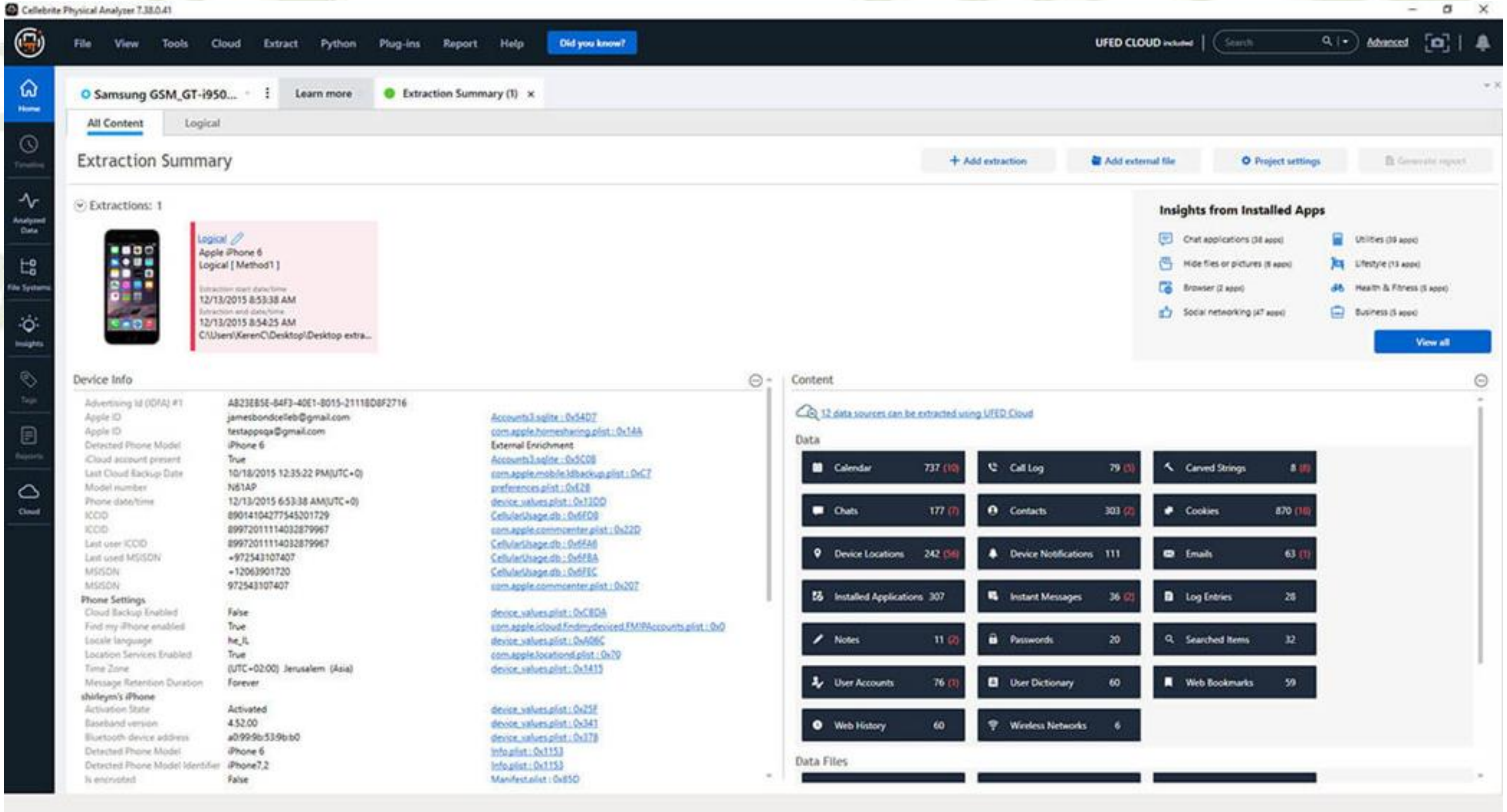

Cellebrite | UFED4PC
Mobile device
SIM card
Mass storage
UFED camera
Drone
Device tools


SELECT EXTRACTION TYPE
Advanced Logical
Disable/Re-Enable User Lock
Lock Bypass
File system
Selective
Lock Bypass
Physical
Lock Bypass
Camera
Screenshot
ABORT
BACK

Huawei NEM-L21 Honor 5C
Cable A with black tip T-100

- **Pysical Analyzer**

permette di indicizzare/ analizzare i device acquisiti con UFED4PC


Cellebrite Physical Analyzer 7.38.0.41
File
View
Tools
Cloud
Extract
Python
Plug-ins
Report
Help
Did you know?
UFED CLOUD included
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
Cloud
Samsung GSM_GT-i950...
Learn more
Extraction Summary (1)
All Content
Logical
+ Add extraction
Add external file
Project settings
Generate report
View all

Extraction Summary

Extractions: 1

Logical
Apple iPhone 6
Logical [Method1]
Extraction start date/time
12/13/2015 8:53:38 AM
Extraction end date/time
12/13/2015 8:54:25 AM
C:\Users\KerenC\Desktop\Desktop extra...

Insights from Installed Apps

Chat applications (38 apps)
Hide files or pictures (8 apps)
Browser (2 apps)
Social networking (47 apps)
Utilities (39 apps)
Lifestyle (13 apps)
Health & Fitness (5 apps)
Business (5 apps)

Device Info

Advertising Id (IDFA) #1	AB23EB5E-84F3-40E1-8015-21118D8F2716	
Apple ID	jamesbondcelleb@gmail.com	Accounts3.sqlite : 0x5407
Apple ID	testappsqa@gmail.com	com.apple.homesharing.plist : 0x14A
Detected Phone Model	iPhone 6	External Enrichment
iCloud account present	True	Accounts3.sqlite : 0x5C08
Last Cloud Backup Date	10/18/2015 12:35:22 PM(UTC+0)	com.apple.mobile.ldbackup.plist : 0xC7
Model number	N61AP	preferences.plist : 0xE28
Phone date/time	12/13/2015 6:53:38 AM(UTC+0)	device_values.plist : 0x13DD
ICCID	89014104277545201729	CellularUsage.db : 0x6FD8
ICCID	89972011114032879967	com.apple.commcenter.plist : 0x22D
Last user ICCID	89972011114032879967	CellularUsage.db : 0x6FA6
Last used MSISDN	+972543107407	CellularUsage.db : 0x6FBA
MSISDN	+12063901720	CellularUsage.db : 0x6FEC
MSISDN	972543107407	com.apple.commcenter.plist : 0x207
Phone Settings		
Cloud Backup Enabled	False	device_values.plist : 0xC8DA
Find my iPhone enabled	True	com.apple.icloud.findmydeviced.FMIPAccounts.plist : 0x0
Locale language	he_IL	device_values.plist : 0xA06C
Location Services Enabled	True	com.apple.locationd.plist : 0x70
Time Zone	(UTC+02:00) Jerusalem (Asia)	device_values.plist : 0x1415
Message Retention Duration	Forever	
shirleym's iPhone		
Activation State	Activated	device_values.plist : 0x25F
Baseband version	4.52.00	device_values.plist : 0x341
Bluetooth device address	a0:99:9b:53:9b:b0	device_values.plist : 0x378
Detected Phone Model	iPhone 6	Info.plist : 0x1153
Detected Phone Model Identifier	iPhone7,2	Info.plist : 0x1153
Is encrypted	False	Manifest.plist : 0x85D

Content

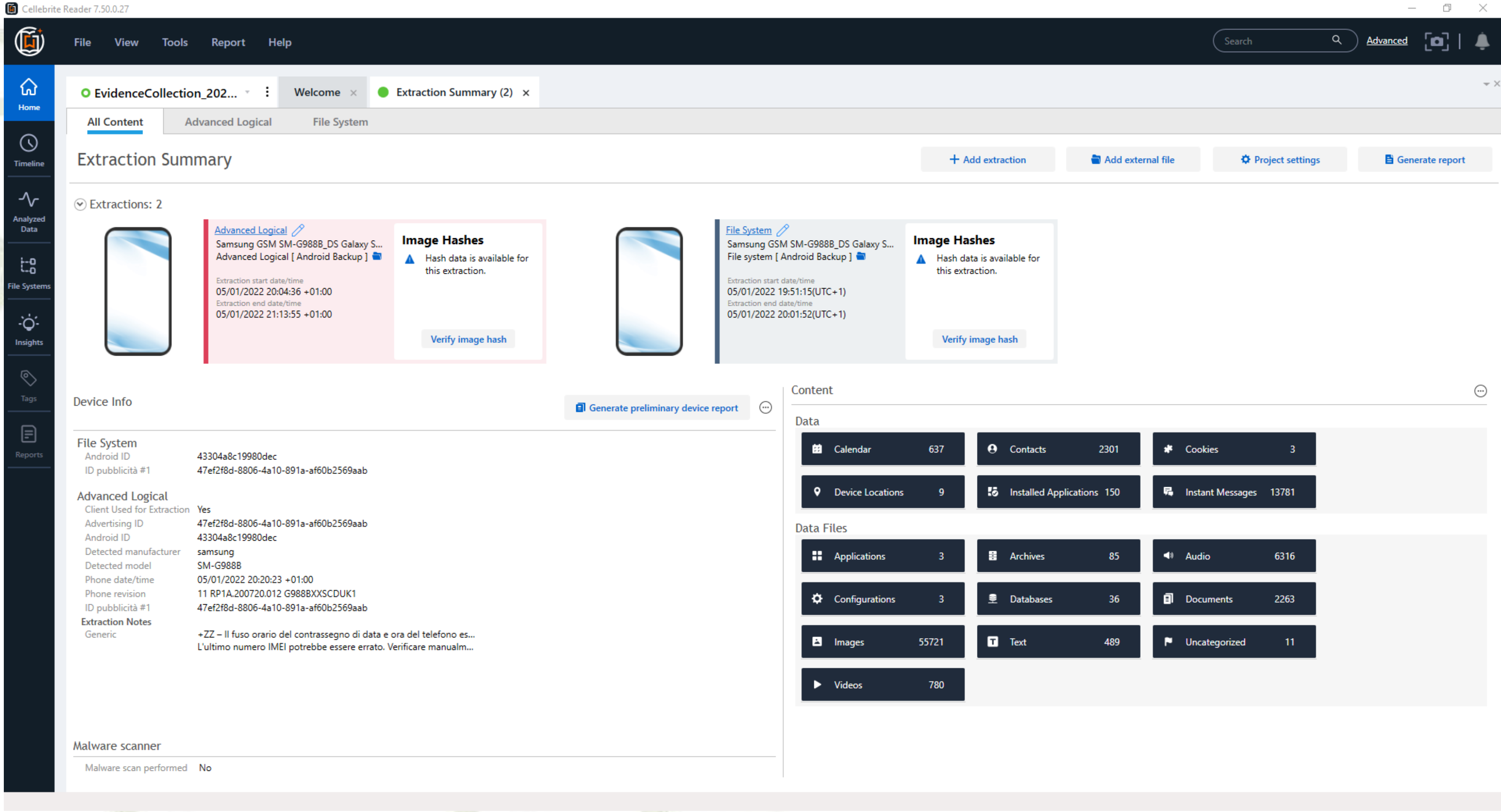
12 data sources can be extracted using UFED Cloud

Data

Calendar 737 (10)	Call Log 79 (5)	Carved Strings 8 (8)
Chats 177 (7)	Contacts 303 (2)	Cookies 870 (18)
Device Locations 242 (56)	Device Notifications 111	Emails 63 (1)
Installed Applications 307	Instant Messages 36 (2)	Log Entries 28
Notes 11 (2)	Passwords 20	Searched Items 32
User Accounts 76 (1)	User Dictionary 60	Web Bookmarks 59
Web History 60	Wireless Networks 6	

Data Files

- **Reader** permette di indicizzare/analizzare i device acquisiti con UFED4PC


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_202...
Welcome
Extraction Summary (2)
All Content
Advanced Logical
File System
Add extraction
Add external file
Project settings
Generate report
Verify image hash
Generate preliminary device report

Extraction Summary

Extractions: 2

Advanced Logical
Samsung GSM SM-G988B_DS Galaxy S...
Advanced Logical [Android Backup]
Extraction start date/time
05/01/2022 20:04:36 +01:00
Extraction end date/time
05/01/2022 21:13:55 +01:00

Image Hashes
Hash data is available for this extraction.

File System
Samsung GSM SM-G988B_DS Galaxy S...
File system [Android Backup]
Extraction start date/time
05/01/2022 19:51:15(UTC+1)
Extraction end date/time
05/01/2022 20:01:52(UTC+1)

Image Hashes
Hash data is available for this extraction.

Device Info

File System

Android ID	43304a8c19980dec
ID pubblicità #1	47ef2f8d-8806-4a10-891a-af60b2569aab

Advanced Logical

Client Used for Extraction	Yes
Advertising ID	47ef2f8d-8806-4a10-891a-af60b2569aab
Android ID	43304a8c19980dec
Detected manufacturer	samsung
Detected model	SM-G988B
Phone date/time	05/01/2022 20:20:23 +01:00
Phone revision	11 RP1A.200720.012 G988BXXSCDUK1
ID pubblicità #1	47ef2f8d-8806-4a10-891a-af60b2569aab

Extraction Notes

Generic	+ZZ – Il fuso orario del contrassegno di data e ora del telefono es... L'ultimo numero IMEI potrebbe essere errato. Verificare manualm...

Malware scanner

Malware scan performed	No

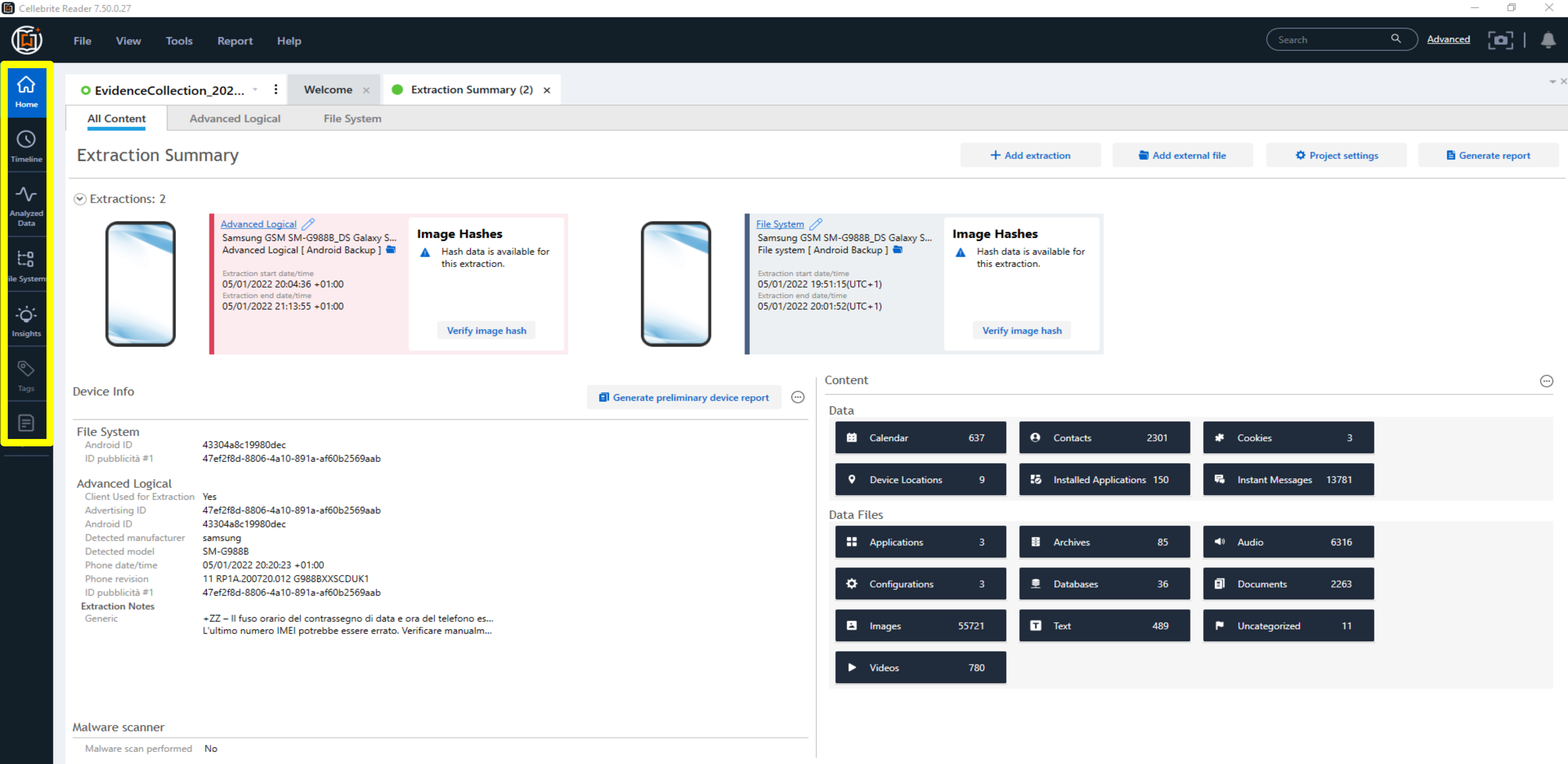
Content

Data

Calendar	637
Contacts	2301
Cookies	3
Device Locations	9
Installed Applications	150
Instant Messages	13781

Data Files

Applications	3
Archives	85
Audio	6316
Configurations	3
Databases	36
Documents	2263
Images	55721
Text	489
Uncategorized	11
Videos	780


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File System
Insights
Tags
EvidenceCollection_202...
Welcome
Extraction Summary (2)
All Content
Advanced Logical
File System
Add extraction
Add external file
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Verify image hash
Generate preliminary device report

Extraction Summary

Extractions: 2

Advanced Logical
Samsung GSM SM-G988B_DS Galaxy S...
Advanced Logical [Android Backup]
Extraction start date/time
05/01/2022 20:04:36 +01:00
Extraction end date/time
05/01/2022 21:13:55 +01:00

Image Hashes
Hash data is available for this extraction.

File System
Samsung GSM SM-G988B_DS Galaxy S...
File system [Android Backup]
Extraction start date/time
05/01/2022 19:51:15(UTC+1)
Extraction end date/time
05/01/2022 20:01:52(UTC+1)

Image Hashes
Hash data is available for this extraction.

Device Info

File System

Android ID	43304a8c19980dec
ID pubblicità #1	47ef2f8d-8806-4a10-891a-af60b2569aab

Advanced Logical

Client Used for Extraction	Yes
Advertising ID	47ef2f8d-8806-4a10-891a-af60b2569aab
Android ID	43304a8c19980dec
Detected manufacturer	samsung
Detected model	SM-G988B
Phone date/time	05/01/2022 20:20:23 +01:00
Phone revision	11 RP1A.200720.012 G988BXXSCDUK1
ID pubblicità #1	47ef2f8d-8806-4a10-891a-af60b2569aab
Extraction Notes	
Generic	+ZZ – Il fuso orario del contrassegno di data e ora del telefono es... L'ultimo numero IMEI potrebbe essere errato. Verificare manualm...

Malware scanner

Malware scan performed	No

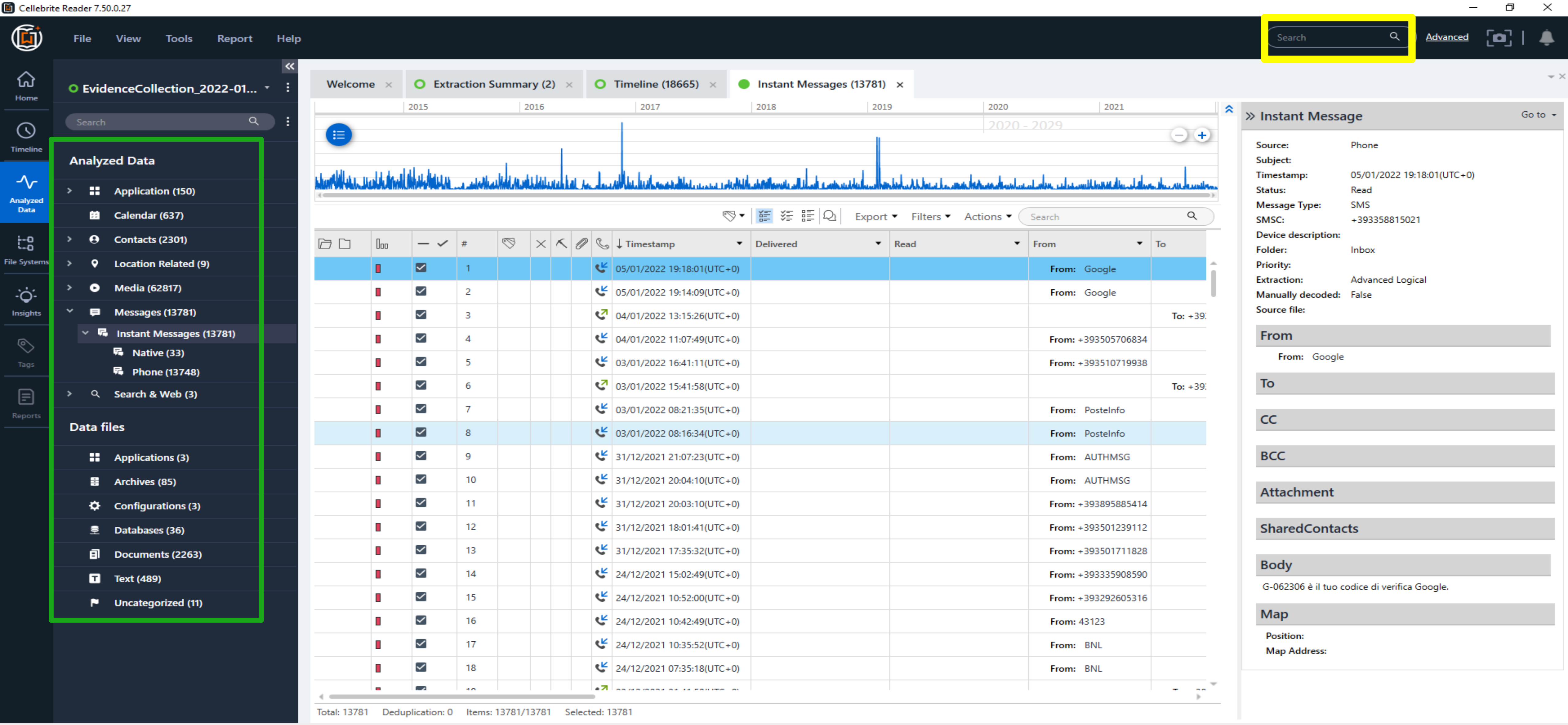
Content

Data

Calendar	637	Contacts	2301	Cookies	3
Device Locations	9	Installed Applications	150	Instant Messages	13781

Data Files

Applications	3	Archives	85	Audio	6316
Configurations	3	Databases	36	Documents	2263
Images	55721	Text	489	Uncategorized	11
Videos	780				


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Welcome
Extraction Summary (2)
Timeline (18665)
Instant Messages (13781)
2015
2016
2017
2018
2019
2020
2021
2020 - 2029
Export
Filters
Actions
Search
Go to

Analyzed Data

- Application (150)
- Calendar (637)
- Contacts (2301)
- Location Related (9)
- Media (62817)
- Messages (13781)
  - Instant Messages (13781)
    - Native (33)
    - Phone (13748)
- Search & Web (3)

Data files

- Applications (3)
- Archives (85)
- Configurations (3)
- Databases (36)
- Documents (2263)
- Text (489)
- Uncategorized (11)

#	Timestamp	Delivered	Read	From	To
1	05/01/2022 19:18:01(UTC+0)			From: Google	
2	05/01/2022 19:14:09(UTC+0)			From: Google	
3	04/01/2022 13:15:26(UTC+0)				To: +39
4	04/01/2022 11:07:49(UTC+0)			From: +393505706834	
5	03/01/2022 16:41:11(UTC+0)			From: +393510719938	
6	03/01/2022 15:41:58(UTC+0)				To: +39
7	03/01/2022 08:21:35(UTC+0)			From: PosteInfo	
8	03/01/2022 08:16:34(UTC+0)			From: PosteInfo	
9	31/12/2021 21:07:23(UTC+0)			From: AUTHMSG	
10	31/12/2021 20:04:10(UTC+0)			From: AUTHMSG	
11	31/12/2021 20:03:10(UTC+0)			From: +393895885414	
12	31/12/2021 18:01:41(UTC+0)			From: +393501239112	
13	31/12/2021 17:35:32(UTC+0)			From: +393501711828	
14	24/12/2021 15:02:49(UTC+0)			From: +393335908590	
15	24/12/2021 10:52:00(UTC+0)			From: +393292605316	
16	24/12/2021 10:42:49(UTC+0)			From: 43123	
17	24/12/2021 10:35:52(UTC+0)			From: BNL	
18	24/12/2021 07:35:18(UTC+0)			From: BNL	

Total: 13781 Deduplication: 0 Items: 13781/13781 Selected: 13781

Instant Message

Source: Phone
Subject:
Timestamp: 05/01/2022 19:18:01(UTC+0)
Status: Read
Message Type: SMS
SMSC: +393358815021
Device description:
Folder: Inbox
Priority:
Extraction: Advanced Logical
Manually decoded: False
Source file:

From

From: Google

To

CC

BCC

Attachment

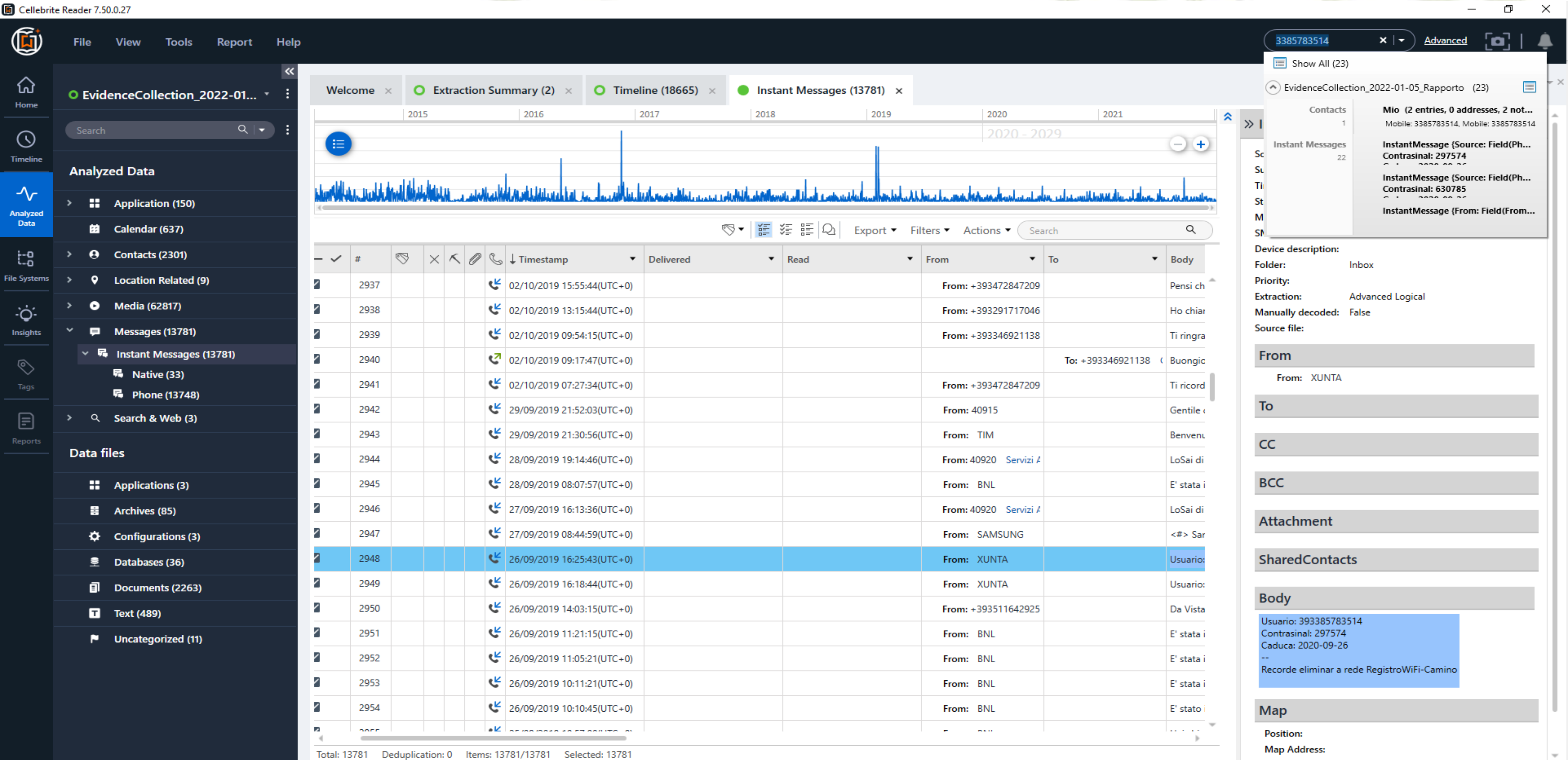
SharedContacts

Body

G-062306 è il tuo codice di verifica Google.

Map

Position:
Map Address:


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
3385783514
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Messages (13781)
Instant Messages (13781)
Native (33)
Phone (13748)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Timeline (18665)
Instant Messages (13781)
2015
2016
2017
2018
2019
2020
2021
2020 - 2029
Export
Filters
Actions
Search

Show All (23)

EvidenceCollection_2022-01-05_Rapporto (23)

Contacts 1	Mio (2 entries, 0 addresses, 2 not... Mobile: 3385783514, Mobile: 3385783514
Instant Messages 22	InstantMessage {Source: Field(Ph... Contrasinal: 297574
	InstantMessage {Source: Field(Ph... Contrasinal: 630785
	InstantMessage {From: Field(From...

#	Timestamp	Delivered	Read	From	To	Body
2937	02/10/2019 15:55:44(UTC+0)			From: +393472847209		Pensi ch
2938	02/10/2019 13:15:44(UTC+0)			From: +393291717046		Ho chiar
2939	02/10/2019 09:54:15(UTC+0)			From: +393346921138		Ti ringra
2940	02/10/2019 09:17:47(UTC+0)				To: +393346921138	Buongic
2941	02/10/2019 07:27:34(UTC+0)			From: +393472847209		Ti ricord
2942	29/09/2019 21:52:03(UTC+0)			From: 40915		Gentile
2943	29/09/2019 21:30:56(UTC+0)			From: TIM		Benvenu
2944	28/09/2019 19:14:46(UTC+0)			From: 40920 Servizi		LoSai di
2945	28/09/2019 08:07:57(UTC+0)			From: BNL		E' stata i
2946	27/09/2019 16:13:36(UTC+0)			From: 40920 Servizi		LoSai di
2947	27/09/2019 08:44:59(UTC+0)			From: SAMSUNG		<#> Sar
2948	26/09/2019 16:25:43(UTC+0)			From: XUNTA		Usuario:
2949	26/09/2019 16:18:44(UTC+0)			From: XUNTA		Usuario:
2950	26/09/2019 14:03:15(UTC+0)			From: +393511642925		Da Vista
2951	26/09/2019 11:21:15(UTC+0)			From: BNL		E' stata i
2952	26/09/2019 11:05:21(UTC+0)			From: BNL		E' stata i
2953	26/09/2019 10:11:21(UTC+0)			From: BNL		E' stata i
2954	26/09/2019 10:10:45(UTC+0)			From: BNL		E' stato

Total: 13781 Deduplication: 0 Items: 13781/13781 Selected: 13781

Device description:
Folder: Inbox
Priority:
Extraction: Advanced Logical
Manually decoded: False
Source file:

From

From: XUNTA

To

CC

BCC

Attachment

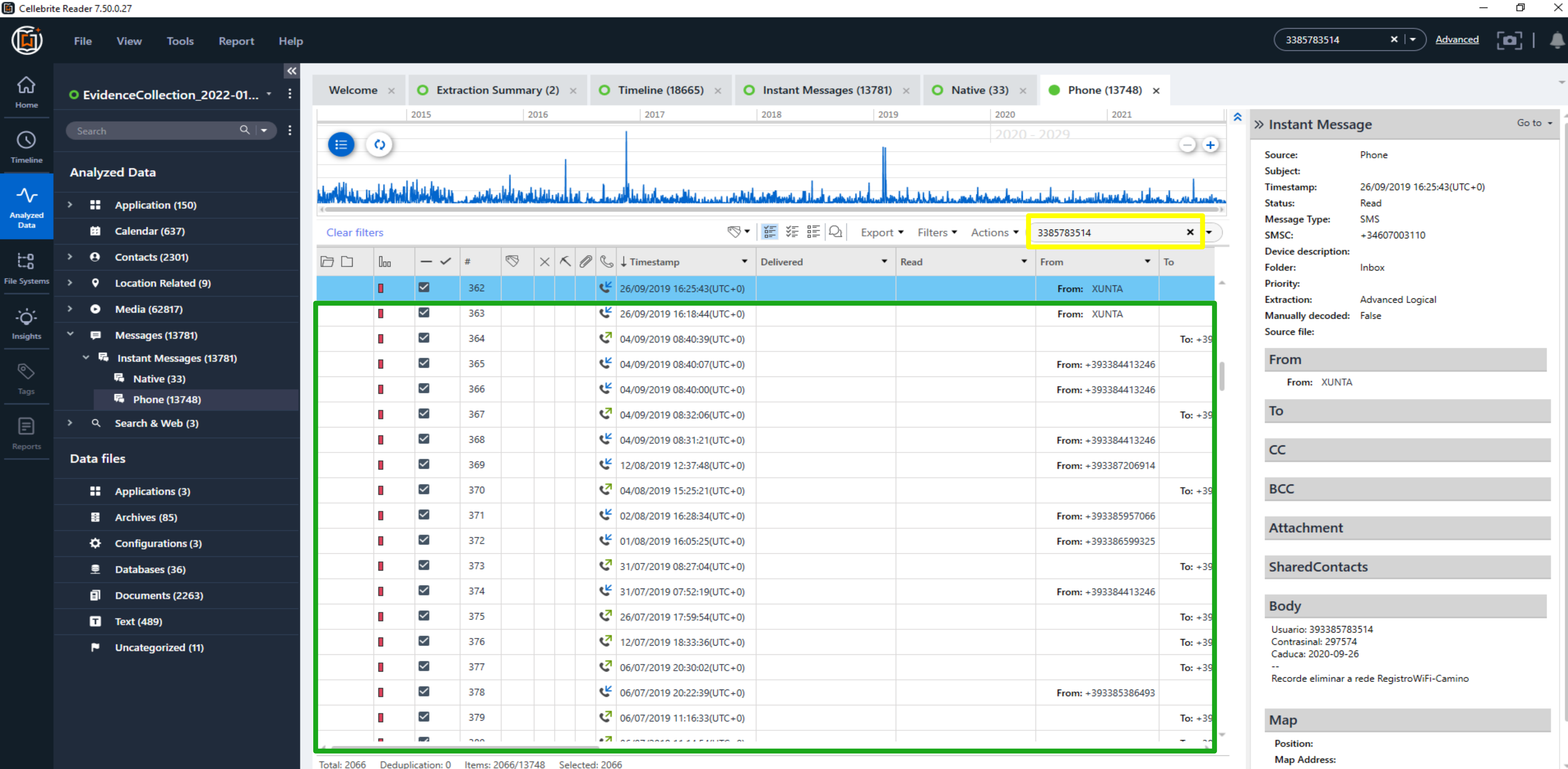
SharedContacts

Body

Usuario: 393385783514
Contrasinal: 297574
Caduca: 2020-09-26
--
Recorde eliminar a rede RegistroWiFi-Camino

Map

Position:
Map Address:


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
3385783514
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Messages (13781)
Instant Messages (13781)
Native (33)
Phone (13748)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Timeline (18665)
Instant Messages (13781)
Native (33)
Phone (13748)
2015
2016
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2018
2019
2020
2021
2020 - 2029
Clear filters
Export
Filters
Actions
3385783514

☑	#	Timestamp	Delivered	Read	From	To
☑	362	26/09/2019 16:25:43(UTC+0)			**From:** XUNTA	
☑	363	26/09/2019 16:18:44(UTC+0)			**From:** XUNTA	
☑	364	04/09/2019 08:40:39(UTC+0)				**To:** +39
☑	365	04/09/2019 08:40:07(UTC+0)			**From:** +393384413246	
☑	366	04/09/2019 08:40:00(UTC+0)			**From:** +393384413246	
☑	367	04/09/2019 08:32:06(UTC+0)				**To:** +39
☑	368	04/09/2019 08:31:21(UTC+0)			**From:** +393384413246	
☑	369	12/08/2019 12:37:48(UTC+0)			**From:** +393387206914	
☑	370	04/08/2019 15:25:21(UTC+0)				**To:** +39
☑	371	02/08/2019 16:28:34(UTC+0)			**From:** +393385957066	
☑	372	01/08/2019 16:05:25(UTC+0)			**From:** +393386599325	
☑	373	31/07/2019 08:27:04(UTC+0)				**To:** +39
☑	374	31/07/2019 07:52:19(UTC+0)			**From:** +393384413246	
☑	375	26/07/2019 17:59:54(UTC+0)				**To:** +39
☑	376	12/07/2019 18:33:36(UTC+0)				**To:** +39
☑	377	06/07/2019 20:30:02(UTC+0)				**To:** +39
☑	378	06/07/2019 20:22:39(UTC+0)			**From:** +393385386493	
☑	379	06/07/2019 11:16:33(UTC+0)				**To:** +39

Total: 2066 Deduplication: 0 Items: 2066/13748 Selected: 2066

Instant Message Go to

Source: Phone
Subject:
Timestamp: 26/09/2019 16:25:43(UTC+0)
Status: Read
Message Type: SMS
SMSC: +34607003110
Device description:
Folder: Inbox
Priority:
Extraction: Advanced Logical
Manually decoded: False
Source file:

From

From: XUNTA

To

CC

BCC

Attachment

SharedContacts

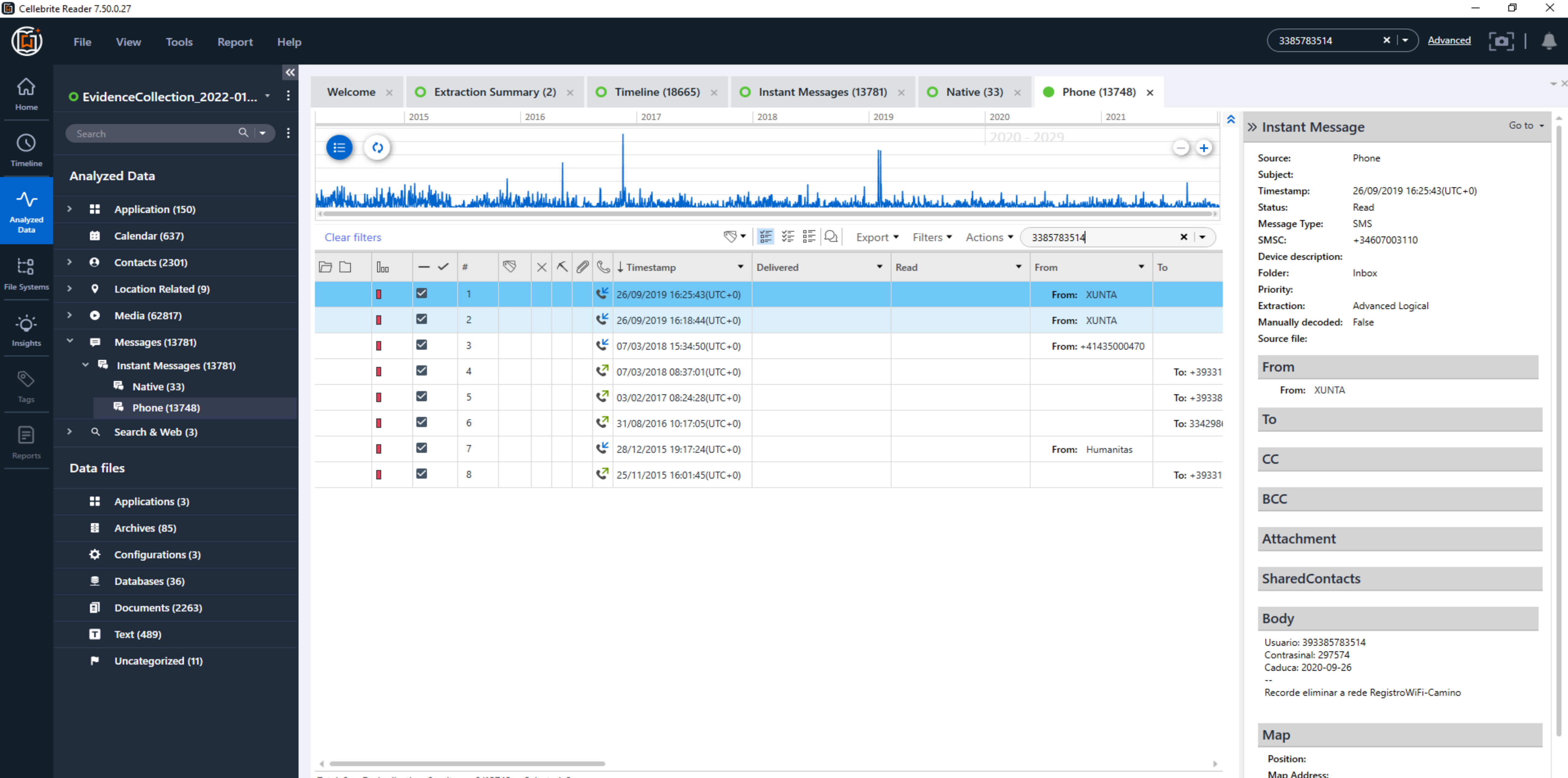
Body

Usuario: 393385783514
Contrasinal: 297574
Caduca: 2020-09-26
--
Recorde eliminar a rede RegistroWiFi-Camino

Map

Position:
Map Address:

NUCLEO DI POLIZIA ECONOMICO-FINANZIARIA MILANO


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
3385783514
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Messages (13781)
Instant Messages (13781)
Native (33)
Phone (13748)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Timeline (18665)
Instant Messages (13781)
Native (33)
Phone (13748)
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2020 - 2029
Clear filters
Export
Filters
Actions
3385783514

#	Timestamp	Delivered	Read	From	To
1	26/09/2019 16:25:43(UTC+0)			From: XUNTA	
2	26/09/2019 16:18:44(UTC+0)			From: XUNTA	
3	07/03/2018 15:34:50(UTC+0)			From: +41435000470	
4	07/03/2018 08:37:01(UTC+0)				To: +39331
5	03/02/2017 08:24:28(UTC+0)				To: +39338
6	31/08/2016 10:17:05(UTC+0)				To: 334298
7	28/12/2015 19:17:24(UTC+0)			From: Humanitas	
8	25/11/2015 16:01:45(UTC+0)				To: +39331

Instant Message

Go to

Source:	Phone
Subject:	
Timestamp:	26/09/2019 16:25:43(UTC+0)
Status:	Read
Message Type:	SMS
SMSC:	+34607003110
Device description:	
Folder:	Inbox
Priority:	
Extraction:	Advanced Logical
Manually decoded:	False
Source file:	

From

From: XUNTA

To

CC

BCC

Attachment

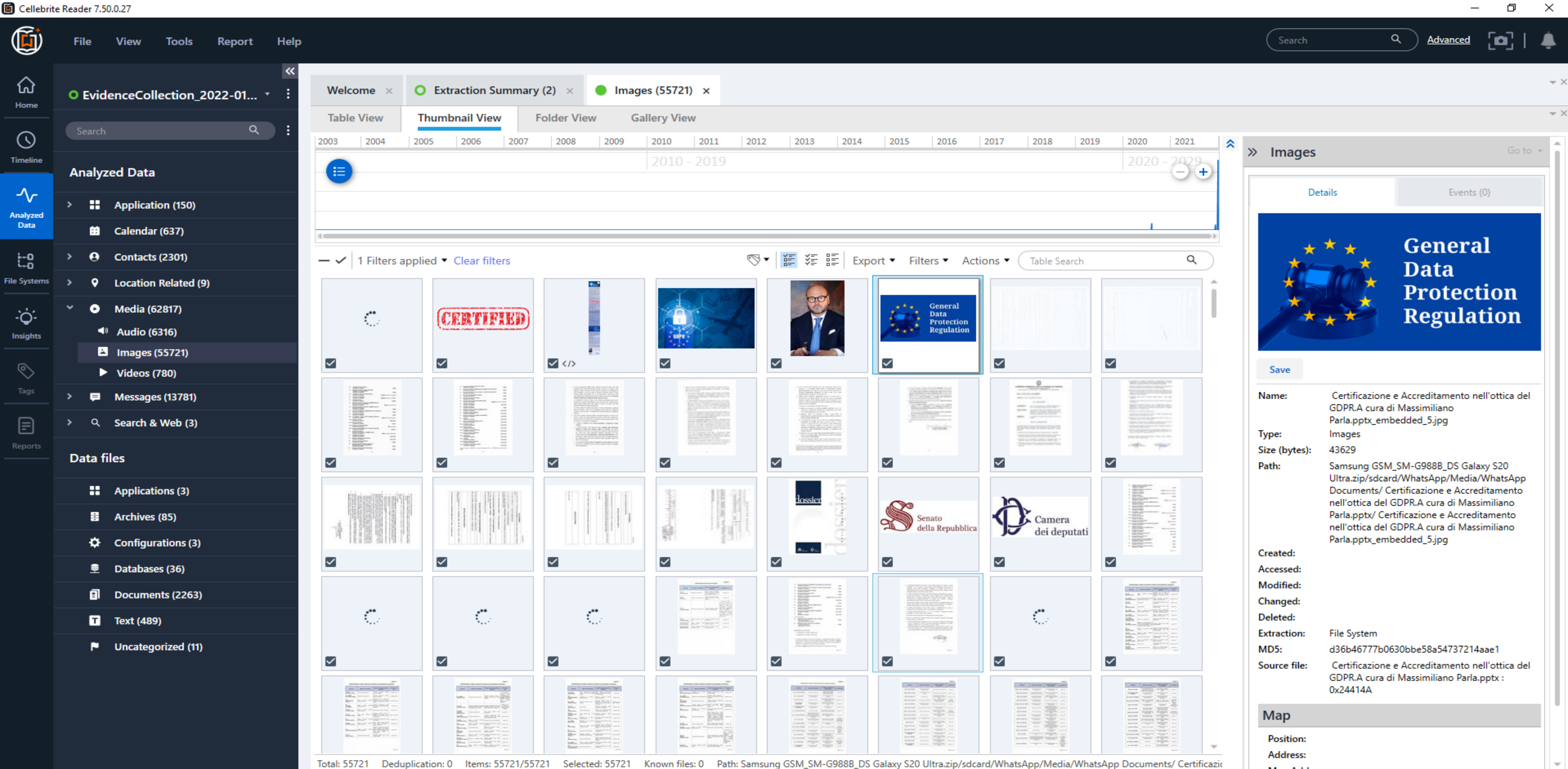
SharedContacts

Body

Usuario: 393385783514
Contrasinal: 297574
Caduca: 2020-09-26
--
Recorde eliminar a rede RegistroWiFi-Camino

Map

Position:
Map Address:


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Audio (6316)
Images (55721)
Videos (780)
Messages (13781)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Images (55721)
Table View
Thumbnail View
Folder View
Gallery View
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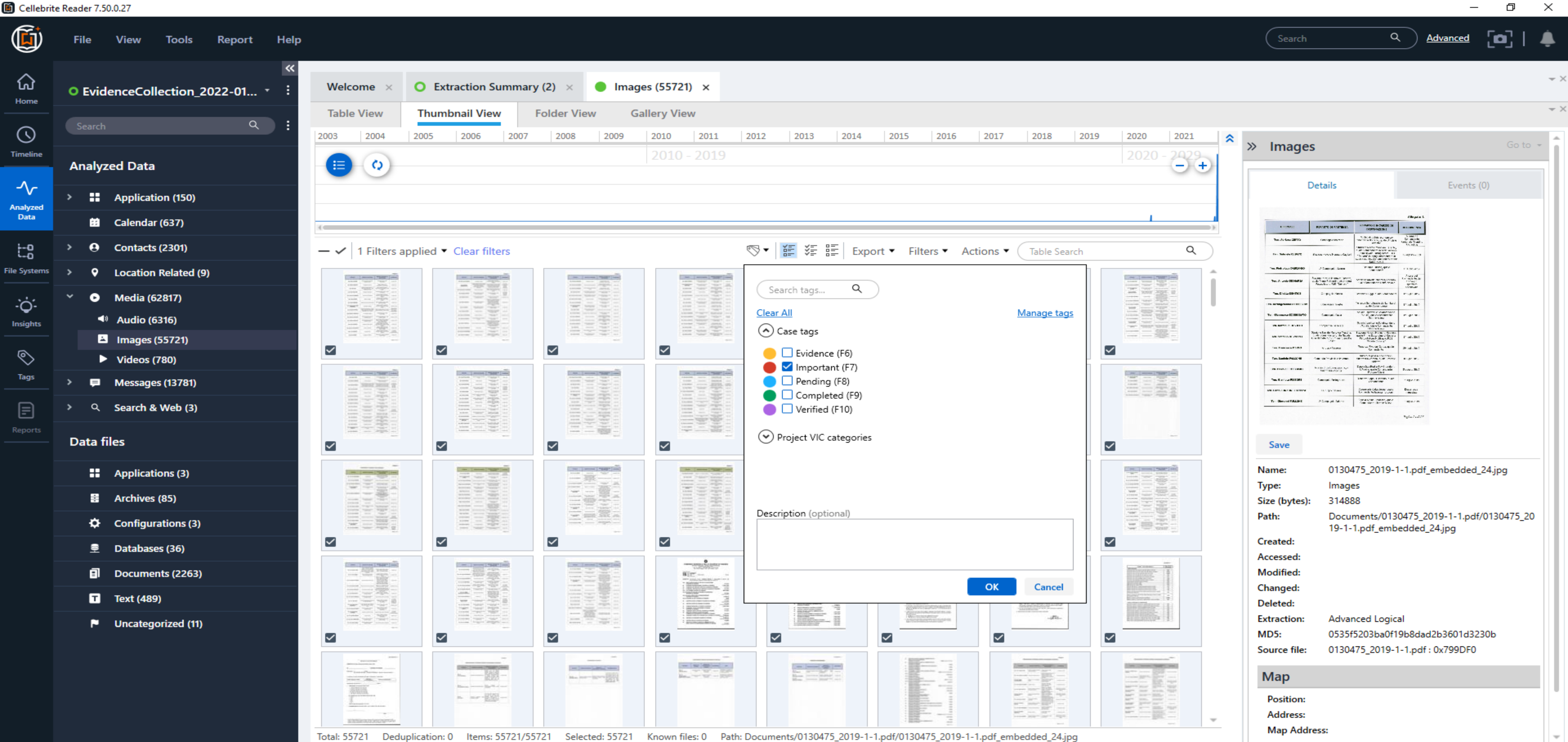
2021
2010 - 2019
2020 - 2029
1 Filters applied
Clear filters
Export
Filters
Actions
Table Search
CERTIFIED
General Data Protection Regulation
Senato della Repubblica
Camera dei deputati
dossier
Images
Go to
Details
Events (0)
General Data Protection Regulation
Save
Map

Name: Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg
Type: Images
Size (bytes): 43629
Path: Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg
Created:
Accessed:
Modified:
Changed:
Deleted:
Extraction: File System
MD5: d36b46777b0630bbe58a54737214aae1
Source file: Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx : 0x24414A

Map

Position:
Address:

Total: 55721 Deduplication: 0 Items: 55721/55721 Selected: 55721 Known files: 0 Path: Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazi


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Audio (6316)
Images (55721)
Videos (780)
Messages (13781)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Images (55721)
Table View
Thumbnail View
Folder View
Gallery View
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2021
2010 - 2019
2020 - 2029
1 Filters applied
Clear filters
Export
Filters
Actions
Table Search
Images
Go to
Details
Events (0)
Save
Map

Search tags...

Clear All
Manage tags

Case tags

- ☐ Evidence (F6)
- ☑ Important (F7)
- ☐ Pending (F8)
- ☐ Completed (F9)
- ☐ Verified (F10)

Project VIC categories

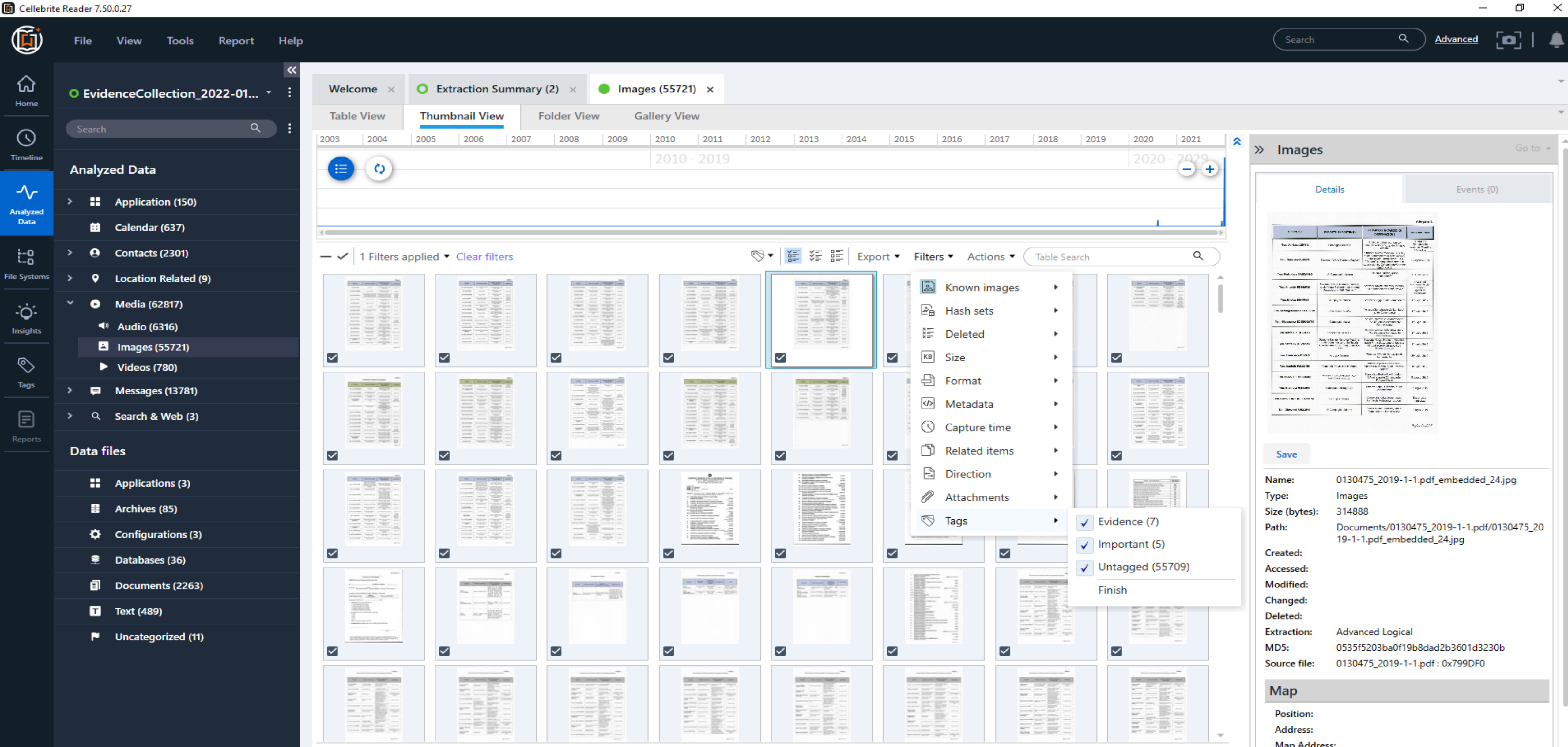
Description (optional)

OK Cancel

Name: 0130475_2019-1-1.pdf_embedded_24.jpg
Type: Images
Size (bytes): 314888
Path: Documents/0130475_2019-1-1.pdf/0130475_2019-1-1.pdf_embedded_24.jpg
Created:
Accessed:
Modified:
Changed:
Deleted:
Extraction: Advanced Logical
MD5: 0535f5203ba0f19b8dad2b3601d3230b
Source file: 0130475_2019-1-1.pdf : 0x799DF0

Position:
Address:
Map Address:

Total: 55721 Deduplication: 0 Items: 55721/55721 Selected: 55721 Known files: 0 Path: Documents/0130475_2019-1-1.pdf/0130475_2019-1-1.pdf_embedded_24.jpg


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
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Messages (13781)
Search & Web (3)
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Archives (85)
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Databases (36)
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Images (55721)
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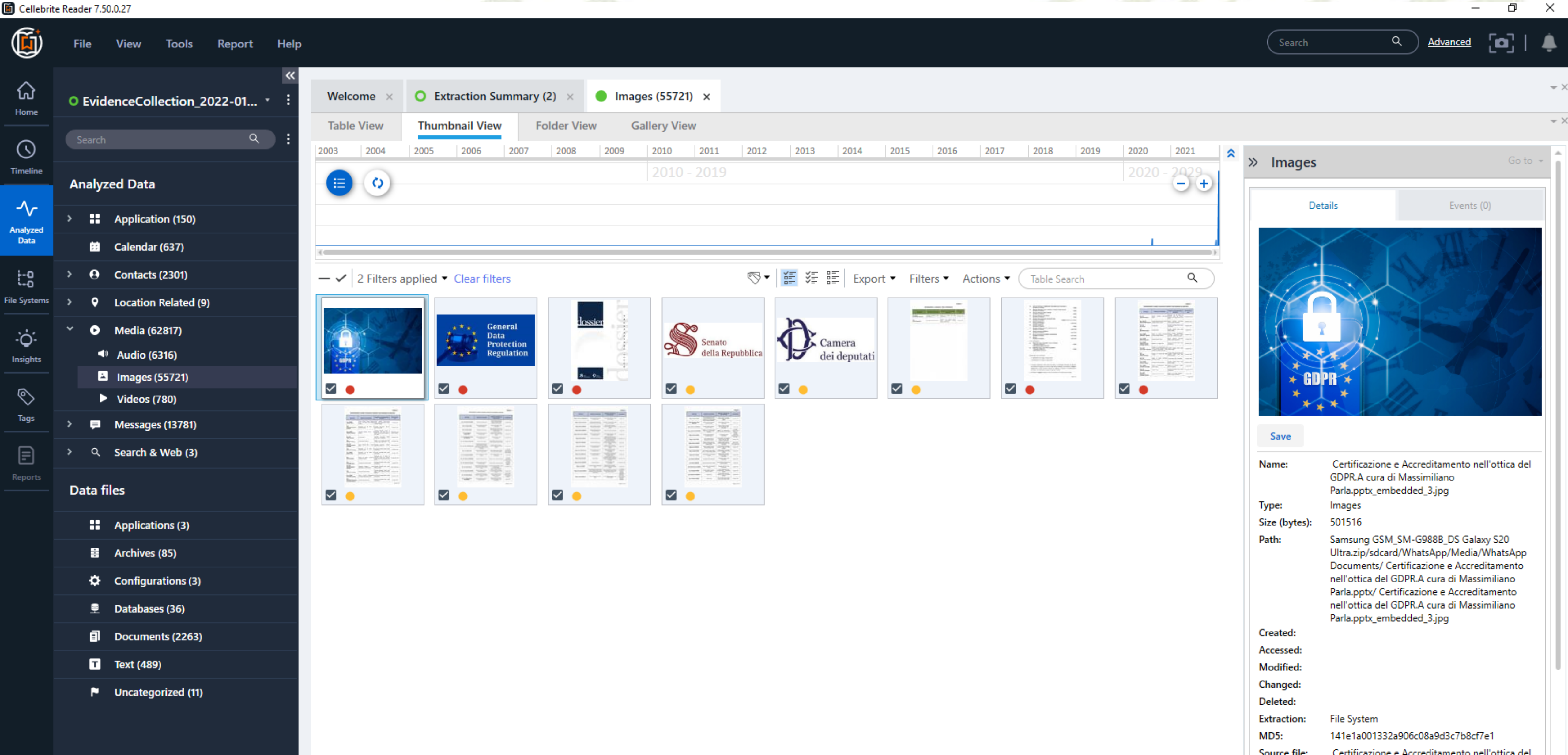
2021
2010 - 2019
2020 - 2029
1 Filters applied
Clear filters
Export
Filters
Actions
Table Search
Known images
Hash sets
Deleted
Size
Format
Metadata
Capture time
Related items
Direction
Attachments
Tags
✓ Evidence (7)
✓ Important (5)
✓ Untagged (55709)
Finish
Images
Go to
Details
Events (0)
Save
Map

Name: 0130475_2019-1-1.pdf_embedded_24.jpg
Type: Images
Size (bytes): 314888
Path: Documents/0130475_2019-1-1.pdf/0130475_2019-1-1.pdf_embedded_24.jpg
Created:
Accessed:
Modified:
Changed:
Deleted:
Extraction: Advanced Logical
MD5: 0535f5203ba0f19b8dad2b3601d3230b
Source file: 0130475_2019-1-1.pdf : 0x799DF0

Position:
Address:
Map Address:


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Audio (6316)
Images (55721)
Videos (780)
Messages (13781)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Images (55721)
Table View
Thumbnail View
Folder View
Gallery View
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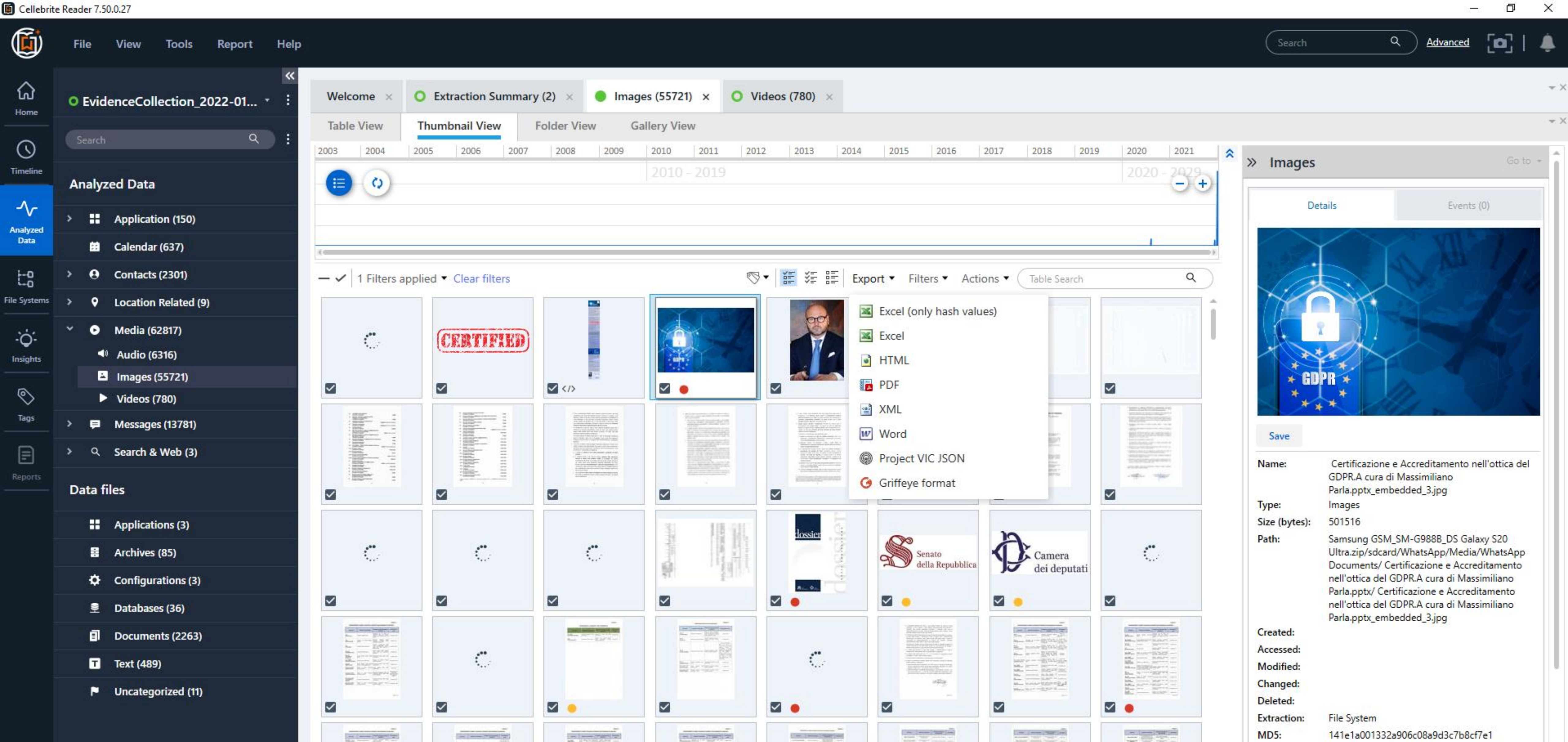
2010 - 2019
2020 - 2029
2 Filters applied
Clear filters
Export
Filters
Actions
Table Search
General Data Protection Regulation
dossier
Senato della Repubblica
Camera dei deputati
GDPR
Images
Go to
Details
Events (0)
Save

Name:	Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg
Type:	Images
Size (bytes):	501516
Path:	Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg
Created:	
Accessed:	
Modified:	
Changed:	
Deleted:	
Extraction:	File System
MD5:	141e1a001332a906c08a9d3c7b8cf7e1
Source file:	Certificazione e Accreditamento nell'ottica del


Cellebrite Reader 7.50.0.27
File
View
Tools
Report
Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application (150)
Calendar (637)
Contacts (2301)
Location Related (9)
Media (62817)
Audio (6316)
Images (55721)
Videos (780)
Messages (13781)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Images (55721)
Videos (780)
Table View
Thumbnail View
Folder View
Gallery View
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2019
2020
2021
2010 - 2019
2020 - 2029
1 Filters applied
Clear filters
Export
Filters
Actions
Table Search
Excel (only hash values)
Excel
HTML
PDF
XML
Word
Project VIC JSON
Griffeye format
CERTIFIED
dossier
Senato della Repubblica
Camera dei deputati
Images
Go to
Details
Events (0)
GDPR
Save

Name: Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg

Type: Images

Size (bytes): 501516

Path: Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg

Created:

Accessed:

Modified:

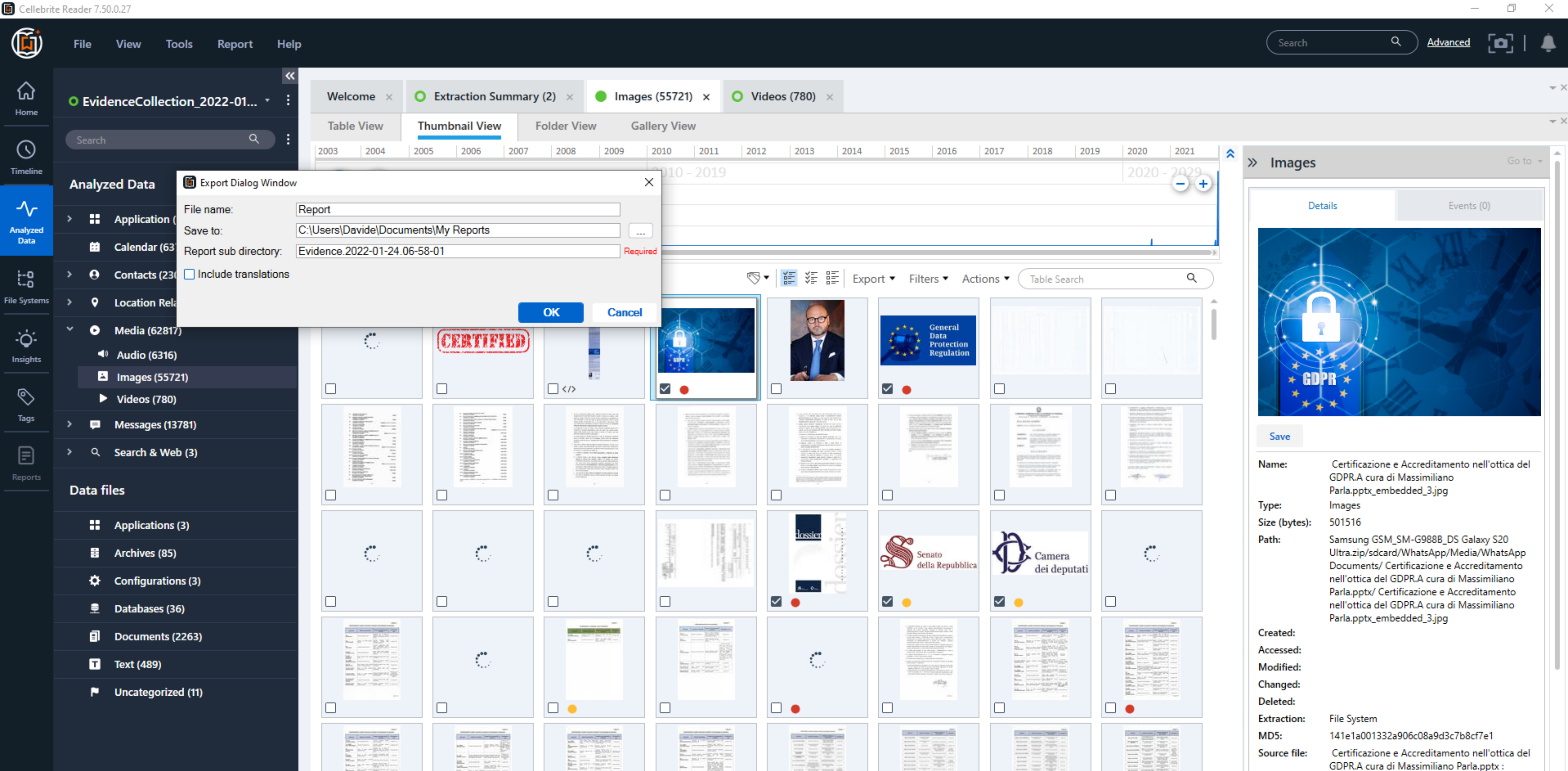
Changed:

Deleted:

Extraction: File System

MD5: 141e1a001332a906c08a9d3c7b8cf7e1

NUCLEO DI POLIZIA ECONOMICO-FINANZIARIA MILANO


Cellebrite Reader 7.50.0.27
File
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Help
Search
Advanced
Home
Timeline
Analyzed Data
File Systems
Insights
Tags
Reports
EvidenceCollection_2022-01...
Search
Analyzed Data
Application
Calendar (63
Contacts (23
Location Rel
Media (62817)
Audio (6316)
Images (55721)
Videos (780)
Messages (13781)
Search & Web (3)
Data files
Applications (3)
Archives (85)
Configurations (3)
Databases (36)
Documents (2263)
Text (489)
Uncategorized (11)
Welcome
Extraction Summary (2)
Images (55721)
Videos (780)
Table View
Thumbnail View
Folder View
Gallery View
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2020
2021
2010 - 2019
2020 - 2029
Export
Filters
Actions
Table Search
Images
Go to
Details
Events (0)
Save
CERTIFIED
General Data Protection Regulation
GDPR
dossier
Senato della Repubblica
Camera dei deputati

Export Dialog Window

File name: Report

Save to: C:\Users\Davide\Documents\My Reports

Report sub directory: Evidence.2022-01-24.06-58-01 Required

☐ Include translations

OK Cancel

Name: Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg

Type: Images

Size (bytes): 501516

Path: Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg

Created:

Accessed:

Modified:

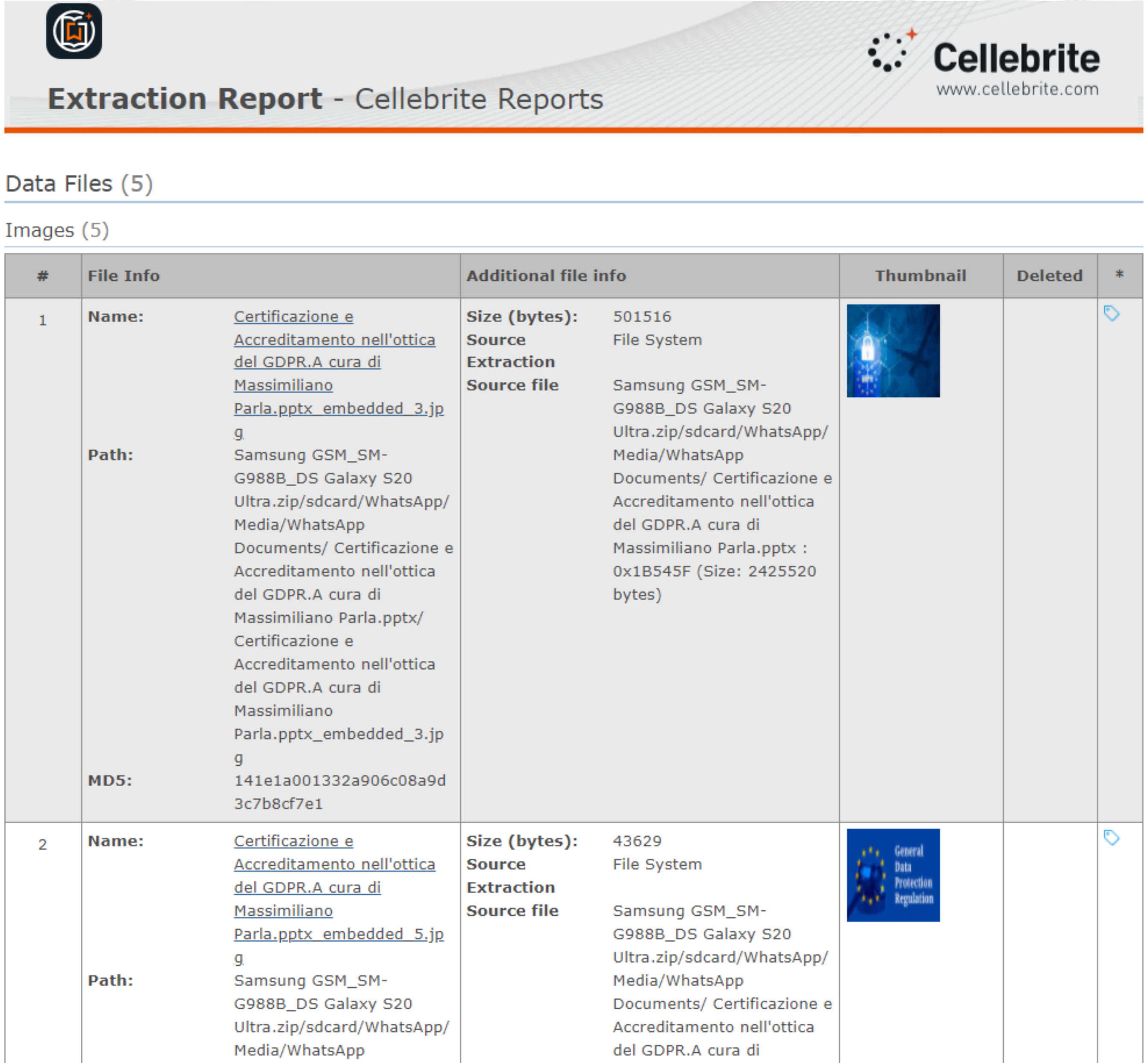
Changed:

Deleted:

Extraction: File System

MD5: 141e1a001332a906c08a9d3c7b8cf7e1

Source file: Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx :



Extraction Report - Cellebrite Reports

Cellebrite
www.cellebrite.com

Data Files (5)

Images (5)

#	File Info		Additional file info		Thumbnail	Deleted	*
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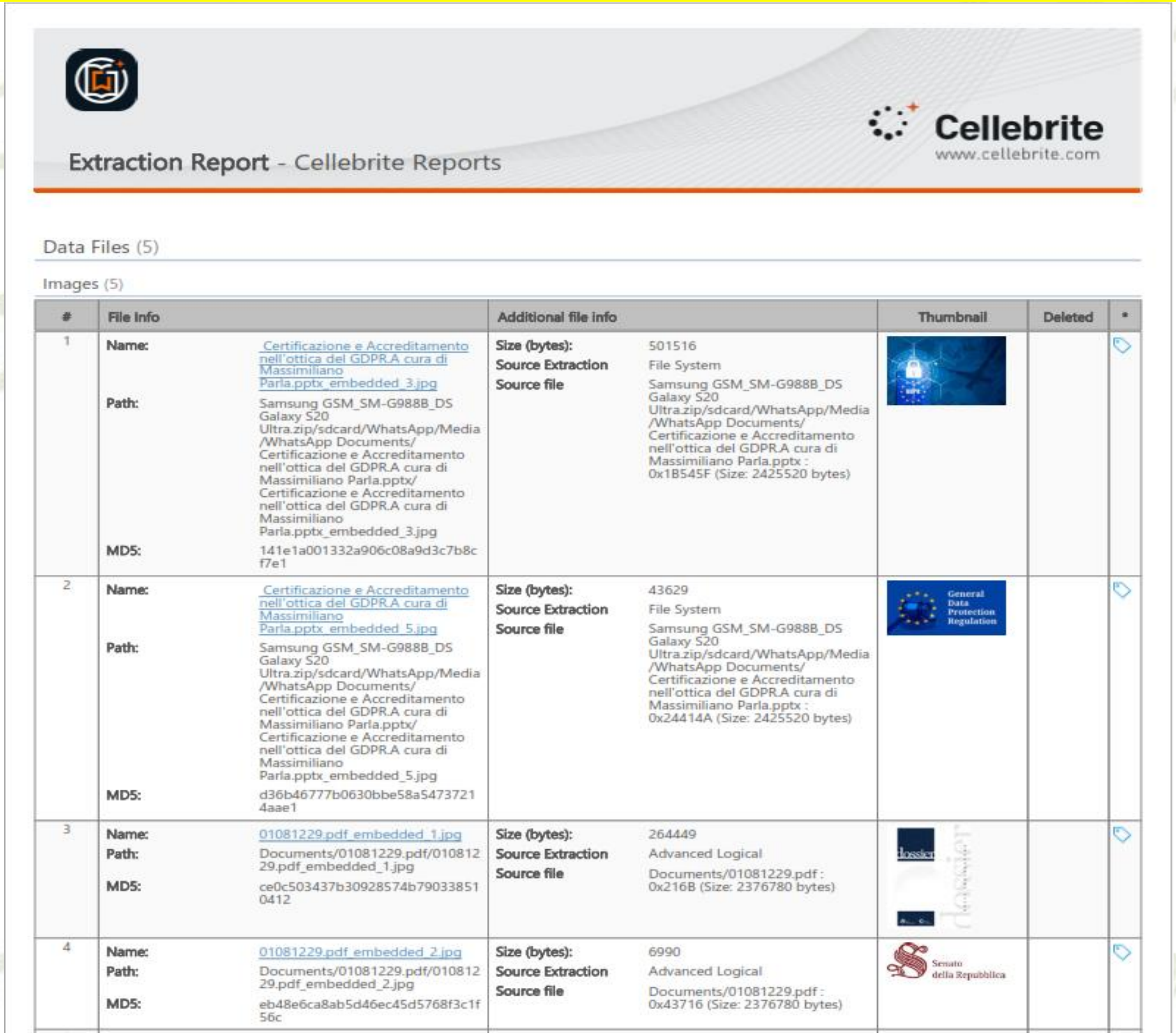
2	**Name:** **Path:**	Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp	**Size (bytes):** **Source Extraction** **Source file**	43629 File System Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di	General Data Protection Regulation		



Extraction Report - Cellebrite Reports

Data Files (5)

Images (5)

#	File Info	Additional file info	Thumbnail	Deleted	▪
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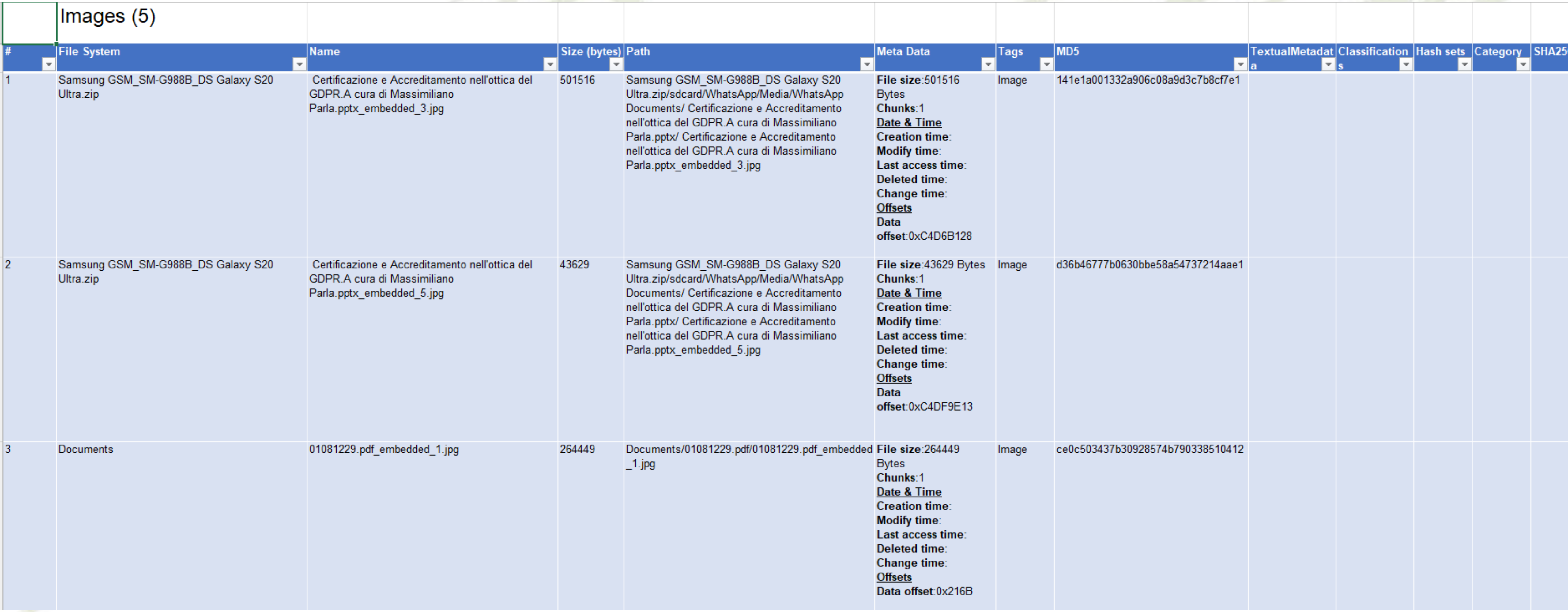
2	**Name:** Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg **Path:** Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg **MD5:** d36b46777b0630bbe58a54737214aae1	**Size (bytes):** 43629 **Source Extraction** File System **Source file** Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx : 0x24414A (Size: 2425520 bytes)	General Data Protection Regulation		🏷
3	**Name:** 01081229.pdf_embedded_1.jpg **Path:** Documents/01081229.pdf/01081229.pdf_embedded_1.jpg **MD5:** ce0c503437b30928574b790338510412	**Size (bytes):** 264449 **Source Extraction** Advanced Logical **Source file** Documents/01081229.pdf : 0x216B (Size: 2376780 bytes)	dossier		🏷
4	**Name:** 01081229.pdf_embedded_2.jpg **Path:** Documents/01081229.pdf/01081229.pdf_embedded_2.jpg **MD5:** eb48e6ca8ab5d46ec45d5768f3c1f56c	**Size (bytes):** 6990 **Source Extraction** Advanced Logical **Source file** Documents/01081229.pdf : 0x43716 (Size: 2376780 bytes)	Senato della Repubblica		🏷



Images (5)

#	File System	Name	Size (bytes)	Path	Meta Data	Tags	MD5	TextualMetadata	Classifications	Hash sets	Category	SHA25
1	Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip	Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg	501516	Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_3.jpg	**File size**:501516 Bytes **Chunks**:1 **Date & Time** **Creation time**: **Modify time**: **Last access time**: **Deleted time**: **Change time**: **Offsets** **Data offset**:0xC4D6B128	Image	141e1a001332a906c08a9d3c7b8cf7e1					
2	Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip	Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg	43629	Samsung GSM_SM-G988B_DS Galaxy S20 Ultra.zip/sdcard/WhatsApp/Media/WhatsApp Documents/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx/ Certificazione e Accreditamento nell'ottica del GDPR.A cura di Massimiliano Parla.pptx_embedded_5.jpg	**File size**:43629 Bytes **Chunks**:1 **Date & Time** **Creation time**: **Modify time**: **Last access time**: **Deleted time**: **Change time**: **Offsets** **Data offset**:0xC4DF9E13	Image	d36b46777b0630bbe58a54737214aae1					
3	Documents	01081229.pdf_embedded_1.jpg	264449	Documents/01081229.pdf/01081229.pdf_embedded_1.jpg	**File size**:264449 Bytes **Chunks**:1 **Date & Time** **Creation time**: **Modify time**: **Last access time**: **Deleted time**: **Change time**: **Offsets** **Data offset**:0x216B	Image	ce0c503437b30928574b790338510412					

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