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FORENSIC TESTING PROGRAM

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Mobile Digital Evidence
Test No. 22-5550 Summary Report

Participants were provided with data yielded from an extraction of a smart phone. They were asked to analyze the sample and answer scenario based questions utilizing their own tools and methods. Data was returned from 84 participants and are compiled in the following tables:

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This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

The Mobile Digital Evidence – Android Analysis test consisted of evidence data acquired from a smartphone. Participants were asked to examine the extracted data pertaining to a simulated scenario using their own software and methods.

SAMPLE PREPARATION:
A scripted scenario based upon a financial fraud case was created to generate user data on the evidence Android device. The execution of the scripted crime took place between November 7, 2021 and January 9, 2022. A LG LM-X420MM K40 smartphone was used to perform the activities and generate the intended artifacts.

The phone data was acquired via a file-system extraction of the smartphone using Cellebrite software and compiled into a zip archive. This file was uploaded to the CTS portal for participants to download. A MD5 checksum was calculated for the file to generate a unique hash value that allows participants to validate the successful download of the file.

SAMPLE VALIDATION/VERIFICATION:
The validation stage consisted of the examination of the phone data using various software including Cellebrite UFED 4PC 7.50.0.137, Cellebrite PA 4.42.0.50, Autopsy Browser 4.19.3, DB Browser for SQLite 3.12.1 and exiftool 12.05 to ensure the expected results could be achieved. Results from the predistribution laboratories were reviewed and certain questions were rephrased as necessary. Several forensic software tools were utilized during the validation of this test. CTS does not endorse any particular tools.

PLEASE NOTE: Questions marked with asterisks (**) did not show a clear consensus during preliminary review of the participants' responses. Further information and discussion will be available in the final summary report.

SCENARIO PROVIDED TO PARTICIPANTS

The owner of this phone is a rank-and-file government employee who doesn’t believe he or his coworkers should have to get vaccinated. He finds a blank COVID-19 Vaccination card online and begins printing them for his friends and co-workers. Eventually he starts to sell them online. Someone notices his posts online and reports him to the local police department. Believing he has done nothing wrong, he consents to a search of his phone.

Manufacturer's Information, continued

Question ***Manufacturer's Expected Response***

1 On what date was this extraction acquired? Use the automatic date picker below.

2022-01-09

2 Two files were provided for this test, LG GSM_LM-X420MM K40.zip and LG GSM_LM-X420MM K40.ufd. The SHA256 of LG GSM_LM-X420MM K40.zip is 35574E45D7C510B3F55B2BB1F732AD238628DCF02D867473B4CCCBBBA592FF25. Provide the SHA1 HASH for this file (LG GSM_LM-X420MM K40.zip).

0CF232264C2CCAE24767DF961EC49D76DFF927C1

3 What type of extraction was performed?

File system

4 What is the version of extraction software used?

7.50.0.137

5 What is the set time zone for this phone? Provide answer in the following format: Country/City.

America/Chicago or America/New York or UTC-5

6 Provide the device owner’s full name.

Joseph Marcona

7 What is the account name (email address) for this device’s backup account?

josephmarcona@gmail.com

8 What is the Default Gateway MAC Address of the Wifi Hotspot named “TSC_Customer_Wi-Fi” (connected to by this phone)?

00:00:0c:07:ac:0e

9 What is the password (Pre-Shared Key) for the Wi-Fi access point with SSID “M2000-CD6C”?

8c6a2a5d

10 What is the name of the Bluetooth device with MAC Address 98:d3:31:fc:1b:64?

omicron

11 What is the date and time of the device record timestamp for the Bluetooth device with name VIRUS? Provide your response in UTC+0, using the automatic picker to select the date and time (24-hour).

2022-01-09 01:26

12 What is the user’s username for the Proton mail app? Report exactly as shown by the device.

vaxcardz_R_us

13 What is the path, filename, and file extension of the file containing the word Taenioptynx? (e.g., /directory/subdirectory/name.extention)

/data/media/0/Download/file.file

14 What is SHA256 hash of the file containing the word Taenioptynx?

0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756

15 What words are spoken in the Google Voice voicemail message?

Hello. Hello.

Manufacturer's Information, continued

Question ***Manufacturer's Expected Response***

16 What is the content (text) of the SMS message sent on December 11, 2021 at 5:05:41 PM UTC+0 ?
Forecast

17 What contact sent the text message (SMS/MMS) regarding a “document” ?
Mike Spitz and/or 17035947989

18 What email address is associated with the contact with the phone number 703-594-7989?
mikespitz.uci@gmail.com

19 What status does the call log database show for the call associated with phone number 833-690-0646 on December 8, 2021 at 11:44? (e.g. Answered, Outgoing, Missed, Voicemail, Rejected, Blocked, WiFI)
Outgoing and/or Answered

20 From what contact did the user reject a call? Provide full name.
Rosa Vega

21 What was the duration of the call dated on December 8, 2021 at 11:44, referenced in question 19? Please provide your response in the following format: hours, minutes and seconds, e.g. 01:01:01.
00:09:49

22 What was the date and time of the last incoming call? Provide your response in UTC+0, using the automatic picker to select the date and time (24-hour).
2021-12-12 21:46

23 What is the user’s Instagram account username?
joemarcona

24 According to the Google Fitness app, what activity did the user participate in during their exercise session beginning on January 8, 2022 (local time)?
Yoga or Afternoon Yoga

25 What location did the user recently navigate to in the Waze app? Please provide the name of the locale.
Westmoreland, VA or Westmoreland

26 Provide the contents of the Google Keep note created by the user on December 12, 2021 at 11:56:34 PM(UTC+0). Report exactly as shown by the device.
Ptil0psis

27 Provide the text that appears in the photo taken near Lat/Long 37.497365, -77.044665.
“LOVE” or “VIRGINIA IS FOR LOVERS”

28 What did the user schedule for December 31, 2021?
Party @ mike's

29 What website did the user visit with the Chrome browser on December 12, 2021 at 11:59:14 PM(UTC+0)? (Provide the full URL, i.e., https://site.tld/page/)
https://reddpics.com/r/lolcats

30 What file did the user send via email attachment on December 12, 2021? (Provide the full filename and extension)
COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

Manufacturer's Information, continued

Question ***Manufacturer's Expected Response***

31 Provide the MD5 Hash of the file the user sent via email attachment on December 12, 2021?
a6fe140921e6ef255d90b9ca1a273493

32 Where is the user scheduled to play trivia? Provide name and address.
Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA

33 Describe the content of the file with MD5 hash 5d66d31538d9aff0f86ed7423214f0fc.
Video of (McDonalds) French Fries and variations representing the same information

34 What camera make and model was used to take the photograph of the lion head sculpture with SHA1 hash 22C92090CC17FF266120D8A3BE881DC599CE25A2?
Motorola

moto g stylus

35 What is the US Dollar (USD) amount of the Bitcoin received in the BitPay app on December 13, 2021 at 01:03:25 UTC?
9.80 USD

36 What is the mnemonic phrase for the BitPay wallet on this device?
trick orchard tuna panic matrix welcome rely release sudden swap express van

37 Provide the name of the printer the user accessed with this phone on January 8, 2022 at 9:55:31 PM(UTC+0) ?
DIRECT-0C-HP ENVY 4520 series

Summary Comments

The purpose of this Mobile Digital Evidence (MDE) Test is to allow participants to evaluate their proficiency in analyzing digital artifacts using their own tools and methods. The participants were provided with a scripted scenario, the data extracted from a smart phone, and a series of questions related to the extracted data. (See Manufacturer's Information for preparation details, test scenario, and test questions)

The participants were requested to analyze various digital artifacts including: image details, phone and network settings, native and third-party applications, communications, web browser history, and Geo-Location information.

A total of 84 participants returned results. Consensus was achieved for all 37 questions. Each question is discussed in detail further in the report, including the questions where a response differing from the consensus was reported at a frequency of 10% or greater (questions # 12 and # 13).

We realize that the Digital Forensics field is increasing in complexity and there are generally not many clearly-defined answers. Similarly, for this test, participants should follow their laboratory's policies and procedures when evaluating the MDE proficiency test questions.

Please Note: Several forensic software tools were utilized during the validation of this test and may be referenced during the discussion of results. CTS does not endorse any particular tools.

Digital Evidence Responses

TABLE 1

Question 1 - Examination Questions

Question 1: On what date was this extraction acquired? Use the automatic date picker below.

Manufacturer's Expected Response: 2022-01-09

WebCode	Response
23UUZG	2022-01-09
247Q88	2022-01-09
27U7WG	2022-01-09
2MYDBJ	2022-01-09
2U62WX	2022-01-09
3FVNA6	2022-01-09
3KBBPV	2022-01-09
3L3ECB	2022-01-09
3UZ3CN	2022-01-09
3XZD8N	2022-01-09
4PWV2B	2022-01-09
664BM3	2022-01-09
6LUAVP	2022-01-09
6TXZGF	2022-01-09
7892QC	2022-01-09
7MNEPN	2022-01-09
7NFHC4	2022-01-09
7TR7CZ	2022-01-09
7YXY6B	2022-01-09
8DBKAL	2022-01-09
8PT6UJ	2022-01-09
8Z6ED3	2022-01-09
96CMUW	2022-01-09
96F39J	2022-01-09
9786VY	2022-01-09
97V4FR	2022-01-09
9A7CHG	2022-01-09
9FXJ2P	2022-01-09
9GPMN6	2022-01-09

TABLE 1

Question 1 - Examination Questions

WebCode	Response
9GR8JK	2022-01-09
9HXAYJ	2022-01-09
9NP7QZ	2022-01-10
9VBVTJ	2022-01-09
AEE66Z	2022-01-09
BEDQWX	2022-01-09
BJ8KUY	2022-01-09
BWDJ36	2022-01-09
CKE3TU	2022-01-09
CMDAJF	2022-01-09
CV7MHE	2022-01-09
D3UPWH	2022-01-09
DCYWBH	2022-01-09
DRCCA8	2022-01-09
E6RW87	2022-01-09
EG9GR3	2022-01-09
ET2Z8T	2022-01-09
F6WE64	2022-01-09
GQ67MU	2022-01-09
GVJ24Q	2022-01-09
GZABDP	2022-01-09
HFL6MD	2022-01-09
HPTRTT	2022-01-09
J9KCUA	2022-01-09
JDCGME	2022-01-09
KHNMYE	2022-01-09
L8H99X	2022-01-09
LAK8JQ	2022-01-09
MRLBLT	2022-01-09
N3ECEN	2022-01-09
P627WA	2022-01-09
PT4ATM	2022-01-09

TABLE 1

Question 1 - Examination Questions

WebCode	Response
QJBJKK	2022-01-09
QP77KZ	2022-01-09
QTKQLU	2022-01-09
QUUVYJ	2022-01-09
RG3NEM	2022-01-09
RLG2JG	2022-01-10
RY67PR	2022-01-09
TKK6AD	2022-01-09
UYXZ3E	2022-01-09
VBWUKW	2022-01-09
VNVZ3F	2022-01-09
W9FEZ2	2022-01-09
WA93JW	2022-01-09
WFWWCN	2022-01-09
WTJ2JK	2022-01-09
WUBZXH	2022-01-09
X9T8AA	2022-01-09
XFRPTT	2022-01-09
XRL7HU	2022-01-09
XTDA69	2022-01-09
YKZEML	2022-01-09
Z9P8ME	2022-01-09
ZDWN3V	2022-01-09

Question 1: On what date was this extraction acquired? Use the automatic date picker below.

Consensus Result: 2022-01-09. Additionally, 2022-01-10 was also accepted since the time zone setting was not specified in this question.

Expected Response Explanation:

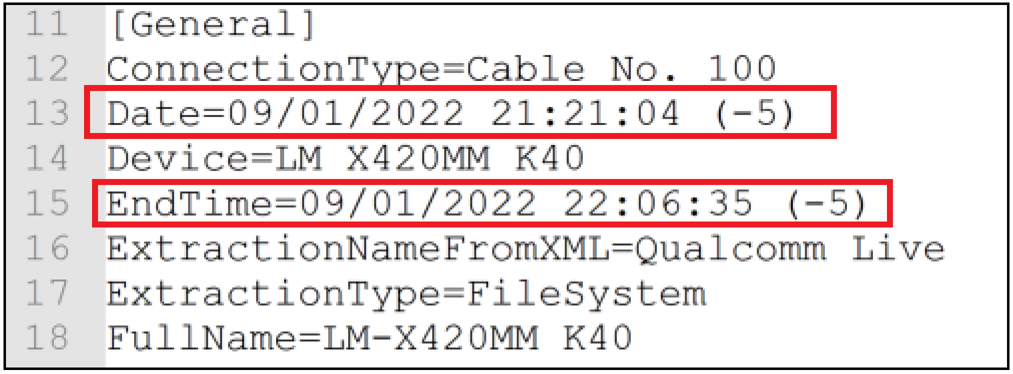
This value is recorded by the acquisition tool and stored in the .ufd file.

TABLE 1

Question 1 - Examination Questions

Expected Response Illustration:

LG GSM_LM-X420MM K40.ufd



```
[General]
ConnectionType=Cable No. 100
Date=09/01/2022 21:21:04 (-5)
Device=LM X420MM K40
EndTime=09/01/2022 22:06:35 (-5)
ExtractionNameFromXML=Qualcomm Live
ExtractionType=FileSystem
FullName=LM-X420MM K40
```

TABLE 1

Question 2 - Examination Questions

Question 2: Two files were provided for this test, LG GSM_LM-X420MM K40.zip and LG GSM_LM-X420MM K40.ufd. The SHA256 of LG GSM_LM-X420MM K40.zip is 35574E45D7C510B3F55B2BB1F732AD238628DCF02D867473B4CCCBBBA592FF25. Provide the SHA1 HASH for this file (LG GSM_LM-X420MM K40.zip).

Manufacturer's Expected Response: 0CF232264C2CCAE24767DF961EC49D76DFF927C1

WebCode	Response
23UUZG	0cf232264c2ccae24767df961ec49d76dff927c1
247Q88	0CF232264C2CCAE24767DF961EC49D76DFF927C1
27U7WG	0cf232264c2ccae24767df961ec49d76dff927c1
2MYDBJ	0cf232264c2ccae24767df961ec49d76dff927c1
2U62WX	0CF232264C2CCAE24767DF961EC49D76DFF927C1
3FVNA6	0CF232264C2CCAE24767DF961EC49D76DFF927C1
3KBBPV	0CF232264C2CCAE24767DF961EC49D76DFF927C1
3L3ECB	0cf232264c2ccae24767df961ec49d76dff927c1
3UZ3CN	0CF232264C2CCAE24767DF961EC49D76DFF927C1
3XZD8N	0CF232264C2CCAE24767DF961EC49D76DFF927C1
4PWV2B	0cf232264c2ccae24767df961ec49d76dff927c1
664BM3	0CF232264C2CCAE24767DF961EC49D76DFF927C1
6LUAVP	0cf232264c2ccae24767df961ec49d76dff927c1
6TXZGF	0cf232264c2ccae24767df961ec49d76dff927c1
7892QC	SHA1: 0CF232264C2CCAE24767DF961EC49D76DFF927C1
7MNEPN	ocf232264c2ccae24767df961ec49d76dff927c1
7NFHC4	0CF232264C2CCAE24767DF961EC49D76DFF927C1
7TR7CZ	0cf232264c2ccae24767df961ec49d76dff927c1
7YXY6B	0CF232264C2CCAE24767DF961EC49D76DFF927C1
8DBKAL	0CF232264C2CCAE24767DF961EC49D76DFF927C1
8PT6UJ	0CF232264C2CCAE24767DF961EC49D76DFF927C1
8Z6ED3	0cf232264c2ccae24767df961ec49d76dff927c1
96CMUW	0CF232264C2CCAE24767DF961EC49D76DFF927C1
96F39J	0cf232264c2ccae24767df961ec49d76dff927c1
9786VY	0CF232264C2CCAE24767DF961EC49D76DFF927C1
97V4FR	0CF232264C2CCAE24767DF961EC49D76DFF927C1
9A7CHG	SHA1 base16 0CF232264C2CCAE24767DF961EC49D76DFF927C1; SHA1 base32 BTZDEJSMFTFOER3H36LB5RE5O3P7SJ6B
9FXJ2P	0CF232264C2CCAE24767DF961EC49D76DFF927C1

TABLE 1

Question 2 - Examination Questions

WebCode	Response
9GPMN6	0cf232264c2ccae24767df961ec49d76dff927c1
9GR8JK	0CF232264C2CCAE24767DF961EC49D76DFF927C1
9HXAYJ	0CF232264C2CCAE24767DF961EC49D76DFF927C1
9NP7QZ	0cf232264c2ccae24767df961ec49d76dff927c1
9VBVTJ	0CF232264C2CCAE24767DF961EC49D76DFF927C1
AEE66Z	0cf232264c2ccae24767df961ec49d76dff927c1
BEDQWX	0CF232264C2CCAE24767DF961EC49D76DFF927C1
BJ8KUY	0CF232264C2CCAE24767DF961EC49D76DFF927C1
BWDJ36	0cf232264c2ccae24767df961ec49d76dff927c1
CKE3TU	0CF232264C2CCAE24767DF961EC49D76DFF927C1
CMDAJF	0cf232264c2ccae24767df961ec49d76dff927c1
CV7MHE	0CF232264C2CCAE24767DF961EC49D76DFF927C1
D3UPWH	0CF232264C2CCAE24767DF961EC49D76DFF927C1
DCYWBH	0cf232264c2ccae24767df961ec49d76dff927c1
DRCCA8	0cf232264c2ccae24767df961ec49d76dff927c1
E6RW87	0cf232264c2ccae24767df961ec49d76dff927c1
EG9GR3	OCF232264C2CCAE24767DF961EC49D76DFF927C1
ET2Z8T	0CF232264C2CCAE24767DF961EC49D76DFF927C1
F6WE64	0cf232264c2ccae24767df961ec49d76dff927c1
GQ67MU	0cf232264c2ccae24767df961ec49d76dff927c1
GVJ24Q	0cf232264c2ccae24767df961ec49d76dff927c1
GZABDP	0cf232264c2ccae24767df961ec49d76dff927c1
HFL6MD	0cf232264c2ccae24767df961ec49d76dff927c1
HPTRTT	0cf232264c2ccae24767df961ec49d76dff927c1
J9KCUA	0CF232264C2CCAE24767DF961EC49D76DFF927C1
JDCGME	0CF232264C2CCAE24767DF961EC49D76DFF927C1
KHNMYE	0cf232264c2ccae24767df961ec49d76dff927c1
L8H99X	0cf232264c2ccae24767df961ec49d76dff927c1
LAK8JQ	0cf232264c2ccae24767df961ec49d76dff927c1
MRLBLT	0cf232264c2ccae24767df961ec49d76dff927c1
N3ECEN	0CF232264C2CCAE24767DF961EC49D76DFF927C1
P627WA	0cf232264c2ccae24767df961ec49d76dff927c1
PT4ATM	0CF232264C2CCAE24767DF961EC49D76DFF927C1

TABLE 1

Question 2 - Examination Questions

WebCode	Response
QJBJKK	0cf232264c2ccae24767df961ec49d76dff927c1
QP77KZ	0CF232264C2CCAE24767DF961EC49D76DFF927C1
QTKQLU	0cf232264c2ccae24767df961ec49d76dff927c1
QUUVYJ	0CF232264C2CCAE24767DF961EC49D76DFF927C1
RG3NEM	0cf232264c2ccae24767df961ec49d76dff927c1
RLG2JG	0cf232264c2ccae24767df961ec49d76dff927c1
RY67PR	0CF232264C2CCAE24767DF961EC49D76DFF927C1
TKK6AD	0CF232264C2CCAE24767DF961EC49D76DFF927C1
UYXZ3E	0cf232264c2ccae24767df961ec49d76dff927
VBWUKW	0CF232264C2CCAE24767DF961EC49D76DFF927C1
VNVZ3F	SHA-1: 0CF232264C2CCAE24767DF961EC49D76DFF927C1
W9FEZ2	0cf232264c2ccae24767df961ec49d76dff927c1
WA93JW	0DC939CC9D819A1A97126377DC5C4D230A6E17961CA4B7EE0B81D94B38212D77
WFWWCN	0cf232264c2ccae24767df961ec49d76dff927c1
WTJ2JK	0cf232264c2ccae24767df961ec49d76dff927c1
WUBZXH	0cf232264c2ccae24767df961ec49d76dff927c1
X9T8AA	0CF232264C2CCAE24767DF961EC49D76DFF927C1
XFRPTT	0CF232264C2CCAE24767DF961EC49D76DFF927C1
XRL7HU	0cf232264c2ccae24767df961ec49d76dff927c1
XTDA69	SHA1 base16 - 0CF232264C2CCAE24767DF961EC49D76DFF927C1 and SHA1 base32 - BTZDEJSMFTFOER3H36LB5RE5O3P7SJ6B
YKZEML	0CF232264C2CCAE24767DF961EC49D76DFF927C1
Z9P8ME	0cf232264c2ccae24767df961ec49d76dff927c1
ZDWN3V	0CF232264C2CCAE24767DF961EC49D76DFF927C1

Question 2: Two files were provided for this test, LG GSM_LM-X420MM K40.zip and LG GSM_LM-X420MM K40.ufd. The SHA256 of LG GSM_LM-X420MM K40.zip is 35574E45D7C510B3F55B2BB1F732AD238628DCF02D867473B4CCCBBBA592FF25. Provide the SHA1 HASH for this file (LG GSM_LM-X420MM K40.zip).

Consensus Result: 0CF232264C2CCAE24767DF961EC49D76DFF927C1

Expected Response Explanation:

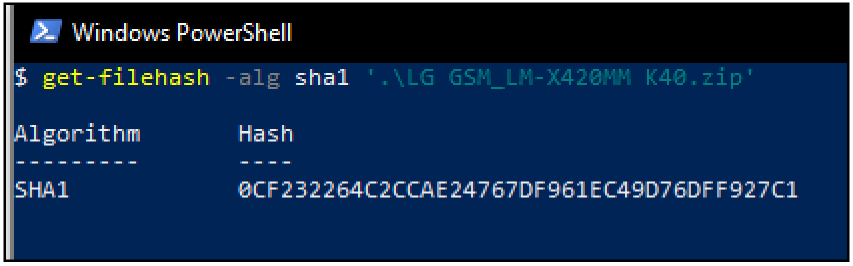
The SHA256 digest is provided to ensure the participant had a valid download. It is also stored in the .ufd file. Any reliable hashing tool can be used to calculate the SHA1 digest for the extracted file.

TABLE 1

Question 2 - Examination Questions

Expected Response Illustration:

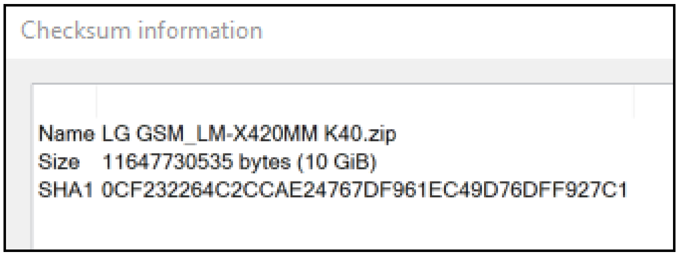
PowerShell hash calculation of LG GSM_LM-X420MM K40.zip



```
$ get-filehash -alg sha1 '.\LG GSM_LM-X420MM K40.zip'

Algorithm       Hash
---------       ----
SHA1            0CF232264C2CCAE24767DF961EC49D76DFF927C1
```

7zip utility hash calculation of LG GSM_LM-X420MM K40.zip



```
Name LG GSM_LM-X420MM K40.zip
Size   11647730535 bytes (10 GiB)
SHA1 0CF232264C2CCAE24767DF961EC49D76DFF927C1
```

TABLE 1

Question 3 - Examination Questions

Question 3: What type of extraction was performed?

Manufacturer's Expected Response: File system

WebCode	Response
23UUZG	File System
247Q88	Cellebrite UFED File System [Android ADB]
27U7WG	File System
2MYDBJ	File System [Android ADB]
2U62WX	File System [Android ADB]
3FVNA6	FileSystem
3KBBPV	File System
3L3ECB	File System
3UZ3CN	File System [Android ADB]
3XZD8N	File System [Android ADB]
4PWV2B	File System [Android ADB]
664BM3	File System [Android ADB]
6LUAVP	File System (Android ADB)
6TXZGF	FileSystem
7892QC	File System [Android ADB]
7MNEPN	File System (Android ADB)
7NFHC4	File System
7TR7CZ	File system [Android ADB]
7YXY6B	File System [Android ADB]
8DBKAL	A File System [Android ADB] extraction was performed.
8PT6UJ	File System [Android ADB]
8Z6ED3	FileSystem via Qualcomm Live
96CMUW	File System [Android ADB]
96F39J	Full File System
9786VY	File System [Android ADB]
97V4FR	File system [Android ADB]
9A7CHG	File System [Android ADB]
9FXJ2P	File System [Android ADB]
9GPMN6	FileSystem
9GR8JK	File systems

TABLE 1

Question 3 - Examination Questions	
WebCode	**Response**
9HXAYJ	File System – Android ADB
9NP7QZ	File System [Android ADB]
9VBVTJ	File System (Android ADB)
AEE66Z	File System
BEDQWX	File System
BJ8KUY	File System [Android ADB]
BWDJ36	File System (Android ADB)
CKE3TU	File System
CMDAJF	Qualcomm Live FileSystem [Android ADB]
CV7MHE	File System [Android ADB]
D3UPWH	File System extraction
DCYWBH	File System [Android ADB]
DRCCA8	Qualcomm Live File System
E6RW87	File System (Android ADB)
EG9GR3	File System (Android ADB) (Qualcomm Live)
ET2Z8T	File system (Android ADB)
F6WE64	File System (Android ADB)
GQ67MU	File System [Android ADB]
GVJ24Q	Fyle Sistem (Android ADB)
GZABDP	File System [Android ADB]
HFL6MD	File System [Android ADB]
HPTRTT	File System (Android ADB)
J9KCUA	File System [Android ADB]
JDCGME	File system [Android ADB]
KHNMYE	File system
L8H99X	File System [Android ADB]
LAK8JQ	FileSystem
MRLBLT	FileSystem
N3ECEN	File System [Android ADB]
P627WA	File System [Android ADB]
PT4ATM	File System [Android ADB]
QJBJKK	File System [Android ADB]
QP77KZ	File System [Android ADB]

TABLE 1

Question 3 - Examination Questions

WebCode	Response
QTKQLU	File System
QUUVYJ	FileSystem(Android ADB)
RG3NEM	File System [Android ADB]
RLG2JG	FileSystem
RY67PR	File System
TKK6AD	File System
UYXZ3E	File System (Android ADB)
VBWUKW	FileSystem
VNVZ3F	File System
W9FEZ2	File System [Android ADB]
WA93JW	File System
WFWWCN	File System [Android ADB]
WTJ2JK	File System [Android ADB]
WUBZXH	File System [Android ADB]
X9T8AA	File System[Android ADB]
XFRPTT	File System [Android ADB]
XRL7HU	FileSystem
XTDA69	File System
YKZEML	File System (Android ADB)
Z9P8ME	File System [Android ADB]
ZDWN3V	File System

Question 3: What type of extraction was performed?

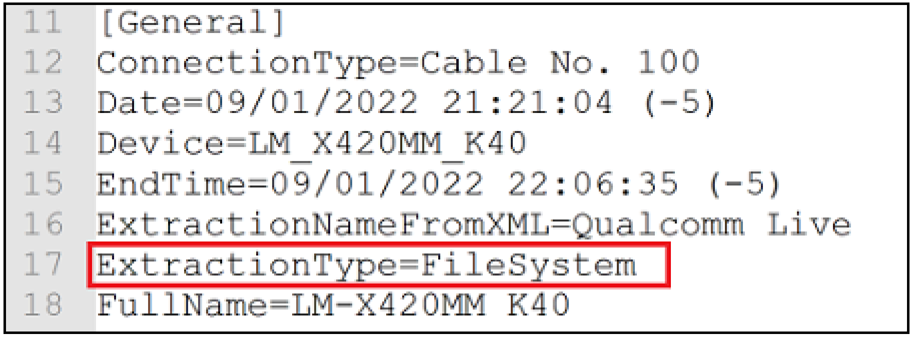
Consensus Result: File system

Expected Response Explanation:

This value is recorded by the acquisition tool and stored in the .ufd file.

Expected Response Illustration:

LG GSM_LM-X420MM K40.ufd

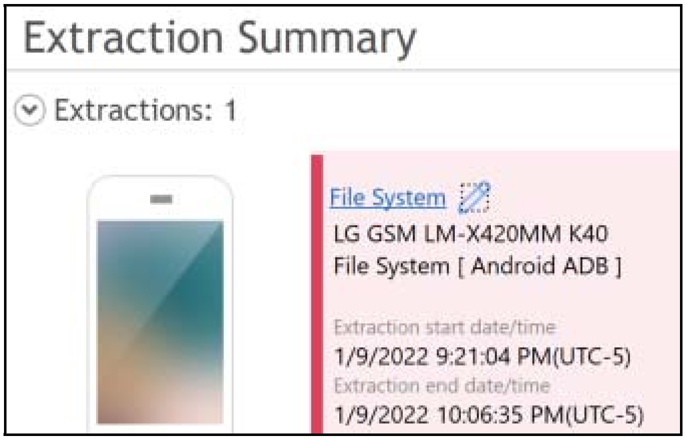


```
[General]
ConnectionType=Cable No. 100
Date=09/01/2022 21:21:04 (-5)
Device=LM_X420MM_K40
EndTime=09/01/2022 22:06:35 (-5)
ExtractionNameFromXML=Qualcomm Live
ExtractionType=FileSystem
FullName=LM-X420MM K40
```

TABLE 1

Question 3 - Examination Questions

Cellebrite Extraction Summary



Extraction Summary

Extractions: 1

File System

LG GSM LM-X420MM K40

File System [Android ADB]

Extraction start date/time

1/9/2022 9:21:04 PM(UTC-5)

Extraction end date/time

1/9/2022 10:06:35 PM(UTC-5)

TABLE 1

Question 4 - Examination Questions

Question 4: What is the version of extraction software used?

Manufacturer's Expected Response: 7.50.0.137

WebCode	Response
23UUZG	7.50.0.137
247Q88	7.50.0.137
27U7WG	7.50.0.137
2MYDBJ	7.50.0.137
2U62WX	7.50.0.137
3FVNA6	7.50.0.137
3KBBPV	7.50.0.137
3L3ECB	7.50.0.137
3UZ3CN	7.50.0.137
3XZD8N	7.50.0.137
4PWV2B	7.50.0.137
664BM3	7.50.0.137
6LUAVP	7.50.0.137
6TXZGF	1.2
7892QC	7.50.0.137
7MNEPN	7.50.0.137
7NFHC4	7.50.0.137
7TR7CZ	7.50.0.137
7YXY6B	Cellebrite UFED Version 7.50.0.137
8DBKAL	UFED version was 7.50.0.137
8PT6UJ	7.50.0.137
8Z6ED3	7.50.0.137
96CMUW	7.50.0.137
96F39J	7.50.0.137
9786VY	7.50.0.137
97V4FR	7.50.0.137
9A7CHG	7.50.0.137
9FXJ2P	7.50.0.137
9GPMN6	7.50.0.137
9GR8JK	7.50.0.137

TABLE 1

Question 4 - Examination Questions

WebCode	Response
9HXAYJ	7.50.0.137
9NP7QZ	7.50.0.137
9VBVTJ	UFED version 7.50.0.137
AEE66Z	7.50.0.137
BEDQWX	7.50.0.137
BJ8KUY	7.50.0.137
BWDJ36	UFED version 7.50.0.137
CKE3TU	7.50.0.137
CMDAJF	7.50.0.137
CV7MHE	7.50.0.137
D3UPWH	7.50.0.137
DCYWBH	7.50.0.137
DRCCA8	7.50.0.137
E6RW87	7.50.0.137
EG9GR3	7.50.0.137
ET2Z8T	7.50.0.137
F6WE64	7.50.0.137
GQ67MU	7.50.0.137
GVJ24Q	V. 7.50.0.137
GZABDP	7.50.0.137
HFL6MD	UFED version 7.50.0.137
HPTRTT	7.50.0.137
J9KCUA	7.50.0.137
JDCGME	7.50.0.137
KHNMYE	UFED version 7.50.0.137
L8H99X	7.50.0.137
LAK8JQ	7.50.0.137
MRLBLT	7.50.0.137
N3ECEN	7.50.0.137
P627WA	7.50.0.137
PT4ATM	UFED Version 7.50.0.137
QJBJKK	7.50.0.137
QP77KZ	7.50.0.137

TABLE 1

Question 4 - Examination Questions

WebCode	Response
QTKQLU	7.50.0.137
QUUVYJ	7.50.0.137
RG3NEM	7.50.0.137
RLG2JG	14.3.1.0
RY67PR	7.50.0.137
TKK6AD	7.50.0.137
UYXZ3E	7.50.0.137
VBWUKW	7.50.0.137
VNVZ3F	Version UFED 7.50.0.137
W9FEZ2	7.50.0.137
WA93JW	7.50.0.137
WFWWCN	7.50.0.137
WTJ2JK	7.50.0.137
WUBZXH	7.50.0.137
X9T8AA	7.50.0.137
XFRPTT	UFED Version 7.50.0.137
XRL7HU	7.50.0.137
XTDA69	7.50.0.137
YKZEML	7.50.0.137
Z9P8ME	7.50.0.137
ZDWN3V	7.50.0.137

Question 4: What is the version of extraction software used?

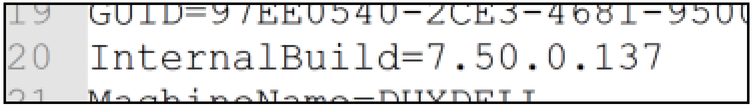
Consensus Result: 7.50.0.137

Expected Response Explanation:

This value is recorded by the acquisition tool and stored in the .ufd file.

Expected Response Illustration:

LG GSM_LM-X420MM K40.ufd



```
GUID=97EE0540-2CE3-4681-950
InternalBuild=7.50.0.137
MachineName=DUXDELL
```

TABLE 1

Question 5 - Examination Questions

Question 5: What is the set time zone for this phone? Provide answer in the following format: Country/City.

Manufacturer's Expected Response: America/Chicago or America/New York or UTC-5

WebCode	Response
23UUZG	America/Chicago
247Q88	US/Virginia
27U7WG	America/Chicago
2MYDBJ	America/New_York
2U62WX	America/Chicago
3FVNA6	America/New York
3KBBPV	America/Chicago
3L3ECB	America/Chicago
3UZ3CN	America/Chicago
3XZD8N	America/Chicago
4PWV2B	America / New York
664BM3	America/Chicago
6LUAVP	America/Chicago
6TXZGF	America/Chicago
7892QC	America/New_York
7MNEPN	United States / New York EST
7NFHC4	America/Chicago
7TR7CZ	US/Virginia
7YXY6B	America/Chicago
8DBKAL	America/New York (UTC -5)
8PT6UJ	America/Chicago (or America/Illinois)
8Z6ED3	America/Chicago
96CMUW	US/Virginia
96F39J	America/Chicago
9786VY	America/Chicago
97V4FR	America/Chicago
9A7CHG	America/Illinois (Chicago)
9FXJ2P	America/Chicago
9GPMN6	America/Chicago
9GR8JK	America/Chicago

TABLE 1

Question 5 - Examination Questions

WebCode	Response
9HXAYJ	America/Chicago
9NP7QZ	en-US
9VBVTJ	America/Chicago
AEE66Z	UK Greenwich London
BEDQWX	America/Chicago
BJ8KUY	America/Chicago
BWDJ36	America/Chicago
CKE3TU	America/Chicago
CMDAJF	America/Chicago
CV7MHE	America/New York
D3UPWH	Not within laboratory's scope
DCYWBH	America/New_York
DRCCA8	America/New York
E6RW87	America/Chicago
EG9GR3	America/New York
ET2Z8T	America/Chicago
F6WE64	America/New York
GQ67MU	America/Chicago
GVJ24Q	US/CHICAGO
GZABDP	Original UTC value
HFL6MD	UTC-5 (USA/Virginia) = area code of 571 for first three numbers of phone number
HPTRTT	America/Chicago
J9KCUA	America/Chicago
JDCGME	America/Chicago
KHNMYE	America/Chicago
L8H99X	America/Chicago
LAK8JQ	America/Chicago
MRLBLT	America/Chicago
N3ECEN	America/New York
P627WA	America/Chicago
PT4ATM	America/New_York
QJBJKK	America/Chicago
QP77KZ	America/Chicago

TABLE 1

Question 5 - Examination Questions	
WebCode	**Response**
QTKQLU	America/Chicago
QUUVYJ	America/Chicago
RG3NEM	America/Chicago
RLG2JG	America/Chicago
RY67PR	America/New York
TKK6AD	America/Chicago
UYXZ3E	America/New_York
VBWUKW	America/New_York
VNVZ3F	[America/Chicago]
W9FEZ2	America/Chicago
WA93JW	UTC/-5
WFWWCN	America/Chicago
WTJ2JK	UTC+0 (England, London)
WUBZXH	America/Chicago
X9T8AA	America/Chicago
XFRPTT	America/Chicago
XRL7HU	America/Chicago
XTDA69	America/Chicago
YKZEML	America/Chicago
Z9P8ME	EXTRACTION SUMMARY SHOWING (UTC-5) DATABASE SHOWS America/Chicago
ZDWN3V	America / Chicago

Question 5: What is the set time zone for this phone? Provide answer in the following format: Country/City.

Consensus Result: America/Chicago. Responses of America/New York and UTC-5 were also accepted and are discussed further in the Explanation section.

Expected Response Explanation:

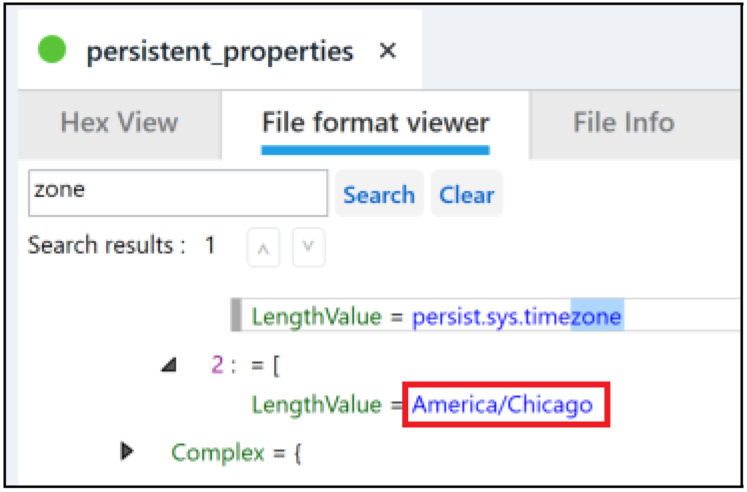
This information is stored in /data/property/persistent_properties and /data/data/com.android.providers.calendar/databases/calendar.db. The expected offset was UTC-5. When the phone material was prepared and extracted, the time zone would have been Chicago Daylight Time (CDT, i.e., UTC-5). When participants conducted the analysis, clocks had returned to standard time making UTC-5 equivalent to Eastern Standard Time (America/ New York). Depending on the settings of the participant's workstation and analysis software, and the particular artifact referenced, it is possible this time setting was interpreted as this value.

TABLE 1

Question 5 - Examination Questions

Expected Response Illustration:

persistent_properties

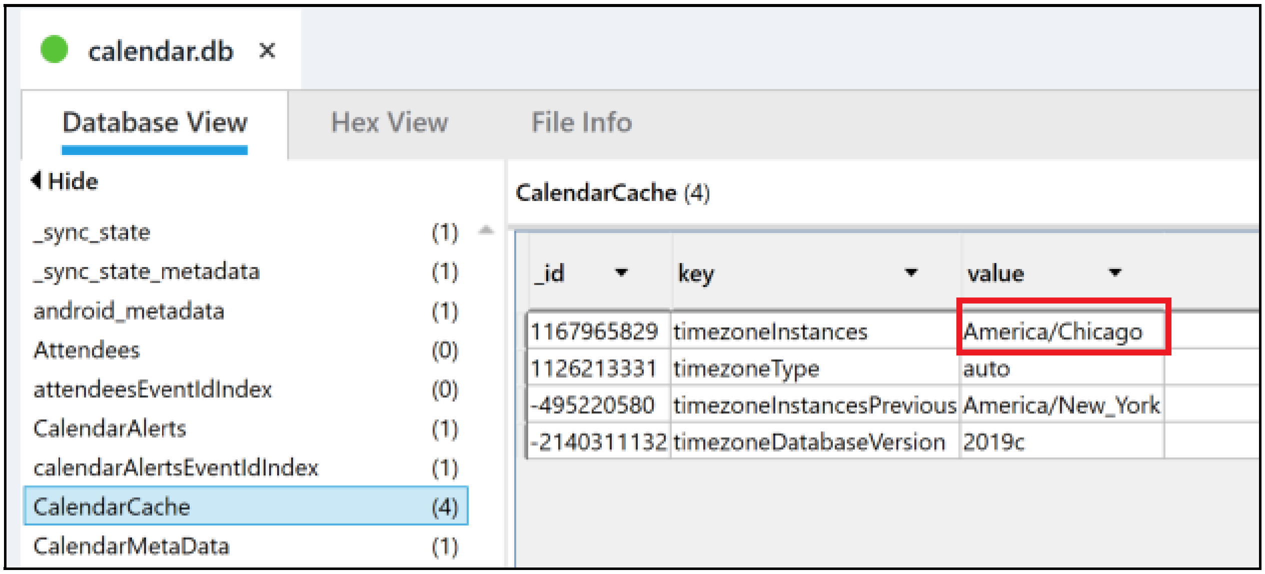


zone

Search results : 1

```
            LengthValue = persist.sys.timezone
      ◢  2 : = [
            LengthValue = America/Chicago
   ▶  Complex = {
```

calendar.db



_sync_state	(1)
_sync_state_metadata	(1)
android_metadata	(1)
Attendees	(0)
attendeesEventIdIndex	(0)
CalendarAlerts	(1)
calendarAlertsEventIdIndex	(1)
CalendarCache	(4)
CalendarMetaData	(1)

CalendarCache (4)

_id	key	value
1167965829	timezoneInstances	America/Chicago
1126213331	timezoneType	auto
-495220580	timezoneInstancesPrevious	America/New_York
-2140311132	timezoneDatabaseVersion	2019c

TABLE 1

Question 6 - Examination Questions

Question 6: Provide the device owner's full name.

Manufacturer's Expected Response: Joseph Marcona

WebCode	Response
23UUZG	Joseph Marcona
247Q88	Joseph Marcona
27U7WG	Joseph Marcona
2MYDBJ	Joseph Marcona
2U62WX	Joseph Marcona
3FVNA6	Joseph Marcona
3KBBPV	Joseph Marcona
3L3ECB	Joseph Marcona
3UZ3CN	Joseph Marcona
3XZD8N	Joseph Marcona
4PWV2B	Joseph Marcona
664BM3	Joseph Marcona
6LUAVP	Joseph Marcona
6TXZGF	Joseph Marcona
7892QC	Joseph Marcona
7MNEPN	Joseph Marcona
7NFHC4	Joseph Marcona
7TR7CZ	Joseph Marcona
7YXY6B	Joseph Marcona
8DBKAL	Joseph Marcona
8PT6UJ	Joseph Marcona
8Z6ED3	Joseph Marcona
96CMUW	Joseph Marcona
96F39J	Joseph Marcona
9786VY	Joseph Marcona
97V4FR	Joseph Marcona
9A7CHG	Joseph Marcona
9FXJ2P	Joseph Marcona
9GPMN6	Joseph Marcona
9GR8JK	Joseph Marcona

TABLE 1

Question 6 - Examination Questions

WebCode	Response
9HXAYJ	Joseph Marcona
9NP7QZ	Joseph Marcona
9VBVTJ	Joseph Marcona
AEE66Z	Joseph Marcona
BEDQWX	Joseph Marcona
BJ8KUY	Joseph Marcona
BWDJ36	Joseph Marcona
CKE3TU	Joseph Marcona
CMDAJF	Joseph Marcona
CV7MHE	Joseph Marcona
D3UPWH	Joseph Marcona
DCYWBH	Joseph Marcona
DRCCA8	Joseph Marcona
E6RW87	Joseph Marcona
EG9GR3	Joseph Marcona
ET2Z8T	Joseph Marcona
F6WE64	Joseph Marcona
GQ67MU	Joseph Marcona
GVJ24Q	Joseph Marcona
GZABDP	Joseph Marcona
HFL6MD	Joseph Marcona
HPTRTT	Joseph Marcona
J9KCUA	Joseph Marcona
JDCGME	Jospeh Marcona
KHNMYE	Joseph Marcona
L8H99X	Joseph Marcona
LAK8JQ	Joseph Marcona
MRLBLT	Joseph Marcona
N3ECEN	joseph marcona
P627WA	Joseph Marcona
PT4ATM	Joseph Marcona
QJBJKK	Joseph Marcona
QP77KZ	Joseph Marcona

TABLE 1

Question 6 - Examination Questions

WebCode	Response
QTKQLU	Joseph Marcona
QUUVYJ	Joseph Marcona
RG3NEM	Joseph Marcona
RLG2JG	Joseph Marcona
RY67PR	Joseph Marcona
TKK6AD	Joseph Marcona
UYXZ3E	Joseph Marcona
VBWUKW	Joseph Marcona
VNVZ3F	Joseph Marcona
W9FEZ2	Joseph Marcona
WA93JW	Joseph Marcona
WFWWCN	Joseph Marcona
WTJ2JK	Joseph Marcona
WUBZXH	Joseph Marcona
X9T8AA	Joseph Marcona
XFRPTT	Joseph Marcona
XRL7HU	Joseph Marcona
XTDA69	Joseph Marcona
YKZEML	Joseph Marcona
Z9P8ME	Joseph Marcona
ZDWN3V	Joseph Marcona

Question 6: Provide the device owner's full name.

Consensus Result: Joseph Marcona

Expected Response Explanation:

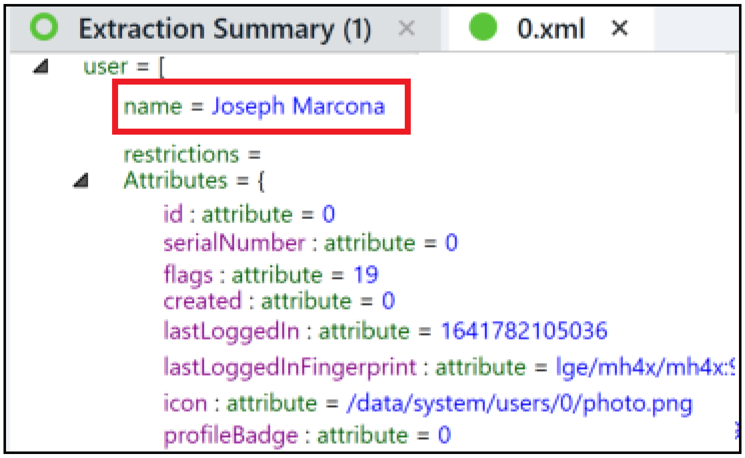
This information is stored in /data/system/users/0.xml.

TABLE 1

Question 6 - Examination Questions

Expected Response Illustration:

0.xml



```
◢  user = [
       name = Joseph Marcona

       restrictions =
   ◢   Attributes = {
           id : attribute = 0
           serialNumber : attribute = 0
           flags : attribute = 19
           created : attribute = 0
           lastLoggedIn : attribute = 1641782105036
           lastLoggedInFingerprint : attribute = lge/mh4x/mh4x:
           icon : attribute = /data/system/users/0/photo.png
           profileBadge : attribute = 0
```

TABLE 1

Question 7 - Examination Questions

Question 7: What is the account name (email address) for this device's backup account?

Manufacturer's Expected Response: josephmarcona@gmail.com

WebCode	Response
23UUZG	josephmarcona@gmail.com
247Q88	josephmarcona@gmail.com
27U7WG	josephmarcona@gmail.com
2MYDBJ	josephmarcona@gmail.com
2U62WX	josephmarcona@gmail.com
3FVNA6	josephmarcona@gmail.com
3KBBPV	josephmarcona@gmail.com
3L3ECB	josephmarcona@gmail.com
3UZ3CN	josephmarcona@gmail.com
3XZD8N	josephmarcona@gmail.com
4PWV2B	josephmarcona@gmail.com
664BM3	josephmarcona@gmail.com
6LUAVP	josephmarcona@gmail.com
6TXZGF	josephmarcona@gmail.com
7892QC	josephmarcona@gmail.com
7MNEPN	josephmarcona@gmail.com
7NFHC4	josephmarcona@gmail.com
7TR7CZ	josephmarcona@gmail.com
7YXY6B	josephmarcona@gmail.com
8DBKAL	josephmarcona@gmail.com
8PT6UJ	josephmarcona@gmail.com
8Z6ED3	josephmarcona@gmail.com
96CMUW	josephmarcona@gmail.com
96F39J	josephmarcona@gmail.com
9786VY	josephmarcona@gmail.com
97V4FR	josephmarcona@gmail.com
9A7CHG	josephmarcona@gmail.com
9FXJ2P	josephmarcona@gmail.com
9GPMN6	josephmarcona@gmail.com
9GR8JK	josephmarcona@gmail.com

TABLE 1

Question 7 - Examination Questions

WebCode	Response
9HXAYJ	josephmarcona@gmail.com
9NP7QZ	josephmarcona@gmail.com
9VBVTJ	josephmarcona@gmail.com
AEE66Z	josephmarcona@gmail.com
BEDQWX	josephmarcona@gmail.com
BJ8KUY	josephmarcona@gmail.com
BWDJ36	josephmarcona@gmail.com
CKE3TU	josephmarcona@gmail.com
CMDAJF	josephmarcona@gmail.com
CV7MHE	josephmarcona@gmail.com
D3UPWH	josephmarcona@gmail.com
DCYWBH	josephmarcona@gmail.com
DRCCA8	josephmarcona@gmail.com
E6RW87	josephmarcona@gmail.com
EG9GR3	josephmarcona@gmail.com
ET2Z8T	josephmarcona@gmail.com
F6WE64	josephmarcona@gmail.com
GQ67MU	josephmarcona@gmail.com
GVJ24Q	josephmarcona@gmail.com
GZABDP	josephmarcona@gmail.com
HFL6MD	josephmarcona@gmail.com
HPTRTT	josephmarcona@gmail.com
J9KCUA	josephmarcona@gmail.com
JDCGME	jospehmarcona@gmail.com
KHNMYE	josephmarcona@gmail.com
L8H99X	josephmarcona@gmail.com
LAK8JQ	josephmarcona@gmail.com
MRLBLT	josephmarcona@gmail.com
N3ECEN	josephmarcona@gmail.com
P627WA	JosephMarcona@gmail.com
PT4ATM	josephmarcona@gmail.com
QJBJKK	josephmarcona@gmail.com
QP77KZ	josephmarcona@gmail.com

TABLE 1

Question 7 - Examination Questions

WebCode	Response
QTKQLU	josephmarcona@gmail.com
QUUVYJ	josephmarcona@gmail.com
RG3NEM	josephmarcona@gmail.com
RLG2JG	josephmarcona@gmail.com
RY67PR	josephmarcona@gmail.com
TKK6AD	josephmarcona@gmail.com
UYXZ3E	josephmarcona@gmail.com
VBWUKW	josephmarcona@gmail.com
VNVZ3F	josephmarcona@gmail.com
W9FEZ2	josephmarcona@gmail.com
WA93JW	josephmarcona@gmail.com
WFWWCN	josephmarcona@gmail.com
WTJ2JK	josephmarcona@gmail.com
WUBZXH	josephmarcona@gmail.com
X9T8AA	josephmarcona@gmail.com
XFRPTT	josephmarcona@gmail.com
XRL7HU	josephmarcona@gmail.com
XTDA69	josephmarcona@gmail.com
YKZEML	josephmarcona@gmail.com
Z9P8ME	josephmarcona@gmail.com
ZDWN3V	josephmarcona@gmail.com

Question 7: What is the account name (email address) for this device's backup account?

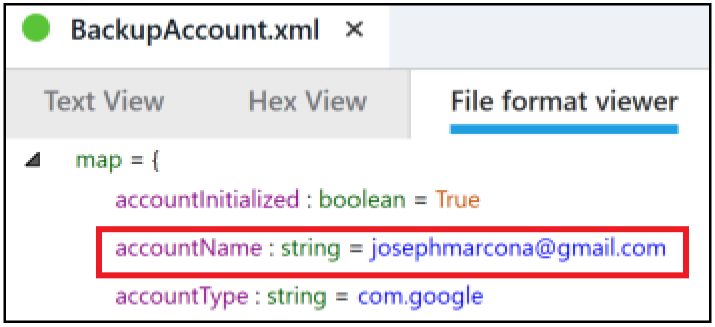
Consensus Result: josephmarcona@gmail.com

Expected Response Explanation:

This information is stored in /data/data/com.google.android.gms/shared_prefs/BackupAccount.xml.

Expected Response Illustration:

BackupAccount.xml



```
map = {
    accountInitialized : boolean = True
    accountName : string = josephmarcona@gmail.com
    accountType : string = com.google
```

TABLE 1

Question 8 - Examination Questions

Question 8: What is the Default Gateway MAC Address of the Wifi Hotspot named “TSC_Customer_Wi-Fi” (connected to by this phone)?

Manufacturer's Expected Response: 00:00:0c:07:ac:0e

WebCode	Response
23UUZG	00:00:0c:07:ac:0e
247Q88	00:00:0c:07:ac:0e
27U7WG	00:00:0c:07:ac:0e
2MYDBJ	00:00:0c:07:ac:0e
2U62WX	00:00:0c:07:ac:0e
3FVNA6	00:00:0c:07:ac:0e
3KBBPV	00:00:0c:07:ac:0e
3L3ECB	00:00:0c:07:ac:0e
3UZ3CN	00:00:0c:07:ac:0e
3XZD8N	00:00:0c:07:ac:0e
4PWV2B	00:00:0c:07:ac:0e
664BM3	00:00:0c:07:ac:0e
6LUAVP	00:00:0c:07:ac:0e
6TXZGF	00:00:0c:07:ac:0e
7892QC	00:00:0c:07:ac:0e
7MNEPN	00:00:0c:07:ac:0e
7NFHC4	00:00:0c:07:ac:0e
7TR7CZ	00:00:0c:07:ac:0e
7YXY6B	c8:f3:19:50:c4:d8
8DBKAL	00:00:0c:07:ac:0e
8PT6UJ	00:00:0c:07:ac:0e
8Z6ED3	00:00:0c:07:ac:0e
96CMUW	00:00:0c:07:ac:0e
96F39J	00:00:0c:07:ac:0e
9786VY	00:00:0c:07:ac:0e
97V4FR	00:00:0c:07:ac:0e
9A7CHG	00:00:0c:07:ac:0e
9FXJ2P	00:00:0c:07:ac:0e
9GPMN6	00:00:0c:07:ac:0e

TABLE 1

Question 8 - Examination Questions

WebCode	Response
9GR8JK	00:00:0c:07:ac:0e
9HXAYJ	00:00:0c:07:ac:0e
9NP7QZ	00:00:0c:07:ac:0e
9VBVTJ	00:00:0c:07:ac:0e
AEE66Z	C8:F3:19:EF:91:D5
BEDQWX	00:00:0c:07:ac:0e
BJ8KUY	00:00:0c:07:ac:0e
BWDJ36	00:00:0c:07:ac:0e
CKE3TU	00:00:0c:07:ac:0e
CMDAJF	00:00:0c:07:ac:0e
CV7MHE	00:00:0c:07:ac:0e
D3UPWH	Not within laboratory's scope
DCYWBH	00:00:0c:07:ac:0e
DRCCA8	00:00:0c:07:ac:0e
E6RW87	00:00:0c:07:ac:0e
EG9GR3	00:00:0c:07:ac:0e (Wifi ConfigStore.xml)
ET2Z8T	00:00:0c:07:ac:0e
F6WE64	00:00:0c:07:ac:0e
GQ67MU	00:00:0c:07:ac:0e
GVJ24Q	00:00:0c:07:ac:0e
GZABDP	00:00:0c:07:ac:0e
HFL6MD	00:00:0c:07:ac:0e
HPTRTT	00:00:0c:07:ac:0e
J9KCUA	00:00:0c:07:ac:0e
JDCGME	00:00:0c:07:ac:0e
KHNMYE	00:00:0c:07:ac:0e
L8H99X	00:00:0c:07:ac:0e
LAK8JQ	00:00:0c:07:ac:0e
MRLBLT	00:00:0c:07:ac:0e
N3ECEN	00:00:0c:07:ac:0e
P627WA	00:00:0c:07:ac:0e
PT4ATM	00:00:0c:07:ac:0e
QJBJKK	00:00:0c:07:ac:0e

TABLE 1

Question 8 - Examination Questions	
WebCode	**Response**
QP77KZ	00:00:0c:07:ac:0e
QTKQLU	00:00:0c:07:ac:0e
QUUVYJ	00:00:0c:07:ac:0e
RG3NEM	00:00:0c:07:ac:0e
RLG2JG	00:00:0c:07:ac:0e
RY67PR	00:00:0c:07:ac:0e
TKK6AD	00:00:0c:07:ac:0e
UYXZ3E	00:00:0c:07:ac:0e
VBWUKW	00:00:0c:07:ac:0e
VNVZ3F	00:00:0c:07:ac:0e
W9FEZ2	00:00:0c:07:ac:0e
WA93JW	00:00:0c:07:ac:0e
WFWWCN	00:00:0c:07:ac:0e
WTJ2JK	00:00:0c:07:ac:0e
WUBZXH	00:00:0c:07:ac:0e
X9T8AA	00:00:0c:07:ac:0e
XFRPTT	00:00:0c:07:ac:0e
XRL7HU	00:00:0c:07:ac:0e
XTDA69	00:00:0c:07:ac:0e
YKZEML	00:00:0c:07:ac:0e
Z9P8ME	00:00:0c:07:ac:0e
ZDWN3V	00:00:0c:07:ac:0e

Question 8: What is the Default Gateway MAC Address of the Wifi Hotspot named “TSC_Customer_Wi-Fi” (connected to by this phone)?

Consensus Result: 00:00:0c:07:ac:0e

Expected Response Explanation:

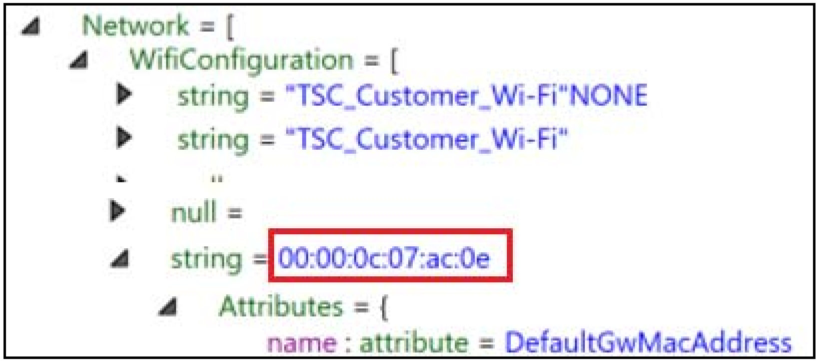
This information is stored in data/misc/wifi/WifiConfigStore.xml.

TABLE 1

Question 8 - Examination Questions

Expected Response Illustration:

WifiConfigStore.xml



```
◢ Network = [
    ◢ WifiConfiguration = [
        ▶ string = "TSC_Customer_Wi-Fi"NONE
        ▶ string = "TSC_Customer_Wi-Fi"
        ▶ null =
        ◢ string = 00:00:0c:07:ac:0e
            ◢ Attributes = {
                  name : attribute = DefaultGwMacAddress
```

TABLE 1

Question 9 - Examination Questions

Question 9: What is the password (Pre-Shared Key) for the Wi-Fi access point with SSID “M2000-CD6C”?

Manufacturer's Expected Response: 8c6a2a5d

WebCode	Response
23UUZG	8c6a2a5d
247Q88	8c6a2a5d
27U7WG	8c6a2a5d
2MYDBJ	8c6a2a5d
2U62WX	8c6a2a5d
3FVNA6	8c6a2a5d
3KBBPV	8c6a2a5d
3L3ECB	8c6a2a5d
3UZ3CN	8c6a2a5d
3XZD8N	8c6a2a5d
4PWV2B	8c6a2a5d
664BM3	8c6a2a5d
6LUAVP	8c6a2a5d
6TXZGF	8c6a2a5d
7892QC	8c6a2a5d
7MNEPN	8c6a2a5d
7NFHC4	8c6a2a5d
7TR7CZ	8c6a2a5d
7YXY6B	8c6a2a5d
8DBKAL	The network password for the network M2000-CD6C is "8c6a2a5d".
8PT6UJ	8c6a2a5d
8Z6ED3	8c6a2a5d
96CMUW	8c6a2a5d
96F39J	8c6a2a5d
9786VY	8c6a2a5d
97V4FR	8c6a2a5d
9A7CHG	8c6a2a5d
9FXJ2P	8c6a2a5d
9GPMN6	8c6a2a5d
9GR8JK	8c6a2a5d

TABLE 1

Question 9 - Examination Questions

WebCode	Response
9HXAYJ	8c6a2a5d
9NP7QZ	8c6a2a5d
9VBVTJ	8c6a2a5d
AEE66Z	8c6a2a5d
BEDQWX	8c6a2a5d
BJ8KUY	8c6a2a5d
BWDJ36	8c6a2a5d
CKE3TU	8c6a2a5d
CMDAJF	8c6a2a5d
CV7MHE	8c6a2a5d
D3UPWH	Not within laboratory's scope
DCYWBH	8c6a2a5d
DRCCA8	8c6a2a5d
E6RW87	8c6a2a5d
EG9GR3	8c6a2a5d (Wifi ConfigStore.xml)
ET2Z8T	8c6a2a5d
F6WE64	8c6a2a5d
GQ67MU	8c6a2a5d
GVJ24Q	nopassword
GZABDP	8c6a2a5d
HFL6MD	8c6a2a5d
HPTRTT	8c6a2a5d
J9KCUA	8c6a2a5d
JDCGME	8c6a2a5d
KHNMYE	8c6a2a5d
L8H99X	8c6a2a5d
LAK8JQ	8c6a2a5d
MRLBLT	8c6a2a5d
N3ECEN	8c6a2a5d
P627WA	8c6a2a5d
PT4ATM	"8c6a2a5d"
QJBJKK	8c6a2a5d
QP77KZ	8c6a2a5d

TABLE 1

Question 9 - Examination Questions

WebCode	Response
QTKQLU	8c6a2a5d
QUUVYJ	8c6a2a5d
RG3NEM	8c6a2a5d
RLG2JG	8c6a2a5d
RY67PR	8c6a2a5d
TKK6AD	8c6a2a5d
UYXZ3E	8c6a2a5d
VBWUKW	8c6a2a5d
VNVZ3F	8c6a2a5d
W9FEZ2	8c6a2a5d
WA93JW	8c6a2a5d
WFWWCN	8c6a2a5d
WTJ2JK	8c6a2a5d
WUBZXH	8c6a2a5d
X9T8AA	8c6a2a5d
XFRPTT	8c6a2a5d
XRL7HU	8c6a2a5d
XTDA69	8c6a2a5d
YKZEML	8c6a2a5d
Z9P8ME	"8c6a2a5d"
ZDWN3V	8c6a2a5d

Question 9: What is the password (Pre-Shared Key) for the Wi-Fi access point with SSID “M2000-CD6C”?

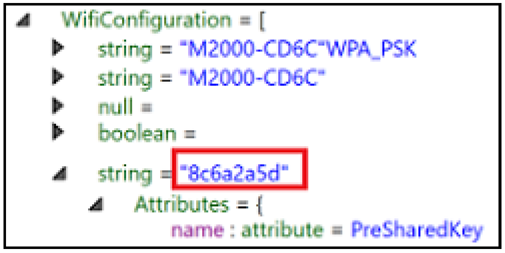
Consensus Result: 8c6a2a5d

Expected Response Explanation:

This information is stored in data/misc/wifi/WifiConfigStore.xml.

Expected Response Illustration:

WifiConfigStore.xml



```
◢ WifiConfiguration = [
    ▶ string = "M2000-CD6C"WPA_PSK
    ▶ string = "M2000-CD6C"
    ▶ null =
    ▶ boolean =
    ◢ string = "8c6a2a5d"
        ◢ Attributes = {
            name : attribute = PreSharedKey
```

TABLE 1

Question 10 - Examination Questions

Question 10: What is the name of the Bluetooth device with MAC Address 98:d3:31:fc:1b:64?

Manufacturer's Expected Response: omicron

WebCode	Response
23UUZG	Omicron
247Q88	omicron
27U7WG	Omicron
2MYDBJ	Omicron
2U62WX	omicron
3FVNA6	omicron
3KBBPV	omicron
3L3ECB	omicron
3UZ3CN	omicron
3XZD8N	omicron
4PWV2B	omicron
664BM3	Omicron
6LUAVP	omicron
6TXZGF	omicron
7892QC	omicron
7MNEPN	omicron
7NFHC4	omicron
7TR7CZ	omicron
7YXY6B	omicron
8DBKAL	omicron
8PT6UJ	omicron
8Z6ED3	omicron
96CMUW	Omicron
96F39J	omicron
9786VY	omicron
97V4FR	omicron
9A7CHG	omicron
9FXJ2P	omicron
9GPMN6	omicron
9GR8JK	omicron

TABLE 1

Question 10 - Examination Questions

WebCode	Response
9HXAYJ	omicron
9NP7QZ	omicron
9VBVTJ	Omicron
AEE66Z	omicron
BEDQWX	omicron
BJ8KUY	omicron
BWDJ36	omicron
CKE3TU	omicron
CMDAJF	omicron
CV7MHE	omicron
D3UPWH	omicron
DCYWBH	omicron
DRCCA8	Omicron
E6RW87	Omicron
EG9GR3	omicron
ET2Z8T	omicron
F6WE64	omicron
GQ67MU	omicron
GVJ24Q	Omicron
GZABDP	omicron
HFL6MD	omicron
HPTRTT	omicron
J9KCUA	omicron
JDCGME	omincron
KHNMYE	omicron
L8H99X	omicron
LAK8JQ	omicron
MRLBLT	omicron
N3ECEN	omicron
P627WA	omicron
PT4ATM	omicron
QJBJKK	omicron
QP77KZ	omicron

TABLE 1

Question 10 - Examination Questions

WebCode	Response
QTKQLU	Omicron
QUUVYJ	omicron
RG3NEM	omicron
RLG2JG	omicron
RY67PR	omicron
TKK6AD	omicron
UYXZ3E	omicron
VBWUKW	omicron
VNVZ3F	omicron
W9FEZ2	omicron
WA93JW	omicron
WFWWCN	omicron
WTJ2JK	omicron
WUBZXH	omicron
X9T8AA	omicron
XFRPTT	omicron
XRL7HU	omicron
XTDA69	omicron
YKZEML	omicron
Z9P8ME	Omicron
ZDWN3V	omicron

Question 10: What is the name of the Bluetooth device with MAC Address 98:d3:31:fc:1b:64?

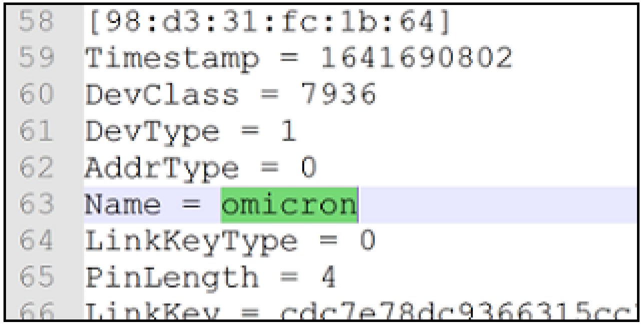
Consensus Result: omicron

Expected Response Explanation:

This information is stored in /data/misc/bluedroid/bt_config.conf.

Expected Response Illustration:

bt_config.conf



```
[98:d3:31:fc:1b:64]
Timestamp = 1641690802
DevClass = 7936
DevType = 1
AddrType = 0
Name = omicron
LinkKeyType = 0
PinLength = 4
LinkKey = cdc7e78dc9366315cc
```

TABLE 1

Question 11 - Examination Questions

Question 11: What is the date and time of the device record timestamp for the Bluetooth device with name VIRUS? Provide your response in UTC+0, using the automatic picker to select the date and time (24-hour).

Manufacturer's Expected Response: 2022-01-09 01:26

WebCode	Response
23UUZG	2022-01-09 01:26
247Q88	2022-01-09 01:26
27U7WG	2022-01-09 01:26
2MYDBJ	2022-01-09 01:26
2U62WX	2022-01-09 01:26
3FVNA6	2022-01-09 01:26
3KBBPV	2022-01-09 01:26
3L3ECB	2022-01-09 01:26
3UZ3CN	2022-01-09 01:26
3XZD8N	2022-01-09 01:26
4PWV2B	2022-01-09 01:26
664BM3	2022-01-09 01:26
6LUAVP	2022-01-09 01:26
6TXZGF	2022-01-09 01:26
7892QC	2022-01-09 01:26
7MNEPN	2022-01-09 01:26
7NFHC4	2022-01-09 01:26
7TR7CZ	2022-01-09 01:26
7YXY6B	2022-01-09 01:26
8DBKAL	2022-01-09 01:26
8PT6UJ	2022-01-09 01:26
8Z6ED3	2022-01-09 01:26
96CMUW	2022-01-09 01:16
96F39J	2022-01-09 01:26
9786VY	2022-01-09 01:26
97V4FR	2022-01-09 01:26
9A7CHG	2022-01-09 01:26
9FXJ2P	2022-01-09 01:26
9GPMN6	2022-01-09 01:26

TABLE 1

Question 11 - Examination Questions

WebCode	Response
9GR8JK	2022-01-09 01:26
9HXAYJ	2022-01-09 01:26
9NP7QZ	2022-01-09 01:26
9VBVTJ	2022-01-09 01:26
AEE66Z	2022-01-09 01:26
BEDQWX	2022-01-09 01:26
BJ8KUY	2022-01-09 01:26
BWDJ36	2022-01-09 01:26
CKE3TU	2022-01-09 01:26
CMDAJF	2022-01-09 01:26
CV7MHE	2022-01-09 01:26
D3UPWH	2022-01-09 01:26
DCYWBH	2022-01-09 01:26
DRCCA8	2022-01-09 01:26
E6RW87	2022-01-09 01:26
EG9GR3	2022-01-09 01:26
ET2Z8T	2022-01-09 01:26
F6WE64	2022-01-09 01:26
GQ67MU	2022-01-09 01:26
GVJ24Q	2022-01-09 01:26
GZABDP	2022-01-09 01:26
HFL6MD	2022-01-09 13:43
HPTRTT	2022-01-09 01:26
J9KCUA	2022-01-09 01:26
JDCGME	2022-01-09 01:26
KHNMYE	2022-01-09 01:26
L8H99X	2022-01-09 01:26
LAK8JQ	2022-01-09 01:26
MRLBLT	2022-01-09 01:26
N3ECEN	2022-01-09 01:26
P627WA	2022-01-09 01:26
PT4ATM	2022-01-09 01:26
QJBJKK	2022-01-09 01:26

TABLE 1

Question 11 - Examination Questions

WebCode	Response
QP77KZ	2022-01-09 01:26
QTKQLU	2022-01-09 01:26
QUUVYJ	2022-01-09 01:26
RG3NEM	2022-01-09 01:26
RLG2JG	2022-01-09 01:26
RY67PR	2022-01-09 01:26
TKK6AD	2022-01-09 01:26
UYXZ3E	2022-01-09 01:26
VBWUKW	2022-01-09 01:26
VNVZ3F	2022-01-09 01:26
W9FEZ2	2022-01-09 01:26
WA93JW	2022-01-09 01:26
WFWWCN	2022-01-09 01:26
WTJ2JK	2022-01-09 01:26
WUBZXH	2022-01-09 01:26
X9T8AA	2022-01-09 01:26
XFRPTT	2022-01-09 01:26
XRL7HU	2022-01-09 01:26
XTDA69	2022-01-09 01:26
YKZEML	2022-01-09 01:26
Z9P8ME	2022-01-09 13:43
ZDWN3V	2022-01-09 01:26

Question 11: What is the date and time of the device record timestamp for the Bluetooth device with name VIRUS? Provide your response in UTC+0, using the automatic picker to select the date and time (24-hour).

Consensus Result: 2022-01-09 01:26

Expected Response Explanation:

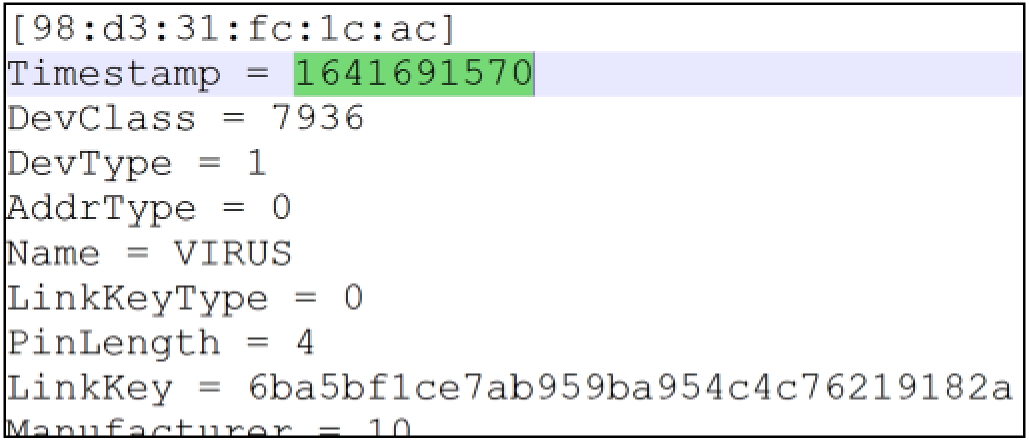
This information is stored as a Unix epoch timestamp (number of seconds elapsed since January 1, 1970) in /data/misc/bluedroid/bt_config.conf.

TABLE 1

Question 11 - Examination Questions

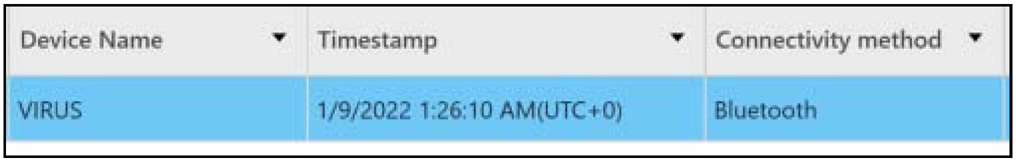
Expected Response Illustration:

bt_config.conf



```
[98:d3:31:fc:1c:ac]
Timestamp = 1641691570
DevClass = 7936
DevType = 1
AddrType = 0
Name = VIRUS
LinkKeyType = 0
PinLength = 4
LinkKey = 6ba5bf1ce7ab959ba954c4c76219182a
Manufacturer = 10
```

Cellebrite Device Connectivity Table



Device Name	Timestamp	Connectivity method
VIRUS	1/9/2022 1:26:10 AM(UTC+0)	Bluetooth

TABLE 1

Question 12 - Examination Questions

Question 12: What is the user's username for the Proton mail app? Report exactly as shown by the device.

Manufacturer's Expected Response: vaxcardz_R_us

WebCode	Response
23UUZG	vaxcardz_R_us@protonmail.com
247Q88	vaxcardz_R_us@protonmail.com
27U7WG	vaxcardz_R_us
2MYDBJ	vaxcardz_R_us (vaxcardz_R_us@protonmail.com)
2U62WX	vaxcardz_R_us
3FVNA6	vaxcardz_R_us
3KBBPV	vaxcardz_R_us
3L3ECB	vaxcardz_R_us@protonmail.com
3UZ3CN	vaxcardz_R_us@protonmail.com
3XZD8N	vaxcardz_R_us@protonmail.com
4PWV2B	vaxcardz_R_us
664BM3	mike_esss@protonmail.com
6LUAVP	vaxcardz_R_us (vaxcardz_R_us@protonmail.com)
6TXZGF	vaxcardz_R_us
7892QC	mike_esss@protonmail.com
7MNEPN	vaxcardz_R_us@protonmail.com
7NFHC4	vaxcardz_R_us
7TR7CZ	vaxcardz_R_us@protonmail.com
7YXY6B	vaxcardz_R_us
8DBKAL	vaxcardz_R_us@protonmail.com
8PT6UJ	vaxcardz_R_us
8Z6ED3	vaxcardz_R_us
96CMUW	vaxcardz_R_us
96F39J	vaxcardz_R_us
9786VY	vaxcardz_R_us
97V4FR	vaxcardz_R-us
9A7CHG	vaxcardz_R_us
9FXJ2P	vaxcardz_R_us@protonmail.com
9GPMN6	mike_esss@protonmail.com
9GR8JK	mike_esss@protonmail.com

TABLE 1

Question 12 - Examination Questions	
WebCode	**Response**
9HXAYJ	vaxcardz_R_us
9NP7QZ	mikespitz.uci , mike_esss@protonmail.com
9VBVTJ	vaxcardz_R_us
AEE66Z	Unknown (owner)
BEDQWX	vaxcardz_R_us@protonmail.com
BJ8KUY	vaxcardz_R_us
BWDJ36	vaxcardz_R_us
CKE3TU	vaxcardz_R_us@protonmail.com
CMDAJF	vaxcardz_R_us
CV7MHE	vaxcardz_R_us
D3UPWH	vaxcardz_R_us@protonmail.com
DCYWBH	vaxcardz_R_us@protonmail.com
DRCCA8	vaxcardz_R_us@protonmail.com
E6RW87	Mikespritz.uci
EG9GR3	Vaxcardz_R_us@protonmail.com
ET2Z8T	vaxcardz_R_us
F6WE64	vaxcardz_R_us
GQ67MU	vaxcardz_R_us
GVJ24Q	mike_esss@protonmail.com
GZABDP	vaxcardz_R_us@protonmail.com
HFL6MD	vaxcardz_R_us@protonmail.com
HPTRTT	vaxcardz_R_us
J9KCUA	vaxcardz_R_us@protonmail.com
JDCGME	vaxcardz_R-us
KHNMYE	vaxcardz_r_us@protonmail.com
L8H99X	vaxcardz_R_us
LAK8JQ	vaxcardz_R_us
MRLBLT	vaxcardz_R_us@protonmail.com
N3ECEN	mike_esss@protonmail.com
P627WA	vaxcardz_R_us@protonmail.com
PT4ATM	vaxcardz_R_us
QJBJKK	vaxcardz_R_us@protonmail.com
QP77KZ	vaxcardz_R_us

TABLE 1

Question 12 - Examination Questions

WebCode	Response
QTKQLU	vaxcardz_R_us
QUUVYJ	vaxcardz_R_us
RG3NEM	vaxcardz_R_us
RLG2JG	vaxcardz_R_us
RY67PR	mike_esss@protonmail.com
TKK6AD	vaxcardz_R_us
UYXZ3E	mike.esss@protonmail.com
VBWUKW	vaxcardz_R_us
VNVZ3F	vaxcardz_R_us@protonmail.com
W9FEZ2	vaxcardz_R_us
WA93JW	vaxcardz_R_us@protonmail.com
WFWWCN	vaxcardz_R_us
WTJ2JK	vaxcardz_R_us@protonmail.com
WUBZXH	vaxcardz_R_us
X9T8AA	vaxcardz_R_us
XFRPTT	vaxcardz_R_us@protonmail.com
XRL7HU	vaxcardz_R_us
XTDA69	vaxcardz_R_us
YKZEML	vaxcardz_R_us@protonmail.com
Z9P8ME	vaxcardz_R_us
ZDWN3V	vaxcardz_R_us (vaxcardz_R_us@protonmail.com)

Question 12: What is the user's username for the Proton mail app? Report exactly as shown by the device.

Consensus Result: vaxcardz_R_us or vaxcardz_R_us@protonmail.com

Expected Response Explanation:

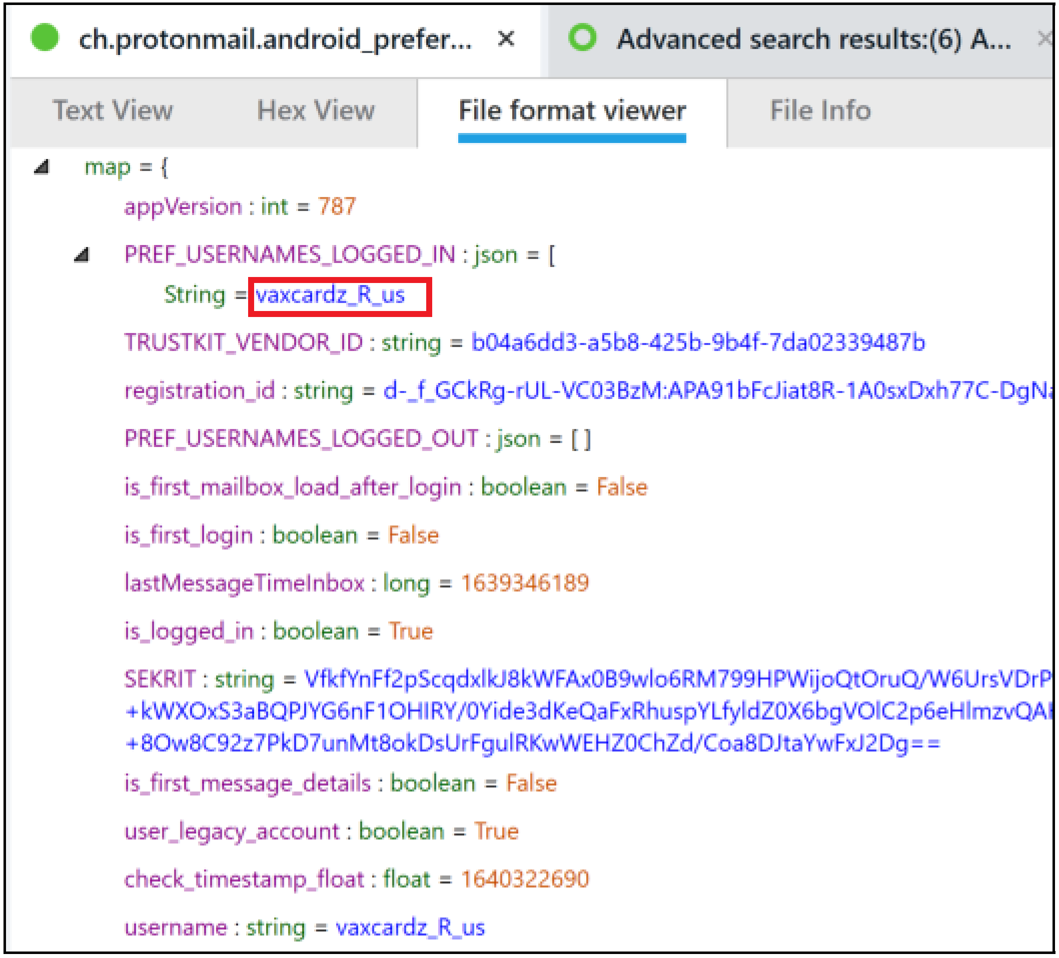
Configuration settings and preferences for the Protonmail app are stored in LG GSM_LM-X420MM /data/data/ch.protonmail.android/shared_prefs/ch.protonmail.android_preferences.xml.

TABLE 1

Question 12 - Examination Questions

Expected Response Illustration:

data/data/ch.protonmail.android/shared_prefs/ch.protonmail.android_preferences.xml


ch.protonmail.android_prefer...
Advanced search results:(6) A...
Text View
Hex View
File format viewer
File Info

```
◢ map = {
    appVersion : int = 787
  ◢ PREF_USERNAMES_LOGGED_IN : json = [
        String = vaxcardz_R_us
    TRUSTKIT_VENDOR_ID : string = b04a6dd3-a5b8-425b-9b4f-7da02339487b
    registration_id : string = d-_f_GCkRg-rUL-VC03BzM:APA91bFcJiat8R-1A0sxDxh77C-DgN
    PREF_USERNAMES_LOGGED_OUT : json = [ ]
    is_first_mailbox_load_after_login : boolean = False
    is_first_login : boolean = False
    lastMessageTimeInbox : long = 1639346189
    is_logged_in : boolean = True
    SEKRIT : string = VfkfYnFf2pScqdxlkJ8kWFAx0B9wlo6RM799HPWijoQtOruQ/W6UrsVDrP
    +kWXOxS3aBQPJYG6nF1OHIRY/0Yide3dKeQaFxRhuspYLfyldZ0X6bgVOlC2p6eHlmzvQA
    +8Ow8C92z7PkD7unMt8okDsUrFgulRKwWEHZ0ChZd/Coa8DJtaYwFxJ2Dg==
    is_first_message_details : boolean = False
    user_legacy_account : boolean = True
    check_timestamp_float : float = 1640322690
    username : string = vaxcardz_R_us
```

Other Responses:

Nine participants reported "mike_esss@protonmail.com". This was the email address for the other party in the Protonmail conversation, not the device user.

TABLE 1

Question 13 - Examination Questions

Question 13: What is the path, filename, and file extension of the file containing the word Taenioptynx? (e.g., /directory/subdirectory/name.extention)

Manufacturer's Expected Response: /data/media/0/Download/file.file

WebCode	Response
23UUZG	LG GSM_LM-X420MM K40.zip/data/media/ 0/Download/file.file
247Q88	\data\media\0\Download\file.file
27U7WG	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
2MYDBJ	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
2U62WX	/data/media/0/Download/file.file
3FVNA6	data/media/0/Download/file.file
3KBBPV	data/media/0/Download/file.file
3L3ECB	LG GSM_LM-X420MM K40.zip\data\media\0\Download\file.file
3UZ3CN	/data/media/0/Download/file.file
3XZD8N	/data/media/0/Download/file.file
4PWV2B	LG GSM_LM-X420MM K40.zip\Dump\data\media\0\Download\file.file
664BM3	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
6LUAVP	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
6TXZGF	\data\media\0\Download\file.file
7892QC	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
7MNEPN	LG GSM_LM-X420MM K40.zip\Dump\data\media\0\Download\file.file
7NFHC4	/data/media/0/Download/u7xbfpdhqf771.jpg
7TR7CZ	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
7YXY6B	/media/0/Download/file.file
8DBKAL	Dump\data\media\0\Download\file.file
8PT6UJ	/data/media/0/Download/file.file OR /data/media/0/Download/u7xbfpdhqf771.jpg
8Z6ED3	/data/media/0/Download/file.file
96CMUW	/Dump/data/media/0/Download/file.file
96F39J	LG GSM_LM-X420MM K40.zip/Dump/data/media/0/Download/file.file
9786VY	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
97V4FR	data/media/0/Download/file.file
9A7CHG	LG GSM_LM-X420MM K40.zip/data/media/0/Download/u7xbfpdhqf771.jpg LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
9FXJ2P	/data/media/0/Download/file.file
9GPMN6	/data/media/0/Download/file.file

TABLE 1

Question 13 - Examination Questions

WebCode	Response
9GR8JK	/data/media/0/Download/u7xbfpdhqf771.jpg
9HXAYJ	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
9NP7QZ	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
9VBVTJ	LG GSM_LM-X420MM K40.zip\Dump\data\media\0\Download\file.file
AEE66Z	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
BEDQWX	LG GSM_LM-X420MM K40.zip/Dump/data/media/0/Download/file.file
BJ8KUY	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
BWDJ36	/data/media/0/Download/u7xbfpdhqf771.jpg
CKE3TU	data/media/0/download/file.file
CMDAJF	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
CV7MHE	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
D3UPWH	Not within laboratory's scope
DCYWBH	LG GSM_LM-X420MM K40.zip\Dump\data\media\0\Download\file.file
DRCCA8	/data/media/ 0/Download/file.file
E6RW87	/LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
EG9GR3	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
ET2Z8T	/data/media/0/Download/file.file
F6WE64	/LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
GQ67MU	LG GSM_LM-X420MM K40.ZIP/data/media/0/Download/file.file
GVJ24Q	Google Photos josephmarcona@gmail.com/local media/u7xbfpdhqf771.jpg
GZABDP	/data/media/0/Download/file.file
HFL6MD	dump\data\media\0\download\file.file
HPTRTT	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
J9KCUA	/data/media/0/Download/file.file
JDCGME	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
KHNMYE	LG GSM_LM-X420MM K40.zip\Dump\data\media\0\Download\file.file
L8H99X	data/media/0/Download/file.file
LAK8JQ	/data/media/0/Download/file.file
MRLBLT	data\media\0\Download\file.file
N3ECEN	Dump\data\media\0\Download
P627WA	/data/media/0/Download/file.file
PT4ATM	/data/media/0/Download/file.file
QJBJKK	/data/media/0/Download/file.file

TABLE 1

Question 13 - Examination Questions

WebCode	Response
QP77KZ	\data\media\0\Download\file.file
QTKQLU	data/media0/Download/u7xbfpdhqf771.jpg
QUUVYJ	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
RG3NEM	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
RLG2JG	data/media/0/Download/file.file
RY67PR	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
TKK6AD	LG GSM_LM-X420MM K40.zip/Dump/data/media/0/Download/file.file
UYXZ3E	media/0/Download/file.file
VBWUKW	/data/media/0/Download/file.file
VNVZ3F	/data/media/0/Download/file.file
W9FEZ2	/data/media/0/Download/file.file
WA93JW	/local media/u7xbfpdhqf771.jpg/u7xbfpdhqf771.jpg_embedded_1.jpg
WFWWCN	/data/media/0/Download/u7xbfpdhqf771.jpg
WTJ2JK	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
WUBZXH	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
X9T8AA	Dump/data/media/0/Download/file.file
XFRPTT	LG GSM_LM-LGM GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
XRL7HU	/data/media/0/Download/file.file
XTDA69	/data/media/0/Download/file.file
YKZEML	/data/media/0/Download/File.file
Z9P8ME	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file
ZDWN3V	LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file

Question 13: What is the path, filename, and file extension of the file containing the word Taenioptynx? (e.g., /directory/subdirectory/name.extention)

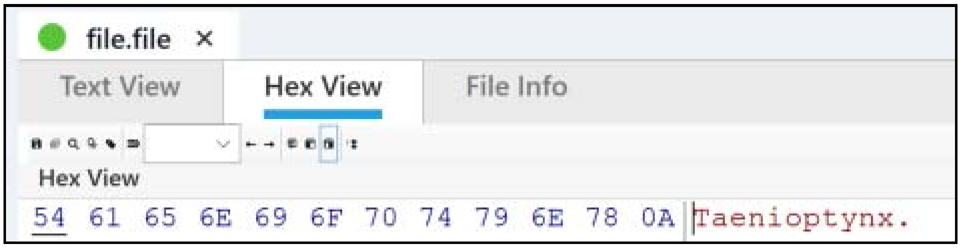
Consensus Result: /data/media/0/Download/file.file

Expected Response Explanation:

A keyword search of all files in the extraction will discover this file. This file is a simple text file containing only this word.

Expected Response Illustration:

file.file



```
54 61 65 6E 69 6F 70 74 79 6E 78 0A Taenioptynx.
```

TABLE 1

Question 13 - Examination Questions

Other Responses:

Nine participants reported data/media/0/Download/u7xbfpdhqf771.jpg as containing the keyword Taenioptynx. Upon further analysis, it was discovered that in some search contexts, such as searching the raw file dump, and possibly due to the small size of file.file (only 12 bytes), one commonly used commercial forensic tool misattributed file.file's content to the file immediately preceding it in the extraction archive, i.e. u7xbfpdhqf771.jpg. Despite this discrepancy, this tool did show the expected file location in two other places: under "More" it lists the expected file and, if you hover over the highlighted keyword hit (in hex or ASCII).

TABLE 1

Question 14 - Examination Questions

Question 14: What is SHA256 hash of the file containing the word Taenioptynx?

Manufacturer's Expected Response: 0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756

WebCode	Response
23UUZG	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
247Q88	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
27U7WG	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
2MYDBJ	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
2U62WX	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
3FVNA6	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
3KBBPV	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
3L3ECB	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
3UZ3CN	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
3XZD8N	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
4PWV2B	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
664BM3	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
6LUAVP	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
6TXZGF	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
7892QC	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
7MNEPN	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9d8924d2d756
7NFHC4	8714C878B7E344DFA8E578C944090C992F19CC950805507BCCE8B64063A25F1C
7TR7CZ	94f5dbb249e44922e7993290a6d4dfc5 (MD5)
7YXY6B	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
8DBKAL	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
8PT6UJ	File.file 0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756 OR u7xbfpdhqf771.jpg 8714C878B7E344DFA8E578C944090C992F19CC950805507BCCE8B64063A25F1C
8Z6ED3	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
96CMUW	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
96F39J	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
9786VY	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
97V4FR	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
9A7CHG	LG GSM_LM-X420MM K40.zip/data/media/0/Download/u7xbfpdhqf771.jpg 8714C878B7E344DFA8E578C944090C992F19CC950805507BCCE8B64063A25F1C LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file 0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756

TABLE 1

Question 14 - Examination Questions

WebCode	Response
9FXJ2P	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
9GPMN6	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
9GR8JK	8714C878B7E344DFA8E578C944090C992F19CC950805507BCCE8B64063A25F1C
9HXAYJ	0544D8F0C84B7C141DABA3D2EDA141D07E75576CDE9F0A6A8C9BA9D8924D2D756
9NP7QZ	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
9VBVTJ	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
AEE66Z	eb00f3c87de5e2e8fc4106a57177b3f8be76ca223985f50174a24caeac36ebc9
BEDQWX	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
BJ8KUY	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
BWDJ36	8714c878b7e344dfa8e578c944090c992f19cc950805507bcce8b64063a25f1c
CKE3TU	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
CMDAJF	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
CV7MHE	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
D3UPWH	Not within laboratory's scope
DCYWBH	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
DRCCA8	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
E6RW87	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
EG9GR3	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
ET2Z8T	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
F6WE64	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
GQ67MU	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
GVJ24Q	8714c878b7e344dfa8e578c944090c992f19cc950805507bcce8b64063a25f1c
GZABDP	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
HFL6MD	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
HPTRTT	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
J9KCUA	0544d8f0c84b7c141d07e7576cde9f0a6a8c9ba9d8924d2d756
JDCGME	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
KHNMYE	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
L8H99X	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
LAK8JQ	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
MRLBLT	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
N3ECEN	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
P627WA	0544d8f0c85B7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756

TABLE 1

Question 14 - Examination Questions

WebCode	Response
PT4ATM	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
QJBJKK	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
QP77KZ	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
QTKQLU	8714c878b7e344dfa8e578c944090c99f19cc950805507bcce8b64063a25f1c
QUUVYJ	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
RG3NEM	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
RLG2JG	94f5dbb249e44922e7993290a6d4dfc5
RY67PR	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
TKK6AD	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
UYXZ3E	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
VBWUKW	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
VNVZ3F	SHA-256: 0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
W9FEZ2	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
WA93JW	E3B0C44298FC1C149AFBF4C8996FB92427AE41E4649B934CA495991B7852B855
WFWWCN	8714c878b7e344dfa8e578c944090c992f19cc950805507bcce8b64063a25f1c
WTJ2JK	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
WUBZXH	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
X9T8AA	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
XFRPTT	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
XRL7HU	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
XTDA69	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
YKZEML	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756
Z9P8ME	0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756
ZDWN3V	0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756

Question 14: What is SHA256 hash of the file containing the word Taenioptynx?

Consensus Result: 0544D8F0C84B7C141DABA3D2EDA141D07E7576CDE9F0A6A8C9BA9D8924D2D756. The SHA256 hash 8714c878b7e344dfa8e578c944090c992f19cc950805507bcce8b64063a25f1c was also accepted for participants who provided data/media/0/Download/u7xbfpdhqf771.jpg as their response to question 13.

Expected Response Explanation:

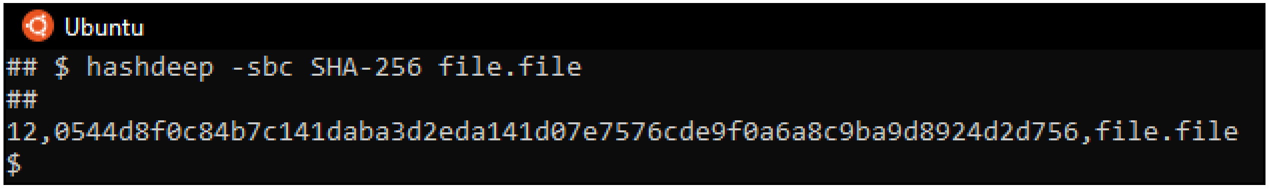
Once exported from the extraction, the file can be hashed with any reliable hashing tool.

TABLE 1

Question 14 - Examination Questions

Expected Response Illustration:

hashdeep: file.file



```
## $ hashdeep -sbc SHA-256 file.file
##
12,0544d8f0c84b7c141daba3d2eda141d07e7576cde9f0a6a8c9ba9d8924d2d756,file.file
$
```

TABLE 1

Question 15 - Examination Questions

Question 15: What words are spoken in the Google Voice voicemail message?

Manufacturer's Expected Response: Hello. Hello.

WebCode	Response
23UUZG	Hello Hello
247Q88	Hello? Hello?
27U7WG	Hello... Hello...
2MYDBJ	Hello Hello
2U62WX	Hello Hello
3FVNA6	Hello Hello
3KBBPV	Hello Hello
3L3ECB	Hello Hello
3UZ3CN	"Hello. Hello."
3XZD8N	“Hello. Hello.”
4PWV2B	Hello, hello
664BM3	Hello hello
6LUAVP	Hello, hello
6TXZGF	"HELLO HELLO"
7892QC	"Hello, hello"
7MNEPN	Hello, Hello
7NFHC4	Hello hello
7TR7CZ	Hello, Hello
7YXY6B	Hello. Hello
8DBKAL	The word "hello" was said twice.
8PT6UJ	hello hello
8Z6ED3	Hello? Hello?
96CMUW	Please
96F39J	Hello Hello
9786VY	Hello. Hello.
97V4FR	Hello Hello
9A7CHG	Hello Hello
9FXJ2P	Hello Hello
9GPMN6	hello
9GR8JK	Hello, hello

TABLE 1

Question 15 - Examination Questions	
WebCode	**Response**
9HXAYJ	Hello, Hello
9NP7QZ	"Hello. Hello."
9VBVTJ	Hello. Hello.
AEE66Z	Hello. Hello.
BEDQWX	hello hello
BJ8KUY	“Hello, Hello”
BWDJ36	Hello…Hello
CKE3TU	Hello Hello
CMDAJF	Hello Hello
CV7MHE	hello hello
D3UPWH	Hello Hello
DCYWBH	hello hello
DRCCA8	Hello Hello
E6RW87	Hello Hello
EG9GR3	Hello, hello
ET2Z8T	Hello hello
F6WE64	hello hello
GQ67MU	Hello. Hello.
GVJ24Q	Hello, hello
GZABDP	Hello Hello
HFL6MD	Hello, Hello
HPTRTT	Hello. Hello.
J9KCUA	Hello? Hello?
JDCGME	"Hello, Hello"
KHNMYE	hello hello
L8H99X	Hello Hello
LAK8JQ	Hello Hello
MRLBLT	hello
N3ECEN	Hallo, Hallo
P627WA	Hello Hello
PT4ATM	Hello Hello
QJBJKK	hello hello
QP77KZ	hello, hello

TABLE 1

Question 15 - Examination Questions

WebCode	Response
QTKQLU	No words are spoken
QUUVYJ	hello hello
RG3NEM	Hello hello
RLG2JG	Hello. Hello.
RY67PR	Welcome
TKK6AD	Hello. Hello.
UYXZ3E	Hello Hello
VBWUKW	Hello?Hello
VNVZ3F	Hello Hello
W9FEZ2	hello hello
WA93JW	
WFWWCN	Hello Hello
WTJ2JK	Hello Hello
WUBZXH	Hello hello
X9T8AA	Hello hello
XFRPTT	Hello. Hello.
XRL7HU	Hello…Hello
XTDA69	Hello. Hello.
YKZEML	hello hello
Z9P8ME	HELLO HELLO
ZDWN3V	Hello, Hello

Question 15: What words are spoken in the Google Voice voicemail message?

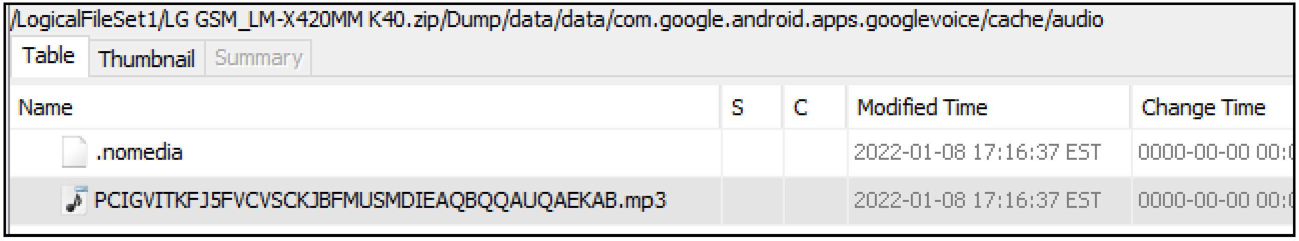
Consensus Result: Hello. Hello.

Expected Response Explanation:

The only voicemail message on the phone is a Google Voice message. When played, the mp3 contains the spoken words "Hello. Hello." This message is stored in /data/data/com.google.android.apps.googlevoice/cache/audio/PCIGVITKFJ5FVCVSCKJBFMUSMDIEAQBQQAUQAEKAB.mp3.

Expected Response Illustration:

hashdeep: file.file



/LogicalFileSet1/LG GSM_LM-X420MM K40.zip/Dump/data/data/com.google.android.apps.googlevoice/cache/audio

Name	S	C	Modified Time	Change Time
.nomedia			2022-01-08 17:16:37 EST	0000-00-00 00:0
PCIGVITKFJ5FVCVSCKJBFMUSMDIEAQBQQAUQAEKAB.mp3			2022-01-08 17:16:37 EST	0000-00-00 00:0

TABLE 1

Question 16 - Examination Questions

Question 16: What is the content (text) of the SMS message sent on December 11, 2021 at 5:05:41 PM UTC+0 ?

Manufacturer's Expected Response: Forecast

WebCode	Response
23UUZG	Forecast
247Q88	Forecast
27U7WG	Forecast
2MYDBJ	Forecast
2U62WX	Forecast
3FVNA6	Forecast
3KBBPV	Forecast
3L3ECB	Forecast
3UZ3CN	Forecast
3XZD8N	Forecast
4PWV2B	Forecast
664BM3	Forecast
6LUAVP	Forecast
6TXZGF	Forecast
7892QC	Forecast
7MNEPN	Forecast
7NFHC4	Forecast
7TR7CZ	Forecast
7YXY6B	Forecast
8DBKAL	Forecast
8PT6UJ	Forecast
8Z6ED3	Forecast
96CMUW	Forecast
96F39J	Forecast
9786VY	Forecast
97V4FR	Forecast
9A7CHG	Forecast
9FXJ2P	Forecast
9GPMN6	Forecast

TABLE 1

Question 16 - Examination Questions

WebCode	Response
9GR8JK	Saturday In the clouds w/ a wintry mix transitioning to rain, possibly falling heavy at times in the afternoon. Slight chance of afternoon thunderstorms. Possible snow and ice accumulations of a trace to 1 inch. Temperatures: Around 40 Winds: S shifting SW at 30-45 mph rapidly increasing during the morning to 55-75 mph then increasing to 70-90 mph w/ gusts up to 105 mph Wind Chill: 5 to 15 above rising to 15 to 25 above
9HXAYJ	Forecast
9NP7QZ	Forecast
9VBVTJ	Forecast
AEE66Z	Forecast
BEDQWX	Forecast
BJ8KUY	Forecast
BWDJ36	Forecast
CKE3TU	Forecast
CMDAJF	Forecast
CV7MHE	Forecast
D3UPWH	Forecast
DCYWBH	Forecast
DRCCA8	Forecast
E6RW87	Forecast
EG9GR3	Forecast
ET2Z8T	Forecast
F6WE64	Forecast
GQ67MU	Forecast
GVJ24Q	Forecast
GZABDP	Forecast
HFL6MD	Forecast
HPTRTT	Forecast
J9KCUA	Forecast
JDCGME	Forecast
KHNMYE	Forecast
L8H99X	Forecast
LAK8JQ	Forecast
MRLBLT	Forecast
N3ECEN	Forecast

TABLE 1

Question 16 - Examination Questions

WebCode	Response
P627WA	Forecast
PT4ATM	Forecast
QJBJKK	Forecast
QP77KZ	Forecast
QTKQLU	"Forecast"
QUUVYJ	Forecast
RG3NEM	Forecast
RLG2JG	Forecast
RY67PR	Forecast
TKK6AD	Forecast
UYXZ3E	forecast
VBWUKW	Forescast
VNVZ3F	forecast
W9FEZ2	Forecast
WA93JW	Forecast
WFWWCN	Forecast
WTJ2JK	Forecast
WUBZXH	Forecast
X9T8AA	Forecast
XFRPTT	Forecast
XRL7HU	Forecast
XTDA69	Forecast
YKZEML	Forecast
Z9P8ME	Forecast
ZDWN3V	Forecast

Question 16: What is the content (text) of the SMS message sent on December 11, 2021 at 5:05:41 PM UTC+0 ?

Consensus Result: Forecast

Expected Response Explanation:

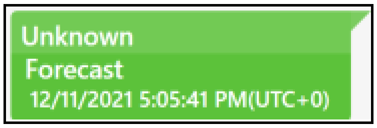
SMS messages are stored in data/user_de/0/com.android.providers.telephony/databases/mmssms.db. A review of the sms table finds one message with the indicated date stamp.

TABLE 1

Question 16 - Examination Questions

Expected Response Illustration:

Cellebrite conversation view



Unknown

Forecast

12/11/2021 5:05:41 PM(UTC+0)

TABLE 1

Question 17 - Examination Questions

Question 17: What contact sent the text message (SMS/MMS) regarding a “document” ?

Manufacturer's Expected Response: Mike Spitz and/or 17035947989

WebCode	Response
23UUZG	Mike Spitz
247Q88	+17035947989 Mike Spitz
27U7WG	+16193547860
2MYDBJ	Mike Spitz
2U62WX	Mike Spitz
3FVNA6	Mike Spitz
3KBBPV	Mike Spitz
3L3ECB	mike spitz
3UZ3CN	Mike Spitz (+17035947989)
3XZD8N	Mike Spitz (+17035947989)
4PWV2B	Mike Spitz
664BM3	Mike Spitz
6LUAVP	Mike Spitz
6TXZGF	+17035947989 / Mike Spitz
7892QC	Mike Spitz +17035947989
7MNEPN	Mike Spitz (+17035947989)
7NFHC4	Mike Spitz
7TR7CZ	Mike Spitz
7YXY6B	+17935947989
8DBKAL	Mike Spitz
8PT6UJ	Mike Spitz
8Z6ED3	Mike Spitz
96CMUW	Mike spitz
96F39J	Mike Spitz
9786VY	Mike Spitz
97V4FR	Mike Spitz
9A7CHG	Mike Spitz
9FXJ2P	Mike Spitz
9GPMN6	Mike Spitz +17035947989
9GR8JK	Mike Spitz

TABLE 1

Question 17 - Examination Questions

WebCode	Response
9HXAYJ	Mike Spitz (+17035947989)
9NP7QZ	Mike Spitz
9VBVTJ	Mike Spitz
AEE66Z	Mike Spitz
BEDQWX	Mike Spitz
BJ8KUY	Mike Spitz
BWDJ36	Mike Spitz
CKE3TU	Mike Spitz
CMDAJF	Mike Spitz (+17035947989)
CV7MHE	Mike Spitz
D3UPWH	Mike Spitz
DCYWBH	Mike Spitz
DRCCA8	Mike Spitz
E6RW87	Mike Spitz (+17035947989)
EG9GR3	Mike Spitz (+17035947989)
ET2Z8T	Mike Spitz
F6WE64	Mike Spitz
GQ67MU	Mike Spitz
GVJ24Q	+16193547860
GZABDP	Mike Spitz
HFL6MD	Ms. Poloncak
HPTRTT	Mike Spitz
J9KCUA	Mike Spitz
JDCGME	Mike Spitz 17035947989
KHNMYE	Mike Spitz
L8H99X	+17035947989 Mike Spitz
LAK8JQ	Mike Spitz
MRLBLT	Mike Spitz
N3ECEN	Mike Spitz
P627WA	Mike Spitz
PT4ATM	Mike Spitz (+17035947989)
QJBJKK	Mike Spitz
QP77KZ	Mike Spitz

TABLE 1

Question 17 - Examination Questions

WebCode	Response
QTKQLU	Mike Spitz
QUUVYJ	+17035947989
RG3NEM	Mike Spitz +17035947989
RLG2JG	Mike Spitz <+17035947989>
RY67PR	Mike Spitz
TKK6AD	Mike Spitz
UYXZ3E	+17035947989 Mike Spitz
VBWUKW	Mike Spitz(+17035947989)
VNVZ3F	Mike Spitz +17035947989
W9FEZ2	Mike Spitz
WA93JW	Mike Spitz
WFWWCN	+17035947989
WTJ2JK	Mike Spitz
WUBZXH	Mike Spitz +17035947989
X9T8AA	Mike Spitz
XFRPTT	Mike Spitz +17035947989
XRL7HU	Mike Spitz
XTDA69	Mike Spitz
YKZEML	Mike Spitz
Z9P8ME	Mike Spitz +17035947989
ZDWN3V	Mike Spitz

Question 17: What contact sent the text message (SMS/MMS) regarding a "document" ?

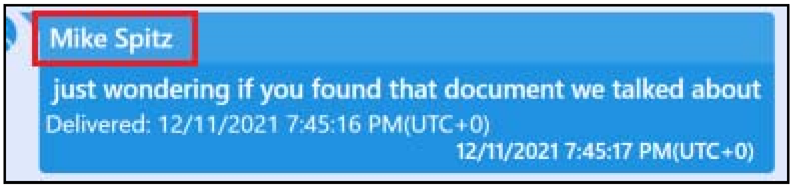
Consensus Result: Mike Spitz and/or 17035947989

Expected Response Explanation:

SMS messages are stored in data/user_de/0/com.android.providers.telephony/databases/mmssms.db. Searching this database will discover a message containing text, "just wondering if you found that document we talked about" sent from +17035947989. A review of the contacts database, /data/data/com.android.providers.contacts/databases/contacts2.db, shows this number is listed for Mike Spitz.

Expected Response Illustration:

Cellebrite conversation view



Mike Spitz

just wondering if you found that document we talked about

Delivered: 12/11/2021 7:45:16 PM(UTC+0)

12/11/2021 7:45:17 PM(UTC+0)

TABLE 1

Question 18 - Examination Questions

Question 18: What email address is associated with the contact with the phone number 703-594-7989?

Manufacturer's Expected Response: mikespitz.uci@gmail.com

WebCode	Response
23UUZG	mikespitz.uci@gmail.com
247Q88	mikespitz.uci@gmail.com
27U7WG	mikespitz.uci@gmail.com
2MYDBJ	mikespitz.uci@gmail.com
2U62WX	mikespitz.uci@gmail.com
3FVNA6	mikespitz.uci@gmail.com
3KBBPV	mikespitz.uci@gmail.com
3L3ECB	mikespitz.uci@gmail.com
3UZ3CN	mikespitz.uci@gmail.com
3XZD8N	mikespitz.uci@gmail.com
4PWV2B	mikespitz.uci@gmail.com
664BM3	mikespitz.uci@gmail.com
6LUAVP	mikespitz.uci@gmail.com
6TXZGF	mikespitz.uci@gmail.com
7892QC	mikespitz.uci@gmail.com
7MNEPN	mikespitz.uci@gmail.com
7NFHC4	mikespitz.uci@gmail.com
7TR7CZ	mikespitz.uci@gmail.com
7YXY6B	mikespitz.uci@gmail.com
8DBKAL	mikespitz.uci@gmail.com
8PT6UJ	mikespitz.uci@gmail.com
8Z6ED3	mikespitz.uci@gmail.com
96CMUW	mikespitz.uci@gmail.com
96F39J	mikespitz.uci@gmail.com
9786VY	mikespitz.uci@gmail.com
97V4FR	mikespitz.uci@gmail.com
9A7CHG	mikespitz.uci@gmail.com
9FXJ2P	mikespitz.uci@gmail.com
9GPMN6	mikespitz.uci@gmail.com
9GR8JK	mikespitz.uci@gmail.com

TABLE 1

Question 18 - Examination Questions

WebCode	Response
9HXAYJ	mikespitz.uci@gmail.com
9NP7QZ	mikespitz.uci@gmail.com
9VBVTJ	mikespitz.uci@gmail.com
AEE66Z	mikespitz.uci@gmail.com
BEDQWX	mikespitz.uci@gmail.com
BJ8KUY	mikespitz.uci@gmail.com
BWDJ36	mikespitz.uci@gmail.com
CKE3TU	mikespitz.uci@gmail.com
CMDAJF	mikespitz.uci@gmail.com
CV7MHE	mikespitz.uci@gmail.com
D3UPWH	mikespitz.uci@gmail.com
DCYWBH	mikespitz.uci@gmail.com
DRCCA8	mikespitz.uci@gmail.com
E6RW87	Mikespritz.uci@gmail.com
EG9GR3	mikespitz.uci@gmail.com
ET2Z8T	mikespitz.uci@gmail.com
F6WE64	mikespitz.uci@gmail.com
GQ67MU	mikespitz.uci@gmail.com
GVJ24Q	mikespitz.uci@gmail.com
GZABDP	mikespitz.uci@gmail.com
HFL6MD	mikespitz.uci@gmail.com
HPTRTT	mikespitz.uci@gmail.com
J9KCUA	mikespitz.uci@gmail.com
JDCGME	mikespitz.uci@gmail.com
KHNMYE	mikespitz.uci@gmail.com
L8H99X	mikespitz.uci@gmail.com
LAK8JQ	mikespitz.uci@gmail.com
MRLBLT	mikespitz.uci@gmail.com
N3ECEN	mikespitz.uci@gmail.com
P627WA	mikespitz.uci@gmail.com
PT4ATM	mikespitz.uci@gmail.com
QJBJKK	mikespitz.uci@gmail.com
QP77KZ	mikespitz.uci@gmail.com

TABLE 1

Question 18 - Examination Questions	
WebCode	**Response**
QTKQLU	mikespitz.uci@gmail.com
QUUVYJ	mikespitz.uci@gmail.com
RG3NEM	mikespitz.uci@gmail.com
RLG2JG	mikespitz.uci@gmail.com
RY67PR	mikespitz.uci@gmail.com
TKK6AD	mikespitz.uci@gmail.com
UYXZ3E	mikespitz.uci@gmail.com
VBWUKW	mikespitz.uci@gmail.com
VNVZ3F	mikespitz.uci@gmail.com
W9FEZ2	mikespitz.uci@gmail.com
WA93JW	mikespitz.uci@gmail.com
WFWWCN	mikespitz.uci@gmail.com
WTJ2JK	mikespitz.uci@gmail.com
WUBZXH	mikespitz.uci@gmail.com
X9T8AA	mikespitz.uci@gmail.com
XFRPTT	mikespitz.uci@gmail.com
XRL7HU	mikespitz.uci@gmail.com
XTDA69	mikespitz.uci@gmail.com
YKZEML	mikespitz.uci@gmail.com
Z9P8ME	mikespitz.uci@gmail.com
ZDWN3V	mikespitz.uci@gmail.com

Question 18: What email address is associated with the contact with the phone number 703-594-7989?

Consensus Result: mikespitz.uci@gmail.com

Expected Response Explanation:

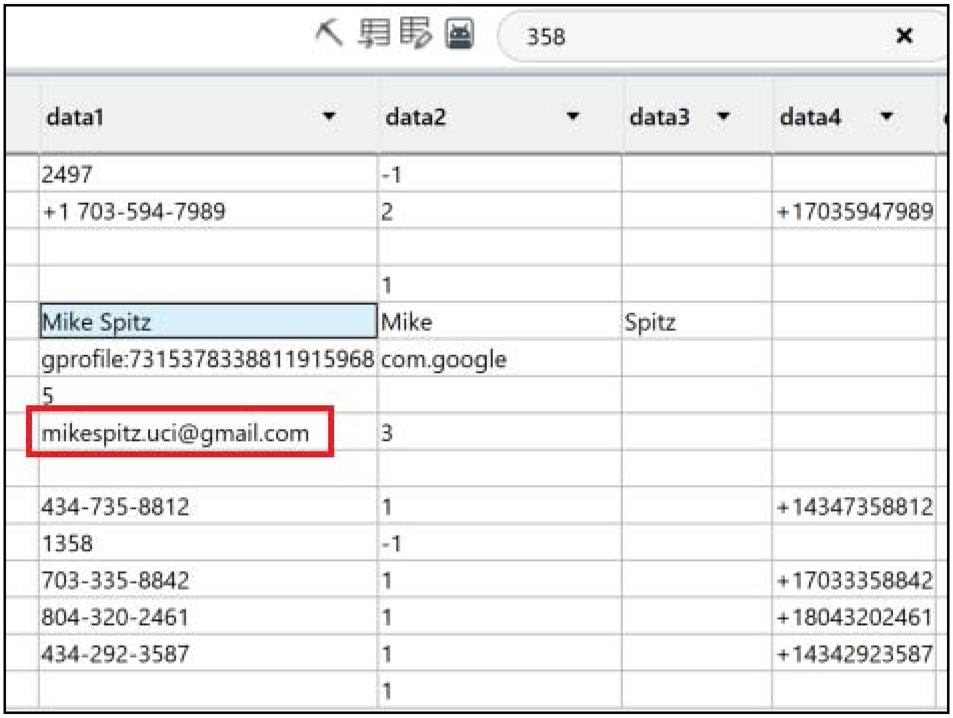
Contact information is stored in /data/data/com.android.providers.contacts/databases/contacts2.db. Review of this database for 703-594-7989 finds an entry in the phone_lookup table with “raw_contact_id” of 358 for “Mike Spitz.” In the “data” table, records for raw_contact_id lists the email address mikespitz.uci@gmail.com.

TABLE 1

Question 18 - Examination Questions

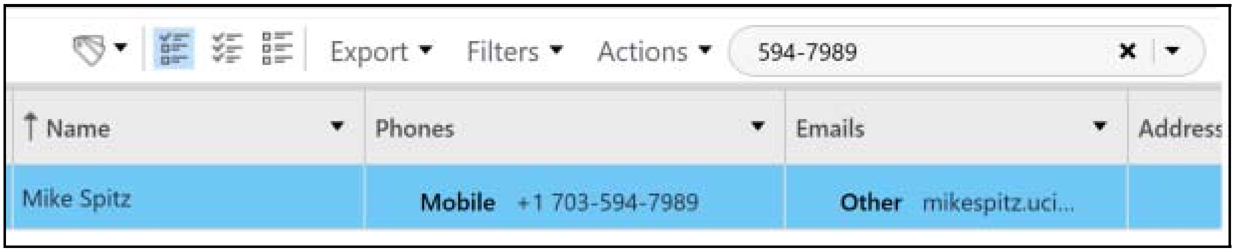
Expected Response Illustration:

contacts2.db:data



data1	data2	data3	data4
2497	-1		
+1 703-594-7989	2		+17035947989
	1		
Mike Spitz	Mike	Spitz	
gprofile:7315378338811915968	com.google		
5			
mikespitz.uci@gmail.com	3		
434-735-8812	1		+14347358812
1358	-1		
703-335-8842	1		+17033358842
804-320-2461	1		+18043202461
434-292-3587	1		+14342923587
	1		

Cellebrite contact pane



Name	Phones	Emails	Address
Mike Spitz	**Mobile** +1 703-594-7989	**Other** mikespitz.uci...	

TABLE 1

Question 19 - Examination Questions

Question 19: What status does the call log database show for the call associated with phone number 833-690-0646 on December 8, 2021 at 11:44? (e.g. Answered, Outgoing, Missed, Voicemail, Rejected, Blocked, WiFI)

Manufacturer's Expected Response: Outgoing and/or Answered

WebCode	Response
23UUZG	Answered
247Q88	Answered
27U7WG	Answered
2MYDBJ	Outgoing
2U62WX	Answered
3FVNA6	Answered
3KBBPV	Answered
3L3ECB	Answered
3UZ3CN	Answered
3XZD8N	Answered
4PWV2B	Answered
664BM3	Answered
6LUAVP	Outgoing, Answered
6TXZGF	Outgoing
7892QC	Outgoing & Answered
7MNEPN	Outgoing, Answered
7NFHC4	Answered
7TR7CZ	Answered
7YXY6B	Answered
8DBKAL	The direction of the call is outgoing, the status is answered.
8PT6UJ	Answered
8Z6ED3	Answered
96CMUW	Answered
96F39J	Answered
9786VY	Answered
97V4FR	Answered
9A7CHG	Answered
9FXJ2P	Answered
9GPMN6	Answered

TABLE 1

Question 19 - Examination Questions

WebCode	Response
9GR8JK	Answered
9HXAYJ	Outgoing
9NP7QZ	Outgoing, Answered
9VBVTJ	Answered
AEE66Z	Answered
BEDQWX	Answered
BJ8KUY	Answered
BWDJ36	Answered
CKE3TU	Answered
CMDAJF	Answered
CV7MHE	Answered
D3UPWH	Answered
DCYWBH	Outgoing, Answered
DRCCA8	Answered
E6RW87	Outgoing
EG9GR3	Outgoing, Answered
ET2Z8T	Answered
F6WE64	Answered
GQ67MU	Answered
GVJ24Q	Answered
GZABDP	Answered
HFL6MD	Answered
HPTRTT	Answered
J9KCUA	Answered
JDCGME	Answered
KHNMYE	Answered
L8H99X	Outgoing
LAK8JQ	Outgoing
MRLBLT	Aswered
N3ECEN	Outgoing, Answered
P627WA	Answered
PT4ATM	calllog.db
QJBJKK	Answered

TABLE 1

Question 19 - Examination Questions

WebCode	Response
QP77KZ	Answered
QTKQLU	Outgoing Answered
QUUVYJ	Answered
RG3NEM	Outgoing - Answered
RLG2JG	Outgoing
RY67PR	Answered
TKK6AD	Outgoing
UYXZ3E	Outgoing call (Answered)
VBWUKW	Answered(Outgoing)
VNVZ3F	Status: Answered
W9FEZ2	Answered
WA93JW	Outgoing
WFWWCN	Answered
WTJ2JK	Answered
WUBZXH	Outgoing - Answered
X9T8AA	Outgoing, Answered
XFRPTT	Answered
XRL7HU	Outgoing
XTDA69	Answered and Outgoing
YKZEML	Answered
Z9P8ME	Answered
ZDWN3V	Outgoing (outgoing call that was answered)

Question 19: What status does the call log database show for the call associated with phone number 833-690-0646 on December 8, 2021 at 11:44? (e.g. Answered, Outgoing, Missed, Voicemail, Rejected, Blocked, WiFI)

Consensus Result: Outgoing and/or Answered

Expected Response Explanation:

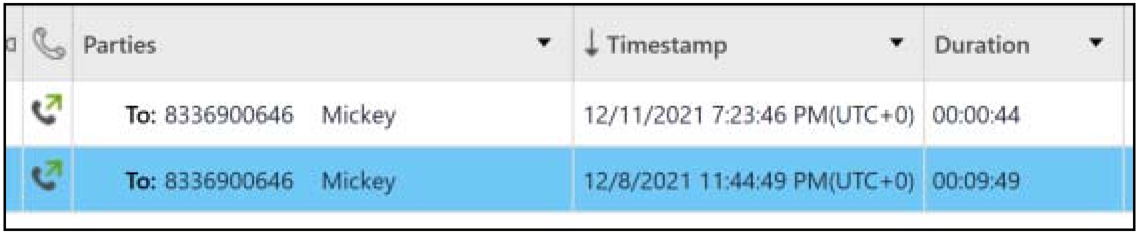
Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db. A review of this database finds the record for the call referenced in the question (in the calls table) with type “2” (outgoing). "Status" in this case is inferred from the duration of the call.

TABLE 1

Question 19 - Examination Questions

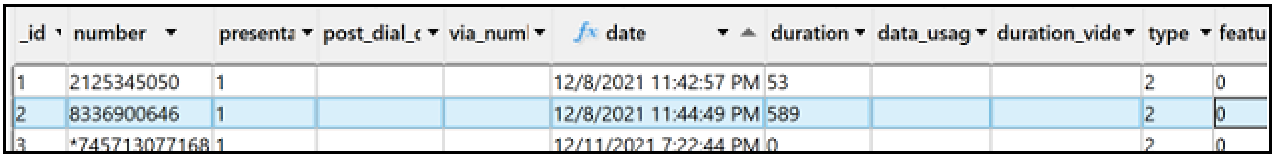
Expected Response Illustration:

Cellebrite "Call Log" table selection showing call on 12/8/2021 at 11:44



☎	Parties	Timestamp	Duration
☎	To: 8336900646 Mickey	12/11/2021 7:23:46 PM(UTC+0)	00:00:44
☎	To: 8336900646 Mickey	12/8/2021 11:44:49 PM(UTC+0)	00:09:49

calllog.db



_id	number	presenta	post_dial_c	via_numl	date	duration	data_usag	duration_vide	type	featu
1	2125345050	1			12/8/2021 11:42:57 PM	53			2	0
2	8336900646	1			12/8/2021 11:44:49 PM	589			2	0
3	*745713077168	1			12/11/2021 7:22:44 PM	0			2	0

TABLE 1

Question 20 - Examination Questions

Question 20: From what contact did the user reject a call? Provide full name.

Manufacturer's Expected Response: Rosa Vega

WebCode	Response
23UUZG	ROS A VEGA
247Q88	+14348422230 ROSA VEGA
27U7WG	ROSA VEGA
2MYDBJ	ROSA VEGA
2U62WX	ROSA VEGA
3FVNA6	ROSA VEGA
3KBBPV	ROSA VEGA
3L3ECB	ROSA VEGA
3UZ3CN	ROSA VEGA
3XZD8N	ROSA VEGA
4PWV2B	ROSA VEGA
664BM3	ROSA VEGA
6LUAVP	ROSA VEGA
6TXZGF	ROSA VEGA
7892QC	ROSA VEGA +14348422230
7MNEPN	Rosa Vega
7NFHC4	ROSA VEGA
7TR7CZ	ROSA VEGA
7YXY6B	ROSA VEGA
8DBKAL	A call was declined from the contact ROSA VEGA.
8PT6UJ	ROSA VEGA
8Z6ED3	ROSA VEGA
96CMUW	ROSE VEGA
96F39J	Rosa Vega
9786VY	ROSA VEGA
97V4FR	ROSA VEGA
9A7CHG	ROSA VEGA
9FXJ2P	ROSA VEGA
9GPMN6	ROSA VEGA
9GR8JK	ROSA VEGA

TABLE 1

Question 20 - Examination Questions

WebCode	Response
9HXAYJ	ROSA VEGA
9NP7QZ	+17034544839 TelephonyConnectionService F.USVirginia
9VBVTJ	ROSA VEGA
AEE66Z	ROSA VEGA
BEDQWX	Rosa Vega
BJ8KUY	ROSA VEGA
BWDJ36	Rosa Vega
CKE3TU	Rosa Vega
CMDAJF	+17034544839
CV7MHE	ROSA VEGA
D3UPWH	ROSA VEGA
DCYWBH	Rosa Vega
DRCCA8	ROSA VEGA
E6RW87	ROSA VEGA
EG9GR3	ROSA VEGA
ET2Z8T	ROSA VEGA
F6WE64	ROSA VEGA
GQ67MU	ROSA VEGA
GVJ24Q	ROSA VEGA
GZABDP	Rosa Vega
HFL6MD	Rosa Vega
HPTRTT	ROSA VEGA
J9KCUA	ROSA VEGA
JDCGME	ROSA VEGA
KHNMYE	ROSA VEGA
L8H99X	ROSA VEGA
LAK8JQ	ROSA VEGA
MRLBLT	Rosa Vega
N3ECEN	ROSA VEGA
P627WA	ROSA VEGA
PT4ATM	ROSA VEGA
QJBJKK	ROSA VEGA
QP77KZ	ROSA VEGA

TABLE 1

Question 20 - Examination Questions

WebCode	Response
QTKQLU	ROSA VEGA
QUUVYJ	ROSA VEGA
RG3NEM	ROSA VEGA
RLG2JG	ROSA VEGA
RY67PR	ROSA VEGA
TKK6AD	Rosa Vega
UYXZ3E	Rosa Vega +14348422230
VBWUKW	ROSA VEGA
VNVZ3F	Not within Laboratory's scope
W9FEZ2	ROSA VEGA
WA93JW	ROSA VEGA
WFWWCN	ROSA VEGA
WTJ2JK	ROSA VEGA
WUBZXH	ROSA VEGA
X9T8AA	ROSA VEGA
XFRPTT	+14348422230 ROSA VEGA
XRL7HU	Rosa Vega
XTDA69	ROSA VEGA
YKZEML	ROSA VEGA
Z9P8ME	Unable to locate a rejected call. There are two missed calls (outcoming) from Rosa Vega +14348422230 and Conditional Fwd To Gv *745713077168. There was two missed calls (incoming) from +17034544839. I have looked at the reject calls database but unable to locate any regretted calls.
ZDWN3V	Rosa Vega

Question 20: From what contact did the user reject a call? Provide full name.

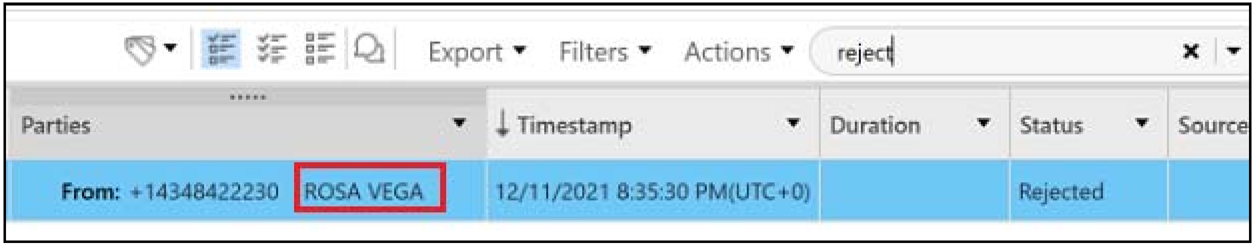
Consensus Result: Rosa Vega

Expected Response Explanation:

Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db. A review of the log for rejected calls shows only one from +14348422230, Rosa Vega.

Expected Response Illustration:

Cellebrite "Call Log" table selection showing reject call



Parties	Timestamp	Duration	Status	Source
From: +14348422230 ROSA VEGA	12/11/2021 8:35:30 PM(UTC+0)		Rejected	

TABLE 1

Question 21 - Examination Questions

Question 21: What was the duration of the call dated on December 8, 2021 at 11:44, referenced in question 19? Please provide your response in the following format: hours, minutes and seconds, e.g. 01:01:01.

Manufacturer's Expected Response: 00:09:49

WebCode	Response
23UUZG	00:09:49
247Q88	00:09:49
27U7WG	00:09:49
2MYDBJ	00:09:49
2U62WX	00:09:49
3FVNA6	00:09:49
3KBBPV	00:09:49
3L3ECB	00:09:49
3UZ3CN	00:09:49
3XZD8N	00:09:49
4PWV2B	00:09:49
664BM3	00:09:49
6LUAVP	00:09:49
6TXZGF	00:09:49
7892QC	00:09:49
7MNEPN	00:09:49
7NFHC4	00:09:49
7TR7CZ	00:09:49
7YXY6B	00:09:49
8DBKAL	00:00:589 OR 00:09:49
8PT6UJ	00:09:49
8Z6ED3	00:09:49
96CMUW	00:09:49
96F39J	00:09:49
9786VY	00:09:49
97V4FR	00:09:49
9A7CHG	00:09:49
9FXJ2P	00:09:49
9GPMN6	00:09:49

TABLE 1

Question 21 - Examination Questions

WebCode	Response
9GR8JK	00:09:49
9HXAYJ	00:09:49
9NP7QZ	00:09:49
9VBVTJ	00:09:49
AEE66Z	00:09:49
BEDQWX	00:09:49
BJ8KUY	00:09:49
BWDJ36	00:09:49
CKE3TU	00:09:49
CMDAJF	00:09:49
CV7MHE	00:09:49
D3UPWH	00:09:49
DCYWBH	00:09:49
DRCCA8	00:09:49
E6RW87	00:09:49
EG9GR3	00:09:49
ET2Z8T	00:09:49
F6WE64	00:09:49
GQ67MU	00:09:49
GVJ24Q	00:09:49
GZABDP	00:09:49
HFL6MD	00:09:49
HPTRTT	00:09:49
J9KCUA	00:09:49
JDCGME	00:09:49
KHNMYE	00:09:49
L8H99X	00:09:49
LAK8JQ	00:09:49
MRLBLT	00:09:49
N3ECEN	00:09:49
P627WA	00:09:49
PT4ATM	00:09:49
QJBJKK	00:09:49

TABLE 1

Question 21 - Examination Questions

WebCode	Response
QP77KZ	00:09:49
QTKQLU	00:09:49
QUUVYJ	00:09:49
RG3NEM	00:09:49
RLG2JG	00:09:49
RY67PR	00:09:49
TKK6AD	00:09:49
UYXZ3E	00:09:49
VBWUKW	00:09:49
VNVZ3F	00:09:49
W9FEZ2	00:09:49
WA93JW	00:09:49
WFWWCN	00:09:49
WTJ2JK	00:09:49
WUBZXH	00:09:49
X9T8AA	00:09:49
XFRPTT	00:09:49
XRL7HU	00:09:49
XTDA69	00:09:49
YKZEML	00:09:49
Z9P8ME	00:09:49
ZDWN3V	00:09:49

Question 21: What was the duration of the call dated on December 8, 2021 at 11:44, referenced in question 19? Please provide your response in the following format: hours, minutes and seconds, e.g. 01:01:01.

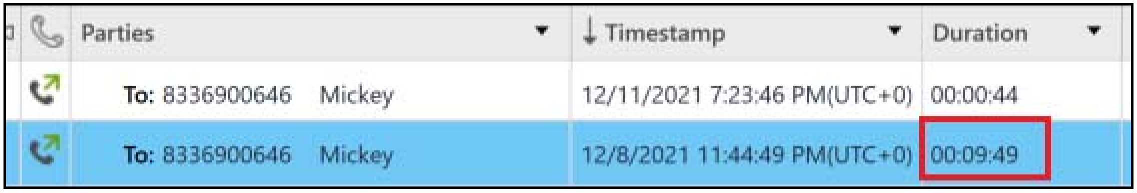
Consensus Result: 00:09:49

Expected Response Explanation:

Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db.

Expected Response Illustration:

Cellebrite "Call Log" table selection showing outgoing call December 8, 2021 to "Mickey"



Parties	Timestamp	Duration
To: 8336900646 Mickey	12/11/2021 7:23:46 PM(UTC+0)	00:00:44
To: 8336900646 Mickey	12/8/2021 11:44:49 PM(UTC+0)	00:09:49

TABLE 1

Question 22 - Examination Questions

Question 22: What was the date and time of the last incoming call? Provide your response in UTC+0, using the automatic picker to select the date and time (24-hour).

Manufacturer's Expected Response: 2021-12-12 21:46

WebCode	Response
23UUZG	2021-12-12 21:46
247Q88	2021-12-12 21:46
27U7WG	2021-12-12 21:46
2MYDBJ	2021-12-12 21:46
2U62WX	2021-12-12 21:46
3FVNA6	2021-12-12 21:46
3KBBPV	2021-12-12 09:46
3L3ECB	2021-12-12 21:46
3UZ3CN	2021-12-12 21:46
3XZD8N	2021-12-12 21:46
4PWV2B	2021-12-12 21:46
664BM3	2021-12-12 21:46
6LUAVP	2021-12-12 21:46
6TXZGF	2021-12-12 21:46
7892QC	2021-12-12 21:46
7MNEPN	2021-12-12 21:46
7NFHC4	2021-12-12 21:46
7TR7CZ	2021-12-13 02:33
7YXY6B	2021-12-12 21:46
8DBKAL	2021-12-12 21:46
8PT6UJ	2021-12-12 21:46
8Z6ED3	2021-12-12 21:46
96CMUW	2021-12-13 02:33
96F39J	2021-12-12 21:46
9786VY	2021-12-12 21:46
97V4FR	2021-12-12 21:46
9A7CHG	2021-12-12 21:46
9FXJ2P	2021-12-13 02:33
9GPMN6	2021-12-13 02:33

TABLE 1

Question 22 - Examination Questions

WebCode	Response
9GR8JK	2021-12-12 21:46
9HXAYJ	2021-12-12 21:46
9NP7QZ	2021-12-12 21:46
9VBVTJ	2021-12-12 21:46
AEE66Z	2021-12-12 21:46
BEDQWX	2021-12-12 21:46
BJ8KUY	2021-12-12 21:46
BWDJ36	2021-12-12 21:46
CKE3TU	2021-12-12 09:46
CMDAJF	2021-12-12 21:46
CV7MHE	2021-12-12 21:46
D3UPWH	2021-12-12 21:46
DCYWBH	2021-12-12 21:46
DRCCA8	2021-12-12 21:46
E6RW87	2021-12-12 21:46
EG9GR3	2021-12-12 21:46
ET2Z8T	2021-12-12 21:46
F6WE64	2021-12-13 02:33
GQ67MU	2021-12-12 21:46
GVJ24Q	2021-12-12 21:46
GZABDP	2021-12-12 21:46
HFL6MD	2021-12-13 02:33
HPTRTT	2021-12-12 21:46
J9KCUA	2021-12-12 21:46
JDCGME	2021-12-08 21:46
KHNMYE	2021-12-12 21:46
L8H99X	2021-12-12 21:46
LAK8JQ	2021-12-12 21:46
MRLBLT	2021-12-12 21:46
N3ECEN	2021-12-12 21:46
P627WA	2021-12-12 09:46
PT4ATM	2021-12-12 09:46
QJBJKK	2021-12-12 21:46

TABLE 1

Question 22 - Examination Questions

WebCode	Response
QP77KZ	2021-12-12 21:46
QTKQLU	2021-12-12 21:46
QUUVYJ	2021-12-12 21:46
RG3NEM	2021-12-12 21:46
RLG2JG	2021-12-12 21:43
RY67PR	2021-12-13 02:33
TKK6AD	2021-12-12 21:46
UYXZ3E	2021-12-12 21:46
VBWUKW	2021-12-12 21:46
VNVZ3F	2021-12-12 21:46
W9FEZ2	2021-12-12 09:46
WA93JW	2021-12-12 21:46
WFWWCN	2021-12-12 21:46
WTJ2JK	2021-12-12 21:46
WUBZXH	2021-12-12 21:46
X9T8AA	2021-12-12 21:46
XFRPTT	2021-12-12 21:46
XRL7HU	2021-12-12 21:46
XTDA69	2021-12-12 21:46
YKZEML	2021-12-12 21:46
Z9P8ME	2021-12-12 21:46
ZDWN3V	2021-12-12 21:46

Question 22: What was the date and time of the last incoming call? Provide your response in UTC+0, using the automatic picker to select the date and time (24-hour).

Consensus Result: 2021-12-12 21:46

Expected Response Explanation:

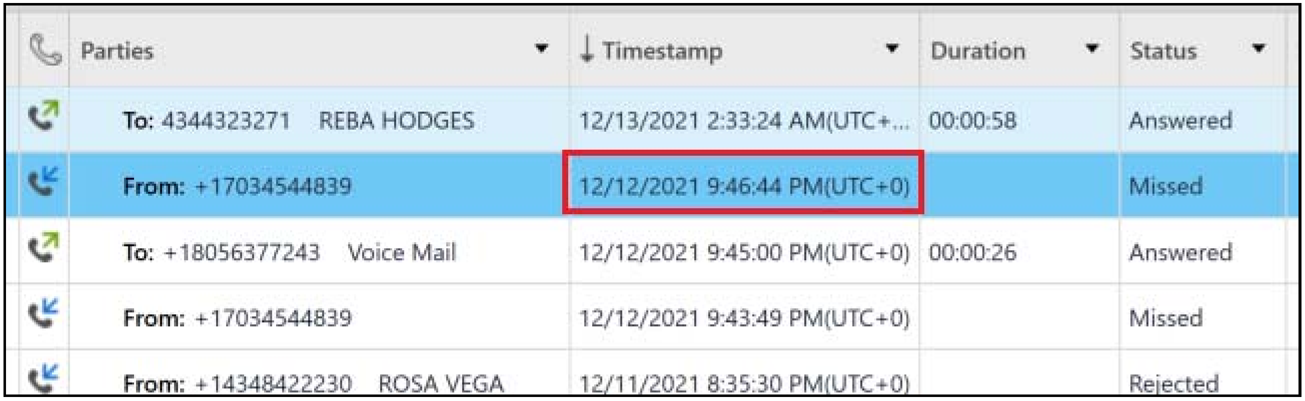
Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db. Filtering the list for Answered calls and sorting by timestamp identifies the first call answered at 12/12/2021 9:46 PM(UTC+0) (24-hour: 21:46).

TABLE 1

Question 22 - Examination Questions

<u>Expected Response Illustration</u>:

Cellebrite "Call Log" table selection showing answered call



☎	Parties	Timestamp	Duration	Status
↗	**To:** 4344323271 REBA HODGES	12/13/2021 2:33:24 AM(UTC+...	00:00:58	Answered
↙	**From:** +17034544839	12/12/2021 9:46:44 PM(UTC+0)		Missed
↗	**To:** +18056377243 Voice Mail	12/12/2021 9:45:00 PM(UTC+0)	00:00:26	Answered
↙	**From:** +17034544839	12/12/2021 9:43:49 PM(UTC+0)		Missed
↙	**From:** +14348422230 ROSA VEGA	12/11/2021 8:35:30 PM(UTC+0)		Rejected

TABLE 1

Question 23 - Examination Questions

Question 23: What is the user's Instagram account username?

Manufacturer's Expected Response: joemarcona

WebCode	Response
23UUZG	joemarcona
247Q88	joemarcona
27U7WG	joemarcona
2MYDBJ	Joemarcona
2U62WX	joemarcona
3FVNA6	joemarcona
3KBBPV	joemarcona
3L3ECB	joemarcona
3UZ3CN	joemarcona
3XZD8N	joemarcona
4PWV2B	joemarcona
664BM3	Joemarcona
6LUAVP	joemarcona
6TXZGF	joemarcona
7892QC	joemarcona
7MNEPN	joemarcona
7NFHC4	joemarcona
7TR7CZ	joemarcona
7YXY6B	joemarcona
8DBKAL	The user's Instagram account username is "joemarcona".
8PT6UJ	joemarcona
8Z6ED3	joemarcona
96CMUW	Joemarcona
96F39J	joemarcona
9786VY	joemarcona
97V4FR	joemarcona
9A7CHG	joemarcona
9FXJ2P	joemarcona
9GPMN6	joemarcona
9GR8JK	joemarcona

TABLE 1

Question 23 - Examination Questions

WebCode	Response
9HXAYJ	joemarcona
9NP7QZ	joemarcona
9VBVTJ	joemarcona
AEE66Z	joemarcona
BEDQWX	joemarcona
BJ8KUY	joemarcona
BWDJ36	joemarcona
CKE3TU	joemarcona
CMDAJF	joemarcona
CV7MHE	joemarcona
D3UPWH	joemarcona
DCYWBH	joemarcona
DRCCA8	joemarcona
E6RW87	joemarcona
EG9GR3	joemarcona
ET2Z8T	joemarcona
F6WE64	joemarcona
GQ67MU	joemarcona
GVJ24Q	joemarcona
GZABDP	joemarcona
HFL6MD	joemarcona
HPTRTT	joemarcona
J9KCUA	joemarcona
JDCGME	joemarcona
KHNMYE	joemarcona
L8H99X	joemarcona
LAK8JQ	joemarcona
MRLBLT	joemarcona
N3ECEN	joemarcona
P627WA	joemarcona
PT4ATM	joe Marcona
QJBJKK	joemarcona
QP77KZ	joemarcona

TABLE 1

Question 23 - Examination Questions

WebCode	Response
QTKQLU	"joemarcona"
QUUVYJ	joemarcona
RG3NEM	joemarcona
RLG2JG	joemarcona
RY67PR	joemarcona
TKK6AD	joemarcona
UYXZ3E	joemarcona
VBWUKW	joemarcona
VNVZ3F	joemarcona
W9FEZ2	joemarcona
WA93JW	joemarcona
WFWWCN	joemarcona
WTJ2JK	joemarcona
WUBZXH	joemarcona
X9T8AA	joemarcona
XFRPTT	joemarcona
XRL7HU	joemarcona
XTDA69	joemarcona
YKZEML	joemarcona
Z9P8ME	Joemarcona
ZDWN3V	joemarcona

Question 23: What is the user's Instagram account username?

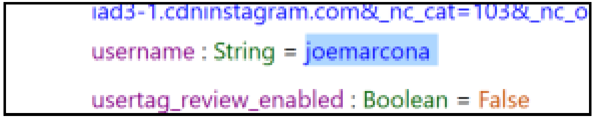
Consensus Result: joemarcona

Expected Response Explanation:

Settings and preferences for the Instagram app are stored in /data/data/com.instagram.android/shared_prefs/com.instagram.android_preferences.xml.

Expected Response Illustration:

com.instagram.android_preferences.xml

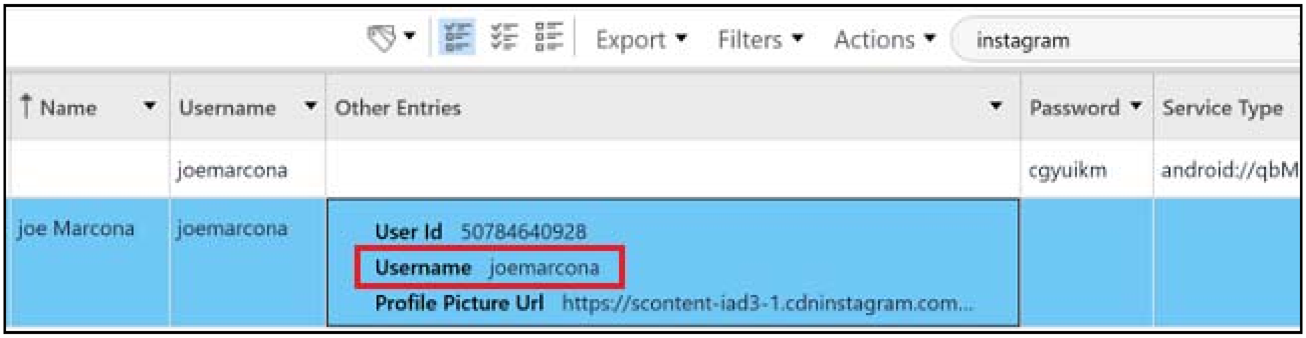


```
iad3-1.cdninstagram.com&_nc_cat=103&_nc_o
username : String = joemarcona
usertag_review_enabled : Boolean = False
```

TABLE 1

Question 23 - Examination Questions

Cellebrite User account pane for Instagram



Name	Username	Other Entries	Password	Service Type
	joemarcona		cgyuikm	android://qbM
joe Marcona	joemarcona	**User Id** 50784640928 **Username** joemarcona **Profile Picture Url** https://scontent-iad3-1.cdninstagram.com...		

TABLE 1

Question 24 - Examination Questions

Question 24: According to the Google Fitness app, what activity did the user participate in during their exercise session beginning on January 8, 2022 (local time)?

Manufacturer's Expected Response: Yoga or Afternoon Yoga

WebCode	Response
23UUZG	Afternoon Yoga
247Q88	Afternoon yoga
27U7WG	Afternoon Yoga
2MYDBJ	Afternoon yoga
2U62WX	Afternoon yoga
3FVNA6	yoga
3KBBPV	yoga
3L3ECB	yoga
3UZ3CN	Afternoon yoga
3XZD8N	Afternoon yoga
4PWV2B	Yoga
664BM3	Yoga
6LUAVP	yoga (Afternoon yoga)
6TXZGF	yoga
7892QC	Afternoon yoga
7MNEPN	yoga
7NFHC4	yoga
7TR7CZ	Yoga
7YXY6B	yoga
8DBKAL	yoga
8PT6UJ	Yoga or afternoon yoga
8Z6ED3	Afternoon Yoga
96CMUW	Post Videos on TikTok
96F39J	yoga
9786VY	Afternoon yoga
97V4FR	Afternoon yoga
9A7CHG	Yoga / Afternoon yoga
9FXJ2P	Yoga
9GPMN6	Yoga

TABLE 1

Question 24 - Examination Questions	
WebCode	**Response**
9GR8JK	yoga
9HXAYJ	Yoga
9NP7QZ	yoga
9VBVTJ	Afternoon yoga
AEE66Z	Purchase
BEDQWX	Afternoon Yoga
BJ8KUY	Afternoon yoga
BWDJ36	Afternoon yoga
CKE3TU	Yoga
CMDAJF	Afternoon Yoga
CV7MHE	yoga
D3UPWH	Not within laboratory's scope
DCYWBH	yoga
DRCCA8	Afternoon Yoga
E6RW87	yoga
EG9GR3	(Afternoon) yoga
ET2Z8T	yoga
F6WE64	yoga
GQ67MU	Afternoon yoga
GVJ24Q	Yoga
GZABDP	Installation
HFL6MD	Afternoon Yoga
HPTRTT	Afternoon yoga
J9KCUA	
JDCGME	afternoon yoga
KHNMYE	yoga
L8H99X	Afternoon yoga
LAK8JQ	yoga
MRLBLT	yoga
N3ECEN	Running
P627WA	Afternoon Yoga
PT4ATM	TikTok app launch or TikTokWorker
QJBJKK	Yoga

TABLE 1

Question 24 - Examination Questions	
WebCode	**Response**
QP77KZ	Afternoon yoga
QTKQLU	Yoga
QUUVYJ	yoga
RG3NEM	Afternoon yoga
RLG2JG	Running
RY67PR	Yoga
TKK6AD	Afternoon yoga
UYXZ3E	yoga
VBWUKW	yoga
VNVZ3F	Afternoon yoga
W9FEZ2	Afternoon yoga
WA93JW	-
WFWWCN	yoga
WTJ2JK	Yoga
WUBZXH	Afternoon yoga
X9T8AA	yoga
XFRPTT	Afternoon yoga
XRL7HU	Afternoon yoga
XTDA69	Afternoon yoga
YKZEML	yoga
Z9P8ME	Yoga
ZDWN3V	yoga (afternoon yoga)

Question 24: According to the Google Fitness app, what activity did the user participate in during their exercise session beginning on January 8, 2022 (local time)?

Consensus Result: Yoga or Afternoon Yoga

Expected Response Explanation:

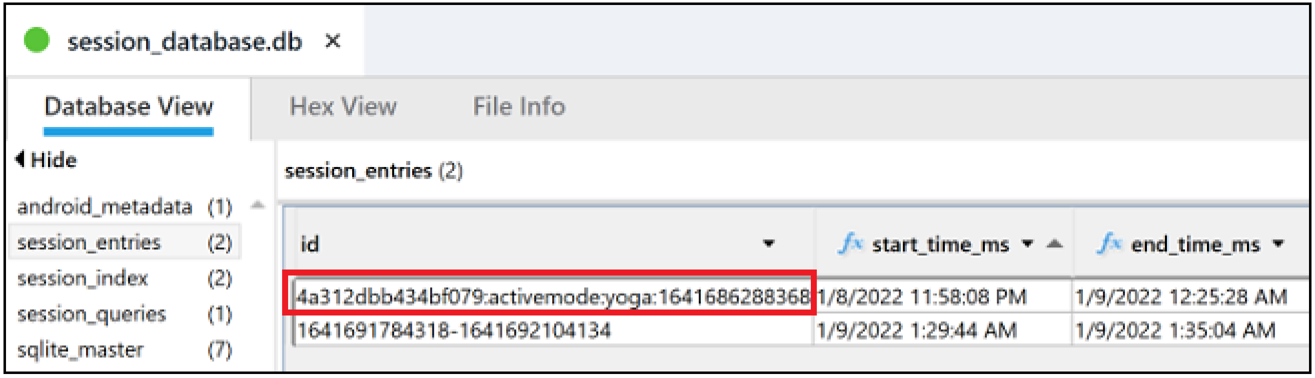
The session dated January 8 specifies the active mode as "yoga". This information is found in the Google Fitness app session data is stored in /data/data/com.google.android.apps.fitness/files/accounts/1/session_database.db.

TABLE 1

Question 24 - Examination Questions

Expected Response Illustration:

Google fit app database session_entries table



android_metadata	(1)
session_entries	(2)
session_index	(2)
session_queries	(1)
sqlite_master	(7)

session_entries (2)

id	start_time_ms	end_time_ms
4a312dbb434bf079:activemode:yoga:1641686288368	1/8/2022 11:58:08 PM	1/9/2022 12:25:28 AM
1641691784318-1641692104134	1/9/2022 1:29:44 AM	1/9/2022 1:35:04 AM

TABLE 1

Question 25 - Examination Questions

Question 25: What location did the user recently navigate to in the Waze app? Please provide the name of the locale.

Manufacturer's Expected Response: Westmoreland, VA or Westmoreland

WebCode	Response
23UUZG	Westmoreland, VA
247Q88	Westmoreland, VA
27U7WG	Westmoreland, VA
2MYDBJ	Westmoreland, VA
2U62WX	Westmoreland, VA
3FVNA6	Westmoreland, VA
3KBBPV	Westmoreland, VA
3L3ECB	Westmoreland, VA
3UZ3CN	Westmoreland, VA
3XZD8N	Westmoreland, VA
4PWV2B	Westmoreland
664BM3	Westmoreland
6LUAVP	Westmoreland, VA
6TXZGF	Westmoreland (Westmoreland, VA 22488, USA)
7892QC	Westmoreland, VA
7MNEPN	Westmoreland, VA
7NFHC4	Westmoreland, VA
7TR7CZ	Westmoreland, VA
7YXY6B	Westmoreland, VA
8DBKAL	Westmoreland, VA was navigated on 1/9/2022.
8PT6UJ	Westmoreland, VA
8Z6ED3	Westmoreland, VA
96CMUW	Westmoreland, VA
96F39J	Westmoreland
9786VY	Westmoreland
97V4FR	Westmoreland, VA
9A7CHG	Westmoreland, VA
9FXJ2P	Westmoreland
9GPMN6	Westmoreland, VA

TABLE 1

Question 25 - Examination Questions	
WebCode	**Response**
9GR8JK	Westmoreland, VA
9HXAYJ	Westmoreland
9NP7QZ	Westmoreland, VA
9VBVTJ	Westmoreland, VA
AEE66Z	Westmoreland, VA
BEDQWX	Westmoreland, VA
BJ8KUY	Westmoreland
BWDJ36	Westmoreland
CKE3TU	Westmoreland, VA
CMDAJF	Westmoreland, VA
CV7MHE	Westmoreland, VA
D3UPWH	Westmoreland, VA
DCYWBH	Westmoreland, VA
DRCCA8	Westmoreland, VA
E6RW87	Westmoreland, VA
EG9GR3	Westmoreland, VA
ET2Z8T	Westmoreland
F6WE64	Westmoreland, VA
GQ67MU	Westmoreland, VA
GVJ24Q	Westmoreland
GZABDP	Westmoreland, VA
HFL6MD	Westmoreland, VA
HPTRTT	Westmoreland, VA
J9KCUA	Westmoreland, VA
JDCGME	Westmoreland, VA
KHNMYE	Westmoreland, VA
L8H99X	Westmoreland, VA
LAK8JQ	Westmoreland
MRLBLT	Westmoreland, VA
N3ECEN	Westmoreland, VA
P627WA	Westmoreland, VA
PT4ATM	Westmoreland, VA
QJBJKK	Westmoreland, VA

TABLE 1

Question 25 - Examination Questions

WebCode	Response
QP77KZ	Westmoreland, VA
QTKQLU	Westmoreland, VA
QUUVYJ	Westmoreland
RG3NEM	Westmoreland
RLG2JG	Westmoreland, VA
RY67PR	Westmoreland
TKK6AD	Westmoreland
UYXZ3E	Westmoreland, VA
VBWUKW	Westmoreland, VA
VNVZ3F	Westmoreland, VA
W9FEZ2	Westmoreland, VA
WA93JW	Westmoreland, VA
WFWWCN	Westmoreland
WTJ2JK	Westmoreland
WUBZXH	Westmoreland
X9T8AA	Westmoreland
XFRPTT	Westmoreland, VA
XRL7HU	Westmoreland, VA
XTDA69	Westmoreland, VA
YKZEML	Westmoreland, VA
Z9P8ME	Westmoreland
ZDWN3V	Westmoreland, VA

Question 25: What location did the user recently navigate to in the Waze app? Please provide the name of the locale.

Consensus Result: Westmoreland, VA or Westmoreland

Expected Response Explanation:

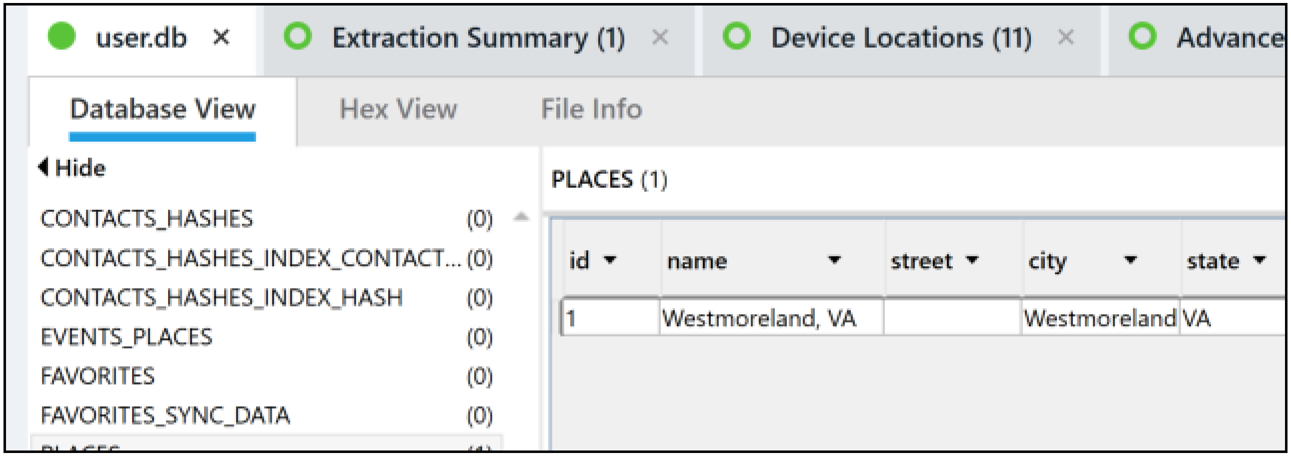
Data for the Waze app is stored in /data/data/com.waze/user.db. The "RECENTS" and "PLACES" tables contain one entry with name "Westmoreland."

TABLE 1

Question 25 - Examination Questions

Expected Response Illustration:

user.db (Waze)



CONTACTS_HASHES (0)
CONTACTS_HASHES_INDEX_CONTACT... (0)
CONTACTS_HASHES_INDEX_HASH (0)
EVENTS_PLACES (0)
FAVORITES (0)
FAVORITES_SYNC_DATA (0)

PLACES (1)

id	name	street	city	state
1	Westmoreland, VA		Westmoreland	VA

TABLE 1

Question 26 - Examination Questions

Question 26: Provide the contents of the Google Keep note created by the user on December 12, 2021 at 11:56:34 PM(UTC+0). Report exactly as shown by the device.

Manufacturer's Expected Response: Ptil0psis

WebCode	Response
23UUZG	Ptil0ps is
247Q88	Ptil0psis
27U7WG	Ptil0psis
2MYDBJ	Ptil0psis
2U62WX	Ptil0psis
3FVNA6	Ptil0psis
3KBBPV	Ptil0psis
3L3ECB	Ptil0psis
3UZ3CN	Ptil0psis
3XZD8N	Ptil0psis
4PWV2B	Ptil0psis
664BM3	Ptil0psis
6LUAVP	Ptil0psis
6TXZGF	Ptil0psis
7892QC	Ptil0psis
7MNEPN	Ptil0psis
7NFHC4	Ptil0psis
7TR7CZ	Ptil0psis
7YXY6B	Ptil0psis
8DBKAL	Ptil0psis
8PT6UJ	Ptil0psis
8Z6ED3	Ptil0psis
96CMUW	Ptil0psis
96F39J	Ptil0psis
9786VY	Ptil0psis
97V4FR	Ptil0psis
9A7CHG	Ptil0psis
9FXJ2P	Ptil0psis
9GPMN6	Ptil0psis

TABLE 1

Question 26 - Examination Questions

WebCode	Response
9GR8JK	Ptil0psis
9HXAYJ	Ptil0psis
9NP7QZ	Ptil0psis
9VBVTJ	Ptil0psis
AEE66Z	Ptil0psis
BEDQWX	Ptil0psis
BJ8KUY	Ptil0psis
BWDJ36	Ptil0psis
CKE3TU	Pti10psis
CMDAJF	Ptil0psis
CV7MHE	Ptil0psis
D3UPWH	Ptil0psis
DCYWBH	Ptil0psis
DRCCA8	Ptil0psis
E6RW87	Ptil0psis
EG9GR3	PtilOpsis
ET2Z8T	Ptil0psis
F6WE64	Ptil0psis
GQ67MU	Ptil0psis
GVJ24Q	Ptil0psis
GZABDP	Ptil0psis
HFL6MD	Ptil0psis
HPTRTT	Ptil0psis
J9KCUA	Ptil0psis
JDCGME	Ptil0psis
KHNMYE	Ptil0psis
L8H99X	Ptil0psis
LAK8JQ	Ptil0psis
MRLBLT	Ptil0psis
N3ECEN	Ptil0psis
P627WA	Ptil0psis
PT4ATM	Ptil0psis
QJBJKK	Ptil0psis

TABLE 1

Question 26 - Examination Questions

WebCode	Response
QP77KZ	Ptil0psis
QTKQLU	Ptil0psis
QUUVYJ	Ptil0psis
RG3NEM	Ptil0psis
RLG2JG	Ptil0psis
RY67PR	Ptil0psis
TKK6AD	Ptil0psis
UYXZ3E	Ptil0psis
VBWUKW	Ptil0psis
VNVZ3F	PtilOpsis
W9FEZ2	Ptilopsis
WA93JW	Ptil0psis
WFWWCN	Ptil0psis
WTJ2JK	Ptil0psis
WUBZXH	Ptil0psis
X9T8AA	Ptil0psis
XFRPTT	Ptil0psis
XRL7HU	Ptil0psis
XTDA69	Ptil0psis
YKZEML	Ptil0psis
Z9P8ME	Ptil0psis
ZDWN3V	Ptil0psis

Question 26: Provide the contents of the Google Keep note created by the user on December 12, 2021 at 11:56:34 PM(UTC+0). Report exactly as shown by the device.

Consensus Result: Ptil0psis

Expected Response Explanation:

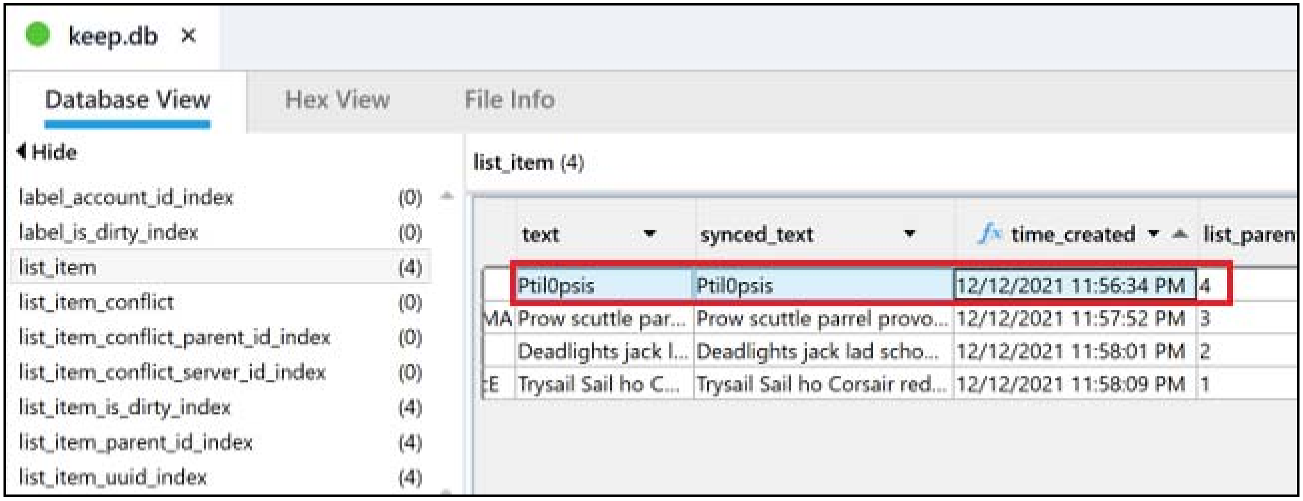
Google Keep Notes are stored in /data/data/com.google.android.keep/databases/keep.db.

TABLE 1

Question 26 - Examination Questions

Expected Response Illustration:

keep.db



label_account_id_index	(0)
label_is_dirty_index	(0)
list_item	(4)
list_item_conflict	(0)
list_item_conflict_parent_id_index	(0)
list_item_conflict_server_id_index	(0)
list_item_is_dirty_index	(4)
list_item_parent_id_index	(4)
list_item_uuid_index	(4)

	text	synced_text	time_created	list_paren
	Ptil0psis	Ptil0psis	12/12/2021 11:56:34 PM	4
MA	Prow scuttle par...	Prow scuttle parrel provo...	12/12/2021 11:57:52 PM	3
	Deadlights jack l...	Deadlights jack lad scho...	12/12/2021 11:58:01 PM	2
E	Trysail Sail ho C...	Trysail Sail ho Corsair red...	12/12/2021 11:58:09 PM	1

TABLE 1

Question 27 - Examination Questions

Question 27: Provide the text that appears in the photo taken near Lat/Long 37.497365, -77.044665.

Manufacturer's Expected Response: "LOVE" or "VIRGINIA IS FOR LOVERS"

WebCode	Response
23UUZG	LOVE VIRGINIA IS FOR LOVERS
247Q88	LOVE
27U7WG	Virginia is for Lovers
2MYDBJ	LOVE
2U62WX	LOVE VIRGINIA IS FOR LOVERS Virginia.org
3FVNA6	LOVE
3KBBPV	LOVE
3L3ECB	LOVE
3UZ3CN	LOVE
3XZD8N	LOVE
4PWV2B	LOVE
664BM3	LOVE VIRGINIA IS FOR LOVERS Virginia.org
6LUAVP	LOVE – VIRGINIA IS FOR LOVERS
6TXZGF	LOVE / VIRGINIA IS FOR LOVERS / Virginia.org
7892QC	LOVE
7MNEPN	LOVE
7NFHC4	LOVE
7TR7CZ	LOVE
7YXY6B	LOVE, VIRGINIA is FOR LOVERS Virginia.org
8DBKAL	There is a statue of the word "LOVE", and inside of the "O" it says "VIRGINIA IS FOR LOVERS".
8PT6UJ	LOVE
8Z6ED3	LOVE VIRGINIA IS FOR LOVERS Virginia.org
96CMUW	LOVE
96F39J	LOVE
9786VY	LOVE
97V4FR	LOVE VIRGINIA IS FOR LOVERS
9A7CHG	LOVE
9FXJ2P	LOVE
9GPMN6	LOVE
9GR8JK	VIRGINIA IS FOR LOVERS

TABLE 1

Question 27 - Examination Questions

WebCode	Response
9HXAYJ	LOVE
9NP7QZ	LOVE
9VBVTJ	LOVE (Virginia is for Lovers Virginia.org)
AEE66Z	LOVE VIRGINIA IS FOR LOVERS
BEDQWX	LOVE
BJ8KUY	LOVE
BWDJ36	LOVE (“VIRGINIA IS FOR LOVERS Virginia.org”can be seen inside the “O” in “LOVE”)
CKE3TU	LOVE
CMDAJF	LOVE
CV7MHE	LOVE
D3UPWH	LOVE
DCYWBH	LOVE
DRCCA8	Love
E6RW87	LOVE
EG9GR3	LOVE
ET2Z8T	LOVE
F6WE64	LOVE
GQ67MU	LOVE
GVJ24Q	LOVE
GZABDP	LOVE
HFL6MD	LOVE
HPTRTT	LOVE
J9KCUA	"LOVE" with "VIRGINIA IS FOR LOVERS Virginia.org" inside of the "O" in "LOVE"
JDCGME	Love Virginia is for Lovers Virginia.org
KHNMYE	LOVE
L8H99X	LOVE VIRGINIA IS FOR LOVERS Virginia.org
LAK8JQ	LOVE
MRLBLT	love
N3ECEN	LOVE
P627WA	LOVE VIRGINIA IS FOR LOVERS
PT4ATM	Love
QJBJKK	LOVE
QP77KZ	Virginia is for lovers Virginia.org

TABLE 1

Question 27 - Examination Questions	
WebCode	**Response**
QTKQLU	Love
QUUVYJ	LOVE
RG3NEM	LOVE
RLG2JG	love
RY67PR	LOVE
TKK6AD	LOVE
UYXZ3E	Love, Virginia Is For Lovers, Virginia.org
VBWUKW	LOVE (VIRGINIA IS FOR LOVERS)
VNVZ3F	LOVE
W9FEZ2	LOVE VIRGINIA IS FOR LOVERS
WA93JW	LOVE
WFWWCN	LOVE
WTJ2JK	LOVE
WUBZXH	LOVE
X9T8AA	LOVE
XFRPTT	LOVE
XRL7HU	Virginia is for lovers Virginia.org
XTDA69	LOVE
YKZEML	LOVE
Z9P8ME	LOVE
ZDWN3V	LOVE (small sign behind also says Virginia is for lovers)

Question 27: Provide the text that appears in the photo taken near Lat/Long 37.497365, -77.044665.

Consensus Result: "LOVE" or "VIRGINIA IS FOR LOVERS"

Expected Response Explanation:

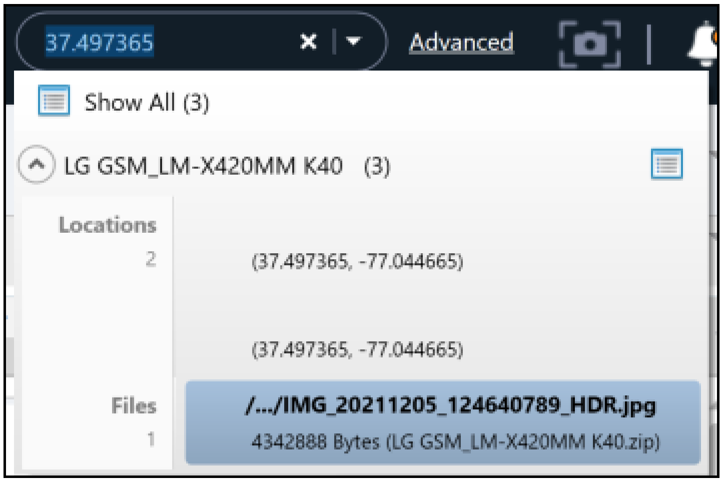
Keyword searching the extraction for text matching either of the above coordinate values will identify the photo with the embedded GPS coordinates.

TABLE 1

Question 27 - Examination Questions

Expected Response Illustration:

Cellebrite search for 37.49736



37.497365

Advanced

Show All (3)

LG GSM_LM-X420MM K40 (3)

Locations 2	(37.497365, -77.044665) (37.497365, -77.044665)
Files 1	/.../IMG_20211205_124640789_HDR.jpg 4342888 Bytes (LG GSM_LM-X420MM K40.zip)

IMG_20211205_124640789_HDR.jpg

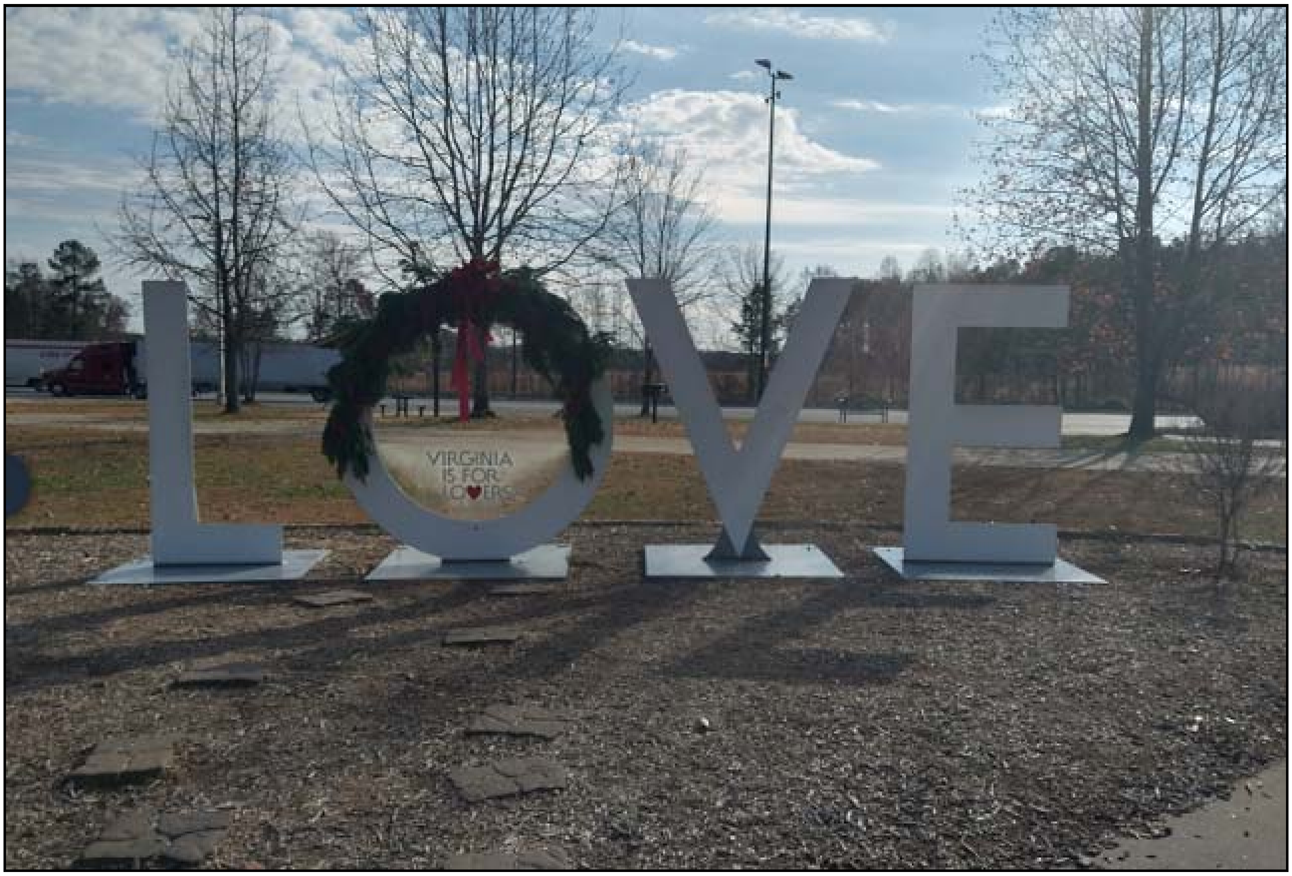


TABLE 1

Question 28 - Examination Questions

Question 28: What did the user schedule for December 31, 2021?

Manufacturer's Expected Response: Party @ mike's

WebCode	Response
23UUZG	Party @ mike's
247Q88	Party @ mike's
27U7WG	Party @ mike's
2MYDBJ	Party @ mike's
2U62WX	Party @ mike's
3FVNA6	Party @ mike's
3KBBPV	Party @ mike's
3L3ECB	Party @ mike's
3UZ3CN	Party @ mike's
3XZD8N	Party @ mike’s
4PWV2B	Party @ mike's
664BM3	Party @ mike's
6LUAVP	Party @ mike's
6TXZGF	Party @ mike's
7892QC	Party @ mike's
7MNEPN	Party @ mike's
7NFHC4	Party @ mike's
7TR7CZ	Party@mike's
7YXY6B	New Year's Eve
8DBKAL	The event "Party @ Mike's" is scheduled for 12/31/2021 11:15:00 PM to 1/1/2022 5:30:00 AM in the device's Google Calendar Events.
8PT6UJ	Party @ mike's
8Z6ED3	Party @ mike's
96CMUW	Party at mike’s
96F39J	Party@mike's
9786VY	Party @ mike's
97V4FR	Party @ Mike's
9A7CHG	Party @ mike's
9FXJ2P	Party @ mike's
9GPMN6	Party @ mike's
9GR8JK	Party @ mike's

TABLE 1

Question 28 - Examination Questions

WebCode	Response
9HXAYJ	Party @ mike's
9NP7QZ	Party @ mike's, start at 23:15:00 (UTC+0).
9VBVTJ	Party @ mike's
AEE66Z	Party @ mike's
BEDQWX	Party @ mike's
BJ8KUY	Party @ mike's
BWDJ36	Party @ mike’s
CKE3TU	Party @ mike's
CMDAJF	Party @ mike's
CV7MHE	Party @ mike's
D3UPWH	Party @ mike's
DCYWBH	Party @ mike's
DRCCA8	Party @ mike's
E6RW87	Party @ mike’s
EG9GR3	Party@Mike's (Party at Mike's)
ET2Z8T	Party @ mike's
F6WE64	Party @ mike's
GQ67MU	Party @ mike's
GVJ24Q	Party @ mike's
GZABDP	Party @ mike's
HFL6MD	Party @ mike's
HPTRTT	Party @ mike's
J9KCUA	Party @ mike's
JDCGME	Party @ mike's
KHNMYE	Party @ mike's
L8H99X	Party@mike's
LAK8JQ	Party @ mike's
MRLBLT	Party @ mike's
N3ECEN	New Year's Eve: Observance To hide observances, go to Google Calendar Settings > Holidays in United States
P627WA	Party @ mike's
PT4ATM	Party @ mike's
QJBJKK	Party @ mike's

TABLE 1

Question 28 - Examination Questions

WebCode	Response
QP77KZ	Party @ mike's
QTKQLU	Party @ mike's
QUUVYJ	Party @ mike's
RG3NEM	Party @ mike's
RLG2JG	Party @ mike's
RY67PR	Party @ mike's
TKK6AD	Party @ mike's
UYXZ3E	Party @ mike's
VBWUKW	Party @ mike's
VNVZ3F	Day off for New Year’s Day. New Year’s Eve. Party @ mike’s
W9FEZ2	Party @ mike's
WA93JW	Party @ mike's
WFWWCN	Party @ mike's
WTJ2JK	Party @ mike's
WUBZXH	Party @ mike's
X9T8AA	Party @ mike's
XFRPTT	Party @ mike’s
XRL7HU	Party @ mike's
XTDA69	Party @ mike’s
YKZEML	Day off for New Year's Day
Z9P8ME	Party @ mike's
ZDWN3V	Party @ mike's

Question 28: What did the user schedule for December 31, 2021?

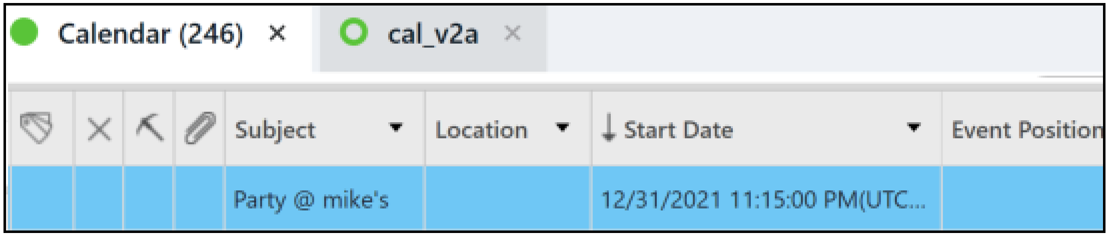
Consensus Result: Party @ mike's

Expected Response Explanation:

Google calendar entries are stored in /data/data/com.google.android.calendar/databases/cal_v2a.

Expected Response Illustration:

Cellebrite calendar pane



Subject	Location	Start Date	Event Position
Party @ mike's		12/31/2021 11:15:00 PM(UTC...	

TABLE 1

Question 29 - Examination Questions

Question 29: What website did the user visit with the Chrome browser on December 12, 2021 at 11:59:14 PM(UTC+0)? (Provide the full URL, i.e., https://site.tld/page/)

Manufacturer's Expected Response: https://reddpics.com/r/lolcats

WebCode	Response
23UUZG	https://reddpics.com/r/lolcats
247Q88	https://reddpics.com/r/lolcats
27U7WG	https://reddpics.com/r/lolcats
2MYDBJ	https://reddpics.com/r/lolcats
2U62WX	https://reddpics.com/r/lolcats
3FVNA6	https://reddpics.com/r/lolcats
3KBBPV	https://reddpics.com/r/lolcats
3L3ECB	https://reddpics.com/r/lolcats
3UZ3CN	https://reddpics.com/r/lolcats
3XZD8N	https://reddpics.com/r/lolcats
4PWV2B	https://reddpics.com/r/lolcats
664BM3	https://reddpics.com/r/lolcats
6LUAVP	https://reddpics.com/r/lolcats
6TXZGF	https://reddpics.com/r/lolcats
7892QC	https://reddpics.com/r/lolcats
7MNEPN	https://reddpics.com/r/lolcats
7NFHC4	https://reddpics.com/r/lolcats
7TR7CZ	https://reddpics.com/r/lolcats
7YXY6B	https://reddpics.com/r/lolcats
8DBKAL	https://reddpics.com/r/lolcats
8PT6UJ	https://reddpics.com/r/lolcats
8Z6ED3	https://reddpics.com/r/lolcats
96CMUW	https://reddpics.com/r/locats
96F39J	https://reddpics.com/r/lolcats
9786VY	https://reddpics.com/r/lolcats
97V4FR	https://reddpics.com/r/lolcats
9A7CHG	https://reddpics.com/r/lolcats
9FXJ2P	https://reddpics.com/r/lolcats
9GPMN6	https://reddpics.com/r/lolcats

TABLE 1

Question 29 - Examination Questions

WebCode	Response
9GR8JK	https://reddpics.com/r/lolcats
9HXAYJ	https://reddpics.com/r/lolcats
9NP7QZ	https://reddpics.com/r/lolcats
9VBVTJ	https://reddpics.com/r/lolcats
AEE66Z	https://reddpics.com/r/lolcats
BEDQWX	https://reddpics.com/r/lolcats
BJ8KUY	https://reddpics.com/r/lolcats
BWDJ36	https://reddpics.com/r/lolcats
CKE3TU	https://reddpics.com/r/lolcats
CMDAJF	https://reddpics.com/r/lolcats
CV7MHE	https://reddpics.com/r/lolcats
D3UPWH	https://reddpics.com/r/lolcatslolcats
DCYWBH	https://reddpics.com/r/lolcats
DRCCA8	https://reddpics.com/r/lolcats
E6RW87	https://reddpics.com/r/lolcats
EG9GR3	https://reddpics.com/r/lolcats
ET2Z8T	https://reddpics.com/r/lolcats
F6WE64	https://reddpics.com/r/lolcats
GQ67MU	https://reddpics.com/r/lolcats
GVJ24Q	https://reddpics.com/r/lolcats
GZABDP	https://reddpics.com/r/lolcats
HFL6MD	https://reddpics.com/r/lolcats
HPTRTT	https://reddpics.com/r/lolcats
J9KCUA	https://reddpics.com/r/lolcats
JDCGME	https://reddpics.com/r/lolcats
KHNMYE	https://reddpics.com/r/lolcats
L8H99X	https://reddpics.com/r/lolcats
LAK8JQ	https://reddpics.com/r/lolcats
MRLBLT	https://reddpics.com/r/lolcats
N3ECEN	https://reddpics.com/r/lolcats
P627WA	https://reddpics.com/r/lolcats
PT4ATM	https://reddpics.com/r/lolcats
QJBJKK	https://reddpics.com/r/lolcats

TABLE 1

Question 29 - Examination Questions

WebCode	Response
QP77KZ	https://reddpics.com/r/lolcats
QTKQLU	https://reddpics.com/r/lolcats
QUUVYJ	https://reddpics.com/r/lolcats
RG3NEM	https://reddpics.com/r/lolcats
RLG2JG	https://reddpics.com/r/lolcats
RY67PR	https://reddpics.com/r/lolcats
TKK6AD	https://reddpics.com/r/lolcats
UYXZ3E	https://reddpics.com/r/lolcats
VBWUKW	https://reddpics.com/r/lolcats
VNVZ3F	https://reddpics.com/r/lolcats
W9FEZ2	https://reddpics.com/r/lolcats
WA93JW	https://reddpics.com/r/lolcats
WFWWCN	https://reddpics.com/r/lolcats
WTJ2JK	https://reddpics.com/r/lolcats
WUBZXH	https://reddpics.com/r/lolcats
X9T8AA	https://reddpics.com/r/lolcats
XFRPTT	https://reddpics.com/r/lolcats
XRL7HU	https://reddpics.com/r/lolcats
XTDA69	https://reddpics.com/r/lolcats
YKZEML	https://reddpics.com/r/lolcats
Z9P8ME	https://reddpics.com/r/lolcats
ZDWN3V	https://reddpics.com/r/lolcats

Question 29: What website did the user visit with the Chrome browser on December 12, 2021 at 11:59:14 PM(UTC+0)? (Provide the full URL, i.e., https://site.tld/page/)

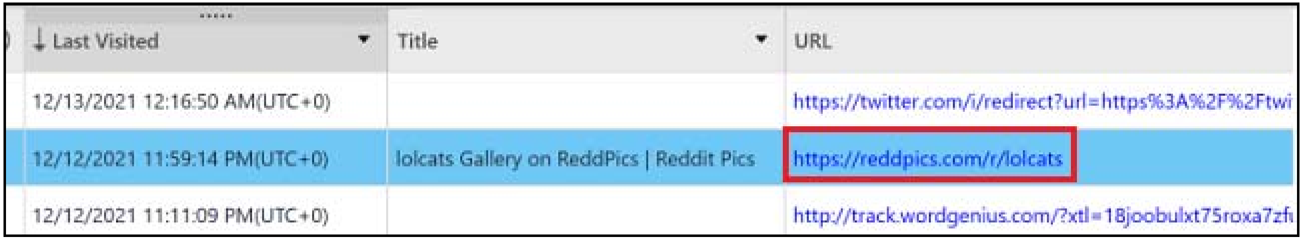
Consensus Result: https://reddpics.com/r/lolcats

Expected Response Explanation:

Browsing history for the chrome browser is stored in /data/data/com.android.chrome/app_chrome/Default/History.

Expected Response Illustration:

Cellebrite Web History pane



Last Visited	Title	URL
12/13/2021 12:16:50 AM(UTC+0)		https://twitter.com/i/redirect?url=https%3A%2F%2Ftwi
12/12/2021 11:59:14 PM(UTC+0)	lolcats Gallery on ReddPics | Reddit Pics	https://reddpics.com/r/lolcats
12/12/2021 11:11:09 PM(UTC+0)		http://track.wordgenius.com/?xtl=18joobulxt75roxa7zfi

TABLE 1

Question 30 - Examination Questions

Question 30: What file did the user send via email attachment on December 12, 2021? (Provide the full filename and extension)

Manufacturer's Expected Response: COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

WebCode	Response
23UUZG	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
247Q88	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
27U7WG	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
2MYDBJ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
2U62WX	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
3FVNA6	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
3KBBPV	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
3L3ECB	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
3UZ3CN	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
3XZD8N	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
4PWV2B	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
664BM3	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
6LUAVP	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
6TXZGF	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
7892QC	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf (application/pdf)
7MNEPN	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
7NFHC4	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020) (1).pdf
7TR7CZ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
7YXY6B	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
8DBKAL	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
8PT6UJ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
8Z6ED3	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
96CMUW	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
96F39J	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9786VY	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
97V4FR	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9A7CHG	LG GSM_LM-X420MM K40.zip/data/media/0/Download/COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9FXJ2P	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9GPMN6	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

TABLE 1

Question 30 - Examination Questions

WebCode	Response
9GR8JK	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9HXAYJ	Covid-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9NP7QZ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
9VBVTJ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
AEE66Z	https://mail.google.com/mail/?ui=2&ik=3a535ab80d&attid=0.1&th=17db055ab9afb1f6&view=att&realattid=17db0559ef3f81db0402&zw
BEDQWX	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
BJ8KUY	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
BWDJ36	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
CKE3TU	COVID-19_Vaccinations__Record_Card_CDC_(8-17-2020).pdf
CMDAJF	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
CV7MHE	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
D3UPWH	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
DCYWBH	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
DRCCA8	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
E6RW87	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
EG9GR3	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
ET2Z8T	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
F6WE64	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
GQ67MU	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
GVJ24Q	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
GZABDP	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
HFL6MD	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
HPTRTT	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
J9KCUA	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
JDCGME	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
KHNMYE	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
L8H99X	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
LAK8JQ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
MRLBLT	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
N3ECEN	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
P627WA	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
PT4ATM	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

TABLE 1

Question 30 - Examination Questions

WebCode	Response
QJBJKK	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
QP77KZ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
QTKQLU	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
QUUVYJ	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
RG3NEM	COVID-19_Vaccination_Record_Card _CDC_(8-17-2020).pdf
RLG2JG	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
RY67PR	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
TKK6AD	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
UYXZ3E	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
VBWUKW	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
VNVZ3F	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
W9FEZ2	COVID-19_Vaccination_Record_Card_CDC_(8-17-202).pdf
WA93JW	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf https://mail.google.com/mail/?ui=2&ik=3a535ab80d&attid=0.1&th=17db055ab9afb1f6&view=att&realattid=17db0559ef3f81db0402&zw
WFWWCN	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
WTJ2JK	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
WUBZXH	COVID-19_Vaccination_Record_Card _CDC_(8-17-2020).pdf
X9T8AA	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
XFRPTT	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
XRL7HU	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
XTDA69	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
YKZEML	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
Z9P8ME	30. COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf LG GSM_LM-X420MM K40.zip/data/media/0/Download/COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
ZDWN3V	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

Question 30: What file did the user send via email attachment on December 12, 2021? (Provide the full filename and extension)

Consensus Result: COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

Expected Response Explanation:

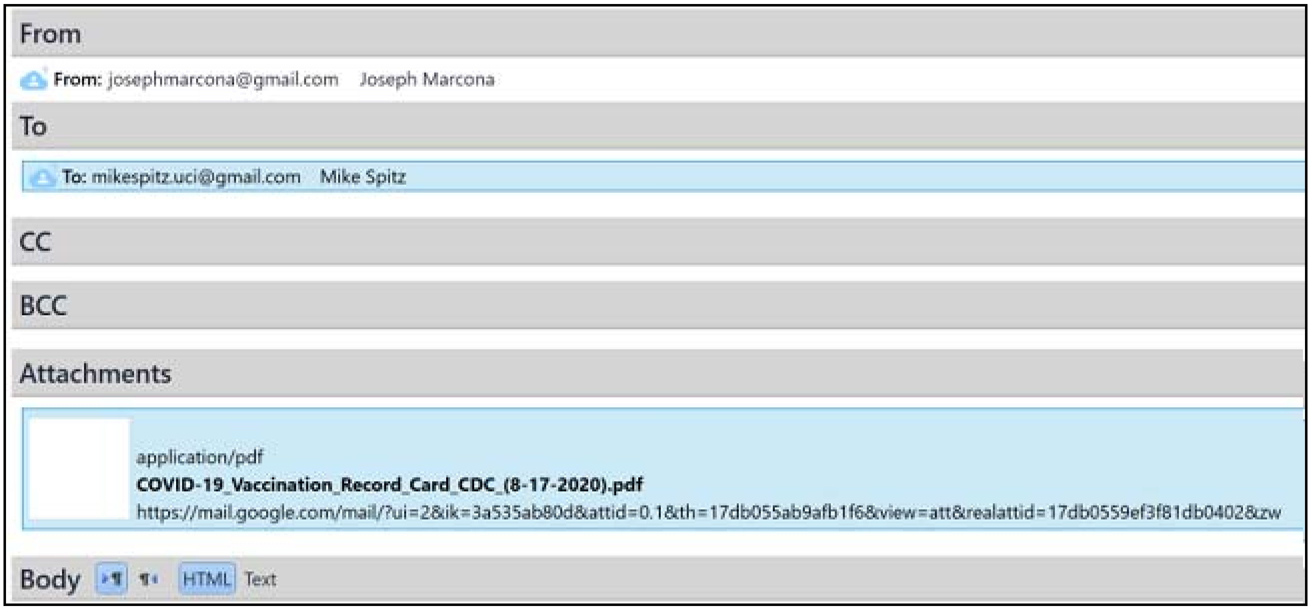
Only one email was sent by the user on December 12 and it had one attachment.

TABLE 1

Question 30 - Examination Questions

Expected Response Illustration:

Cellebrite email attachment view



From

From: josephmarcona@gmail.com Joseph Marcona

To

To: mikespitz.uci@gmail.com Mike Spitz

CC

BCC

Attachments

application/pdf

COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

https://mail.google.com/mail/?ui=2&ik=3a535ab80d&attid=0.1&th=17db055ab9afb1f6&view=att&realattid=17db0559ef3f81db04028&zw

TABLE 1

Question 31 - Examination Questions

Question 31: Provide the MD5 Hash of the file the user sent via email attachment on December 12, 2021?

Manufacturer's Expected Response: a6fe140921e6ef255d90b9ca1a273493

WebCode	Response
23UUZG	a6fe140921e6ef255d90b9ca1a273493
247Q88	a6fe140921e6ef255d90b9ca1a273493
27U7WG	a6fe140921e6ef255d90b9ca1a273493
2MYDBJ	a6fe140921e6ef255d90b9ca1a273493
2U62WX	a6fe140921e6ef255d90b9ca1a273493
3FVNA6	a6fe140921e6ef255d90b9ca1a273493
3KBBPV	a6fe140921e6ef255d90b9ca1a273493
3L3ECB	a6fe140921e6ef255d90b9ca1a273493
3UZ3CN	a6fe140921e6ef255d90b9ca1a273493
3XZD8N	a6fe140921e6ef255d90b9ca1a273493
4PWV2B	6fe140921e6ef255d90b9ca1a273493
664BM3	a6fe140921e6ef255d90b9ca1a273493
6LUAVP	a6fe140921e6ef255d90b9ca1a273493
6TXZGF	A6FE140921E6EF255D90B9CA1A273493
7892QC	a6fe140921e6ef255d90b9ca1a273493
7MNEPN	a6fe140921e6ef255d90b9ca1a273493
7NFHC4	a6fe140921e6ef255d90b9ca1a273493
7TR7CZ	a6fe140921e6ef255d90b9ca1a273493
7YXY6B	A6FE140921E6EF255D90B9CA1A273493
8DBKAL	A6FE140921E6EF255D90B9CA1A273493
8PT6UJ	a6fe140921e6ef255d90b9ca1a273493
8Z6ED3	a6fe140921e6ef255d90b9ca1a273493
96CMUW	a6fe140921e6ef255d90b9ca1a273493
96F39J	a6fe140921e6ef255d90b9ca1a273493
9786VY	A6FE140921E6EF255D90B9CA1A273493
97V4FR	a6fe140921e6ef255d90b9ca1a273493
9A7CHG	a6fe140921e6ef255d90b9ca1a273493
9FXJ2P	A6FE140921E6EF255D90B9CA1A273493
9GPMN6	a6fe140921e6ef255d90b9ca1a273493
9GR8JK	A6FE140921E6EF255D90B9CA1A273493

TABLE 1

Question 31 - Examination Questions

WebCode	Response
9HXAYJ	a6fe140921e6ef255d90b9ca1a273493
9NP7QZ	a6fe140921e6ef255d90b9ca1a273493
9VBVTJ	a6fe140921e6ef255d90b9ca1a273493
AEE66Z	60c5de5f5c313c8ba9c710a54d547192
BEDQWX	A6FE140921E6EF255D90B9CA1A273493
BJ8KUY	a6fe140921e6ef255d90b9ca1a273493
BWDJ36	a6fe140921e6ef255d90b9ca1a273493
CKE3TU	a6fe140921ef255d90b9ca1a273493
CMDAJF	a6fe140921e6ef255d90b9ca1a273493
CV7MHE	a6fe140921e6ef255d90b9ca1a273493
D3UPWH	Not within laboratory's scope
DCYWBH	a6fe140921e6ef255d90b9ca1a273493
DRCCA8	a6fe140921e6ef255d90b9ca1a273493
E6RW87	a6fe140921e6ef255d90b9ca1a273493
EG9GR3	abfe140921e6ef255d90b9ca1a273493
ET2Z8T	A6FE140921E6EF255D90B9CA1A273493
F6WE64	a6fe140921e6ef255d90b9ca1a273493
GQ67MU	a6fe140921e6ef255d90b9ca1a273493
GVJ24Q	a6fe140921e6ef255d90b9ca1a273493
GZABDP	a6fe140921e6ef255d90b9ca1a273493
HFL6MD	a6fe140921e6ef255d90b9ca1a273493
HPTRTT	a6fe140921e6ef255d90b9ca1a273493
J9KCUA	a6fe140921e6ef255d90b9ca1a273493
JDCGME	a6fe140921e6ef255d90b9ca1a273493
KHNMYE	a6fe140921e6ef255d90b9ca1a273493
L8H99X	A6FE140921E6EF255D90B9CA1A273493
LAK8JQ	a6fe140921e6ef255d90b9ca1a273493
MRLBLT	a6fe140921e6ef255d90b9ca1a273493
N3ECEN	A6FE140921E6EF255D90B9CA1A273493
P627WA	a6fe140921e6ef255d90b9ca1a273493
PT4ATM	A6FE140921E6EF255D90B9CA1A273493
QJBJKK	a6fe140921e6ef255d90b9ca1a273493
QP77KZ	a6fe140921e6ef255d90b9ca1a273493

TABLE 1

Question 31 - Examination Questions

WebCode	Response
QTKQLU	a6fe140921e6ef255d90b9ca1a273493
QUUVYJ	A6FE140921E6EF255D90B9CA1A273493
RG3NEM	a6fe140921e6ef255d90b9ca1a273493
RLG2JG	a6fe140921e6ef255d90b9ca1a273493
RY67PR	a6fe140921e6ef255d90b9ca1a273493
TKK6AD	A6FE140921E6EF255D90B9CA1A273493
UYXZ3E	a6fe140921e6ef255d90b9ca1a273493
VBWUKW	A6FE140921E6EF255D90B9CA1A273493
VNVZ3F	MD5: a6fe140921e6ef255d90b9ca1a273493
W9FEZ2	a6fe140921e6ef255d90b9ca1a273493
WA93JW	a6fe140921e6ef255d90b9ca1a273493
WFWWCN	a6fe140921e6ef255d90b9ca1a273493
WTJ2JK	a6fe140921e6ef255d90b9ca1a273493
WUBZXH	a6fe140921e6ef255d90b9ca1a273493
X9T8AA	A6FE140921E6EF255D90B9CA1A273493
XFRPTT	a6fe140921e6ef255d90b9ca1a273493
XRL7HU	a6fe140921e6ef255d90b9ca1a273493
XTDA69	a6fe140921e6ef255d90b9ca1a273493
YKZEML	A6FE140921E6EF255D90B9CA1A273493
Z9P8ME	a6fe140921e6ef255d90b9ca1a273493
ZDWN3V	a6fe140921e6ef255d90b9ca1a273493

Question 31: Provide the MD5 Hash of the file the user sent via email attachment on December 12, 2021?

Consensus Result: a6fe140921e6ef255d90b9ca1a273493

Expected Response Explanation:

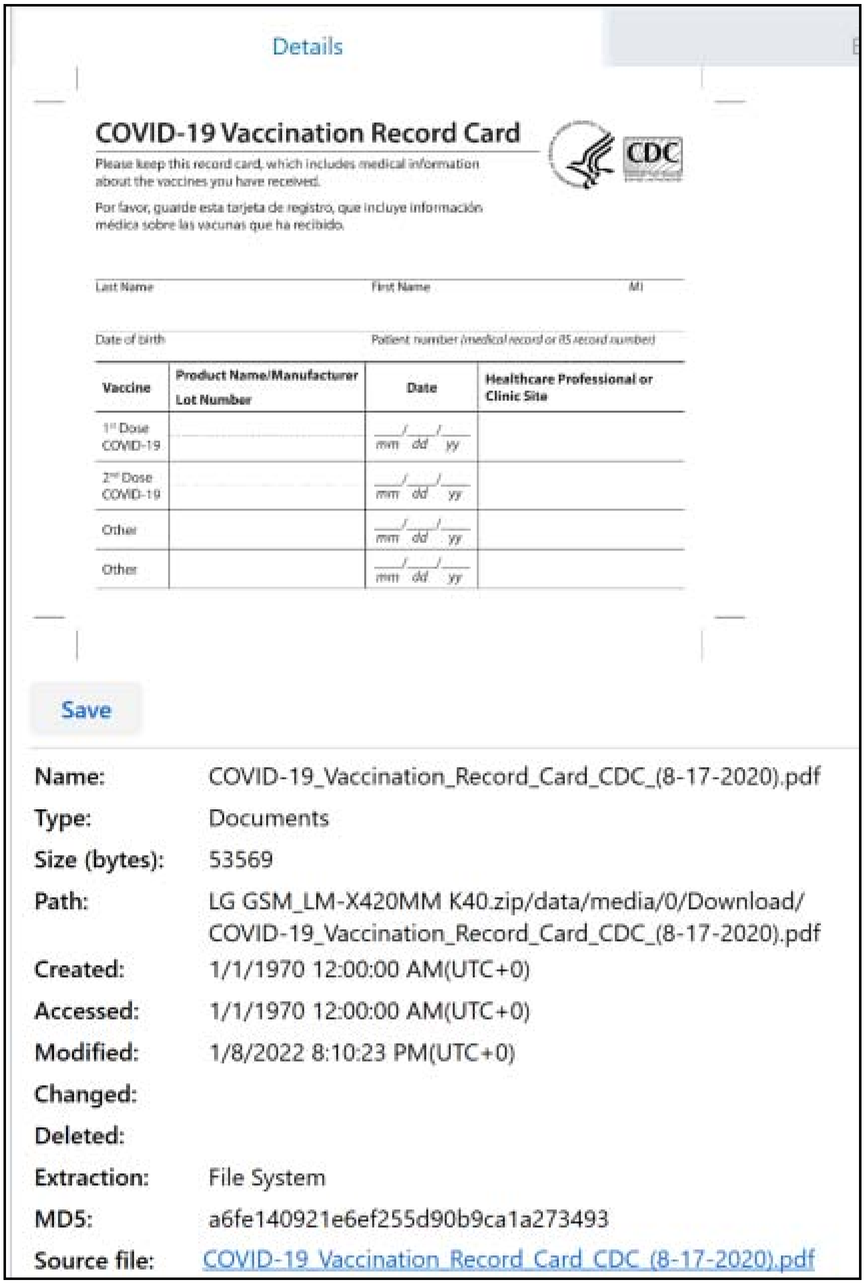
The file can be extracted/exported from the email and hashed. There are two identical copies of this file in the Downloads directory.

TABLE 1

Question 31 - Examination Questions

Expected Response Illustration:

Cellebrite file details view



COVID-19 Vaccination Record Card

Please keep this record card, which includes medical information about the vaccines you have received.

Por favor, guarde esta tarjeta de registro, que incluye información médica sobre las vacunas que ha recibido.

Last Name First Name MI

Date of birth Patient number *(medical record or IIS record number)*

Vaccine	Product Name/Manufacturer Lot Number	Date	Healthcare Professional or Clinic Site
1st Dose COVID-19		___/___/___ *mm dd yy*	
2nd Dose COVID-19		___/___/___ *mm dd yy*	
Other		___/___/___ *mm dd yy*	
Other		___/___/___ *mm dd yy*	

Name:	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
Type:	Documents
Size (bytes):	53569
Path:	LG GSM_LM-X420MM K40.zip/data/media/0/Download/ COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf
Created:	1/1/1970 12:00:00 AM(UTC+0)
Accessed:	1/1/1970 12:00:00 AM(UTC+0)
Modified:	1/8/2022 8:10:23 PM(UTC+0)
Changed:	
Deleted:	
Extraction:	File System
MD5:	a6fe140921e6ef255d90b9ca1a273493
Source file:	COVID-19_Vaccination_Record_Card_CDC_(8-17-2020).pdf

TABLE 1

Question 32 - Examination Questions

Question 32: Where is the user scheduled to play trivia? Provide name and address.

Manufacturer's Expected Response: Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA

WebCode	Response
23UUZG	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
247Q88	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
27U7WG	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
2MYDBJ	Trivia Night - Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
2U62WX	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
3FVNA6	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
3KBBPV	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
3L3ECB	Trivia Night - Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
3UZ3CN	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
3XZD8N	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
4PWV2B	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
664BM3	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
6LUAVP	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
6TXZGF	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
7892QC	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
7MNEPN	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
7NFHC4	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
7TR7CZ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
7YXY6B	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
8DBKAL	Trivia Night is at Miller's Ale House. 46280 Potomac Run Plaza, Sterling, VA, 20164, USA
8PT6UJ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
8Z6ED3	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
96CMUW	Trivia Night, Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
96F39J	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9786VY	Name: Miller's Ale House; Address: 46280 Potomac Run Plaza, Sterling, VA 20164, USA
97V4FR	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9A7CHG	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9FXJ2P	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9GPMN6	Trivia Nigh, Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9GR8JK	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA

TABLE 1

Question 32 - Examination Questions	
WebCode	**Response**
9HXAYJ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9NP7QZ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
9VBVTJ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
AEE66Z	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
BEDQWX	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
BJ8KUY	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
BWDJ36	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
CKE3TU	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, Va 20164
CMDAJF	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
CV7MHE	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
D3UPWH	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
DCYWBH	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
DRCCA8	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
E6RW87	Miller’s Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA.
EG9GR3	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
ET2Z8T	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
F6WE64	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
GQ67MU	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
GVJ24Q	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
GZABDP	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
HFL6MD	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
HPTRTT	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
J9KCUA	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164
JDCGME	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
KHNMYE	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
L8H99X	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
LAK8JQ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
MRLBLT	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
N3ECEN	46280 Potomac Run Plaza, Sterling, VA 20164, USA
P627WA	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
PT4ATM	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA
QJBJKK	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
QP77KZ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA

TABLE 1

Question 32 - Examination Questions	
WebCode	**Response**
QTKQLU	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
QUUVYJ	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
RG3NEM	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
RLG2JG	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
RY67PR	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
TKK6AD	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
UYXZ3E	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
VBWUKW	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
VNVZ3F	Trivia Night – Miller's Ale House, 46280 Potomac Run Plaza.
W9FEZ2	Miller's Ale House 46280 Potomac Run Plaza, Sterling, VA 20164, USA
WA93JW	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
WFWWCN	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
WTJ2JK	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
WUBZXH	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
X9T8AA	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
XFRPTT	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
XRL7HU	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
XTDA69	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
YKZEML	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
Z9P8ME	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA
ZDWN3V	Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164

Question 32: Where is the user scheduled to play trivia? Provide name and address.

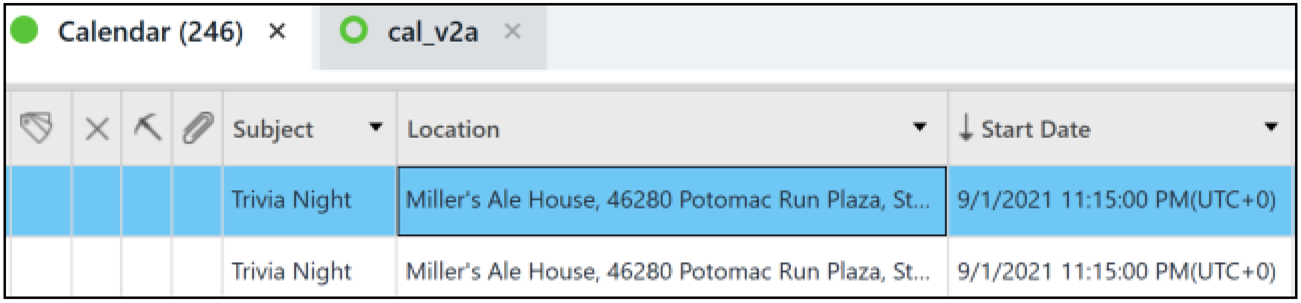
Consensus Result: Miller's Ale House, 46280 Potomac Run Plaza, Sterling, VA 20164, USA

Expected Response Explanation:

Google calendar entries are stored in /data/data/com.google.android.calendar/databases/cal_v2a.

Expected Response Illustration:

Cellebrite calendar pane



Subject	Location	Start Date
Trivia Night	Miller's Ale House, 46280 Potomac Run Plaza, St...	9/1/2021 11:15:00 PM(UTC+0)
Trivia Night	Miller's Ale House, 46280 Potomac Run Plaza, St...	9/1/2021 11:15:00 PM(UTC+0)

TABLE 1

Question 33 - Examination Questions

Question 33: Describe the content of the file with MD5 hash 5d66d31538d9aff0f86ed7423214f0fc.

Manufacturer's Expected Response: Video of (McDonalds) French Fries and variations representing the same information

WebCode	Response
23UUZG	MP$ 2 second movie of French fries and salt falling
247Q88	An .mp4 video showing french fries
27U7WG	splash_ft_freefriesfridayv2_Apr2021.mp4
2MYDBJ	French Fries and Salt falling
2U62WX	Video of McDonalds french fries
3FVNA6	A video of fries falling
3KBBPV	Video (mp4) File Showing French Fries
3L3ECB	fried potatoes video
3UZ3CN	A video file named splash_ft_freefriesfridayv2_Apr2021.mp4 of fries being tossed in salt.
3XZD8N	Video file of French fries and salt dropping
4PWV2B	French Fries Video
664BM3	French Fries
6LUAVP	The file is a video of McDonald's French fries.
6TXZGF	Salt sprinkled on french fries
7892QC	LG GSM_LM-X420MM K40.zip/data/data/com.mcdonalds.app/files/campaign/splash_ft_freefriesfridayv2_Apr2021.mp4 - Advertisement from McDonalds for Free Fries Friday. Video shows salty fries falling.
7MNEPN	French fries
7NFHC4	Video of fries
7TR7CZ	Chips/Fries dropping into cooking oil
7YXY6B	Many potato chips are shown on the screen as a video file.
8DBKAL	The file with the referenced MD5 hash is a .mp4 video file of falling French Fries.
8PT6UJ	.mp4 video file containing footage of french fries
8Z6ED3	advertisement video of french fries
96CMUW	chips
96F39J	An MPEG-4 video file depicting fries and salt
9786VY	The content of the file is a video recording the French fries.
97V4FR	salting french fries video named splash_ft_freefriesfridayv2_Apr2021.mp4
9A7CHG	French Fries video
9FXJ2P	Campaign video of free fries Friday at McDonalds
9GPMN6	The fry potatoes splash

TABLE 1

Question 33 - Examination Questions

WebCode	Response
9GR8JK	splash_ft_freefriesfridayv2_Apr2021.mp4 - a video of fries dropping
9HXAYJ	Chips
9NP7QZ	Falling fries (File name: splash_ft_freefriesfridayv2_Apr2021.mp4)
9VBVTJ	Video of French fries splash
AEE66Z	mp4 video of french fries
BEDQWX	A video of fries falling into frame with salt being sprinkled onto them.
BJ8KUY	The content appears to be a video of falling french fries with salt being sprinkled on them.
BWDJ36	This is mp4 video file. The video contains falling French fries. The name of the file is: splash_ft_freefriesfridayv2_Apr2021.mp4
CKE3TU	Video of french fries
CMDAJF	Falling chips/French fries and salt
CV7MHE	Fries
D3UPWH	Not within laboratory's scope
DCYWBH	French Fries
DRCCA8	Video of fries
E6RW87	An mp4 video file of fries being shaken around
EG9GR3	Video file containing falling chips (fries) and salt
ET2Z8T	video with fries
F6WE64	French Fries/potato fries with white like particles
GQ67MU	Video of fries
GVJ24Q	French fries
GZABDP	French fries
HFL6MD	Video of French Fries
HPTRTT	Video of French fries
J9KCUA	Video of french fries and salt falling from top of screen
JDCGME	video of frenchfries named splash_ft_freefriesfridayv2_Apr2021.mp4
KHNMYE	Video of French fries being salted.
L8H99X	splash_ft_freefriesfridayv2_Apr2021.mp4, falling french fries
LAK8JQ	free fries
MRLBLT	video of french fries
N3ECEN	French Fries
P627WA	splash_ft_free-fries-fridayv2_April2021.mp4 (video of falling french fries)
PT4ATM	French Fries potatose

TABLE 1

Question 33 - Examination Questions

WebCode	Response
QJBJKK	French fries
QP77KZ	It is a video of french fries.
QTKQLU	Potato chips
QUUVYJ	Drop the french fries
RG3NEM	Video of fries being shaken with salt
RLG2JG	a video shows French fries
RY67PR	Video of falling french fries
TKK6AD	French fries and salt falling on a stack of French fries
UYXZ3E	Video of fries dropping and 'salt' being sprinkled on them
VBWUKW	This file name is splash_ft_freefriesfridayv2_Apr2021.mp4. And MCDomalds French fries are scattered and salt is being sprinkled.
VNVZ3F	The file is a short video, where you can see what appears to be French fries.
W9FEZ2	salting french fries video file named - splash_ft_freefriesfridayv2_Apr2021.mp4
WA93JW	French fries
WFWWCN	Falling fries
WTJ2JK	Video of chips and salt falling
WUBZXH	Video of fries being shaken with salt
X9T8AA	splashing fries
XFRPTT	video file of fries
XRL7HU	French fries and salt
XTDA69	This is a two second video of French fries falling.
YKZEML	Potato fries (video)
Z9P8ME	An image of what is potentially French fries
ZDWN3V	splash_ft_freefriesfridayv2_Apr2021.mp4, Video of fries

Question 33: Describe the content of the file with MD5 hash 5d66d31538d9aff0f86ed7423214f0fc.

Consensus Result: Video of (McDonalds) French Fries and variations representing the same information

Expected Response Explanation:

Searching files by the provided hash finds data/data/com.mcdonalds.app/files/campaign/splash_ft_freefriesfridayv2_Apr2021.mp4.

TABLE 1

Question 33 - Examination Questions

Expected Response Illustration:

splash_ft_freefriesfridayv2_Apr2021.mp4

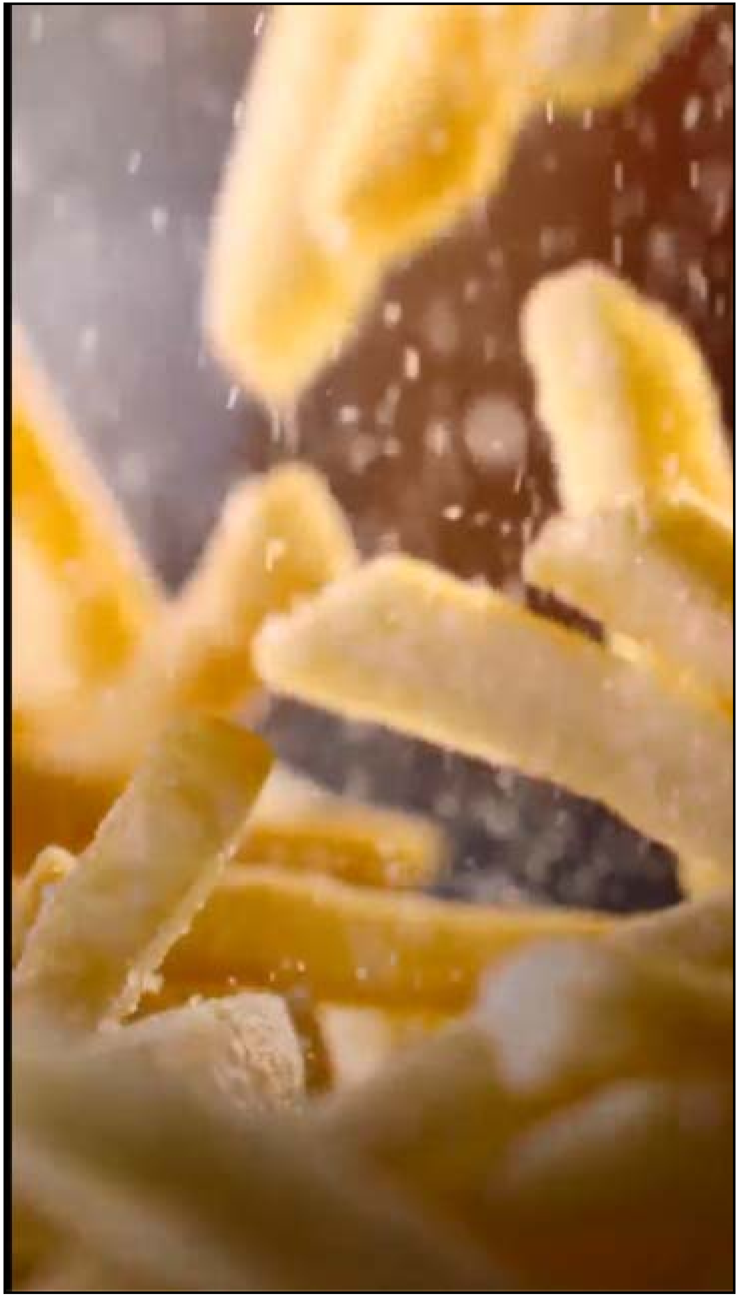


TABLE 1

Question 34 - Examination Questions

Question 34: What camera make and model was used to take the photograph of the lion head sculpture with SHA1 hash 22C92090CC17FF266120D8A3BE881DC599CE25A2?

Manufacturer's Expected Response:	Camera Make: Motorola Camera Model: moto g stylus

WebCode	Response
23UUZG	Camera Make: motorola , Camera Model: moto g stylus
247Q88	Camera Make: motorola, Camera Model: moto g stylus
27U7WG	Camera Make: motorola , Camera Model: moto g stylus
2MYDBJ	Camera Make: Motorola, Camera Model: moto g stylus
2U62WX	Camera Make: motorola, Camera Model: moto g stylus
3FVNA6	Camera Make: motorola, Camera Model: moto g stylus
3KBBPV	Camera Make: Motorola, Camera Model: moto g stylus
3L3ECB	Camera Make: motorola, Camera Model: moto g stylus
3UZ3CN	Camera Make: motorola, Camera Model: moto g stylus
3XZD8N	Camera Make: motorola, Camera Model: moto g stylus
4PWV2B	Camera Make: Motorola, Camera Model: moto g stylus
664BM3	Camera Make: motorola, Camera Model: moto g stylus
6LUAVP	Camera Make: Motorola, Camera Model: Moto G Stylus
6TXZGF	Camera Make: motorola, Camera Model: moto g stylus
7892QC	Camera Make: motorola, Camera Model: moto g stylus
7MNEPN	Camera Make: Motorola, Camera Model: Moto G Stylus
7NFHC4	Camera Make: motorola, Camera Model: moto g stylus
7TR7CZ	Camera Make: Motorola, Camera Model: Moto g stylus
7YXY6B	Camera Make: motorola, Camera Model: moto g stylus
8DBKAL	Camera Make: Motorola, Camera Model: Moto G Stylus
8PT6UJ	Camera Make: motorola, Camera Model: moto g stylus
8Z6ED3	Camera Make: motorola, Camera Model: moto g stylus
96CMUW	Camera Make: motorola, Camera Model: moto g stylus
96F39J	Camera Make: motorola, Camera Model: moto g stylus
9786VY	Camera Make: motorola, Camera Model: moto g stylus
97V4FR	Camera Make: Motorola, Camera Model: moto g stylus
9A7CHG	Camera Make: motorola, Camera Model: moto g stylus
9FXJ2P	Camera Make: Motorola, Camera Model: moto g stylus
9GPMN6	Camera Make: Motorola, Camera Model: moto g stylus

TABLE 1

Question 34 - Examination Questions

WebCode	Response
9GR8JK	Camera Make: Motorola, Camera Model: Moto G Stylus
9HXAYJ	Camera Make: Motorola, Camera Model: Moto g stylus
9NP7QZ	Camera Make: motorola, Camera Model: moto g stylus
9VBVTJ	Camera Make: Motorola, Camera Model: moto g stylus
AEE66Z	Camera Make: motorola, Camera Model: moto g stylus
BEDQWX	Camera Make: Motorola, Camera Model: Moto g stylus
BJ8KUY	Camera Make: motorola, Camera Model: moto g stylus
BWDJ36	Camera Make: motorola, Camera Model: moto g stylus
CKE3TU	Camera Make: Motorola, Camera Model: Moto g Stylus
CMDAJF	Camera Make: motorola, Camera Model: moto g stylus
CV7MHE	Camera Make: motorola, Camera Model: moto g stylus
D3UPWH	Camera Make: motorola , Camera Model: moto g stylus
DCYWBH	Camera Make: motorola, Camera Model: moto g stylus
DRCCA8	Camera Make: motorola , Camera Model: moto g stylus
E6RW87	Camera Make: Motorola, Camera Model: Moto G Stylus
EG9GR3	Camera Make: motorola, Camera Model: moto g stylus
ET2Z8T	Camera Make: motorola, Camera Model: moto g stylus
F6WE64	Camera Make: motorola, Camera Model: moto g stylus
GQ67MU	Camera Make: Motorola, Camera Model: moto g stylus
GVJ24Q	Camera Make: Motorola, Camera Model: Motorola G Stylus
GZABDP	Camera Make: Motorola, Camera Model: moto g style
HFL6MD	Camera Make: Motorola, Camera Model: Moto G Stylus
HPTRTT	Camera Make: Motorola, Camera Model: Moto G Stylus
J9KCUA	Camera Make: motorola, Camera Model: moto g stylus
JDCGME	Camera Make: Motorola, Camera Model: Moto g stylus
KHNMYE	Camera Make: Motorola, Camera Model: moto g stylus
L8H99X	Camera Make: motorola, Camera Model: moto g stylus
LAK8JQ	Camera Make: motorola, Camera Model: moto g stylus
MRLBLT	Camera Make: motorola, Camera Model: moto g stylus
N3ECEN	Camera Make: motorola, Camera Model: moto g stylus
P627WA	Camera Make: motorola, Camera Model: moto g stylus
PT4ATM	Camera Make: motorola, Camera Model: moto g stylus
QJBJKK	Camera Make: motorola, Camera Model: moto g stylus

TABLE 1

Question 34 - Examination Questions

WebCode	Response
QP77KZ	Camera Make: motorola, Camera Model: moto g stylus
QTKQLU	Camera Make: motorola , Camera Model: moto g stylus
QUUVYJ	Camera Make: motorola, Camera Model: moto g stylus
RG3NEM	Camera Make: Motorola, Camera Model: Moto g stylus
RLG2JG	Camera Make: motorola, Camera Model: moto g stylus
RY67PR	Camera Make: motorola, Camera Model: moto g stylus
TKK6AD	Camera Make: motorola, Camera Model: moto g stylus
UYXZ3E	Camera Make: Motorola, Camera Model: Moto g stylus
VBWUKW	Camera Make: motorola, Camera Model: moto g stylus
VNVZ3F	Camera Make: motorola, Camera Model: moto g stylus
W9FEZ2	Camera Make: motorola, Camera Model: moto g stylus
WA93JW	Camera Make: motorola, Camera Model: moto g stylus
WFWWCN	Camera Make: Motorola, Camera Model: moto g stylus
WTJ2JK	Camera Make: motorola, Camera Model: moto g stylus
WUBZXH	Camera Make: Motorola, Camera Model: Moto g stylus
X9T8AA	Camera Make: motorola, Camera Model: moto g stylus
XFRPTT	Camera Make: motorola, Camera Model: moto g stylus
XRL7HU	Camera Make: motorola, Camera Model: moto g stylus
XTDA69	Camera Make: motorola, Camera Model: moto g stylus
YKZEML	Camera Make: motorola, Camera Model: moto g stylus
Z9P8ME	Camera Make: MOTOROLA, Camera Model: MOTO G STYLUS
ZDWN3V	Camera Make: Motorola, Camera Model: Moto G Stylus

Question 34: What camera make and model was used to take the photograph of the lion head sculpture with SHA1 hash 22C92090CC17FF266120D8A3BE881DC599CE25A2?

Consensus Result: Camera Make: Motorola
Camera Model: moto g stylus

Expected Response Explanation:

Reviewing the images from the extraction will locate two pictures of a lion's head. One of these pictures has the specified hash: /data/media/0/Download/IMG_20211210_201219514.jpg. The EXIF metadata embedded in that file indicates it was taken with a Motorola moto g stylus (smartphone) camera.

TABLE 1

Question 34 - Examination Questions

Expected Response Illustration:

IMG_20211210_201219514.jpg

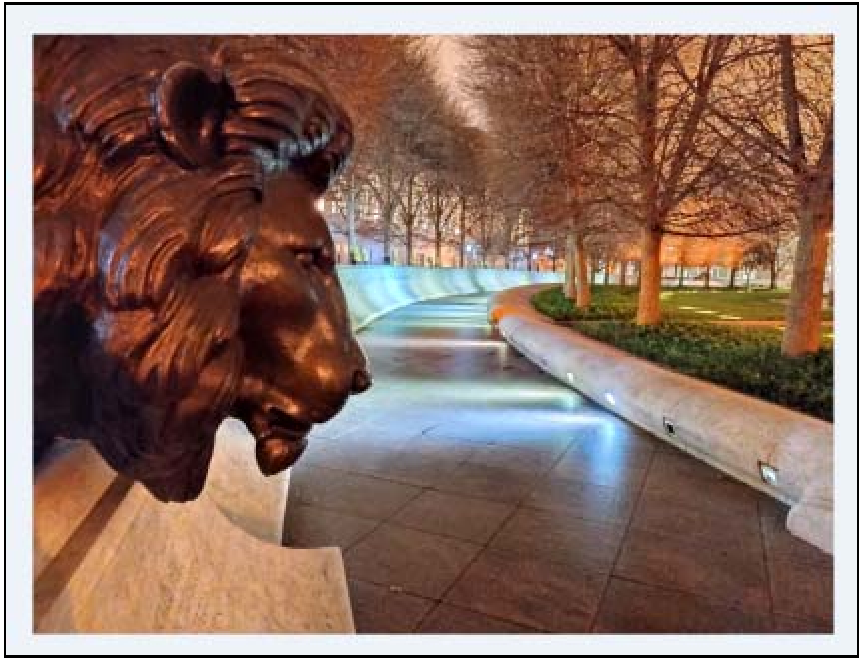


TABLE 1

Question 35 - Examination Questions

Question 35: What is the US Dollar (USD) amount of the Bitcoin received in the BitPay app on December 13, 2021 at 01:03:25 UTC?

Manufacturer's Expected Response: 9.80 USD

WebCode	Response
23UUZG	9.80
247Q88	9.80 USD
27U7WG	9.80 USD
2MYDBJ	9.80
2U62WX	9.80 USD
3FVNA6	9.80
3KBBPV	9.80
3L3ECB	9.80 USD
3UZ3CN	9.80 USD
3XZD8N	9.80 USD
4PWV2B	9.80 USD
664BM3	Not within laboratory's scope.
6LUAVP	9.80 USD
6TXZGF	9.80 USD
7892QC	9.80 USD
7MNEPN	$9.80
7NFHC4	9.80
7TR7CZ	$50K
7YXY6B	9.80
8DBKAL	9.80 USD
8PT6UJ	9.80
8Z6ED3	$9.80
96CMUW	9.80
96F39J	9.80
9786VY	9.80 USD
97V4FR	9.80 USD
9A7CHG	9.80 USD
9FXJ2P	$9.801
9GPMN6	9.80 USD

TABLE 1

Question 35 - Examination Questions	
WebCode	**Response**
9GR8JK	9.80
9HXAYJ	9.80
9NP7QZ	9.80 USD
9VBVTJ	$9.80
AEE66Z	1
BEDQWX	9.80 USD
BJ8KUY	9.80 USD
BWDJ36	9.80 USD
CKE3TU	$9.80
CMDAJF	9.80 USD
CV7MHE	$100.10
D3UPWH	Not within laboratory's scope
DCYWBH	$9.80
DRCCA8	$9.80
E6RW87	9.80 USD
EG9GR3	9.80 USD ($)
ET2Z8T	9.80
F6WE64	9.8 USD
GQ67MU	9.80
GVJ24Q	9.80 USD
GZABDP	$95.80
HFL6MD	9.80 USD
HPTRTT	9.80
J9KCUA	$9.80
JDCGME	9.80 USD
KHNMYE	$9.80
L8H99X	9.80USD
LAK8JQ	9.80 USD
MRLBLT	9.80
N3ECEN	1,250.23 USD
P627WA	9.80 USD
PT4ATM	9.80 USD
QJBJKK	9.80

TABLE 1

Question 35 - Examination Questions

WebCode	Response
QP77KZ	9.80 USD
QTKQLU	9.80 USD
QUUVYJ	9.80 USD
RG3NEM	9.80 USD
RLG2JG	
RY67PR	
TKK6AD	9.80 USD
UYXZ3E	
VBWUKW	9.80 USD
VNVZ3F	9.80 USD
W9FEZ2	9.80 USD
WA93JW	-
WFWWCN	9.80 USD
WTJ2JK	9.80 USD (0.0002BTC)
WUBZXH	9.80 USD
X9T8AA	9.80 USD
XFRPTT	9.80 USD
XRL7HU	9.80
XTDA69	$9.80
YKZEML	9.80
Z9P8ME	9.80 USD
ZDWN3V	9.80

Question 35: What is the US Dollar (USD) amount of the Bitcoin received in the BitPay app on December 13, 2021 at 01:03:25 UTC?

Consensus Result: 9.80 USD

Expected Response Explanation:

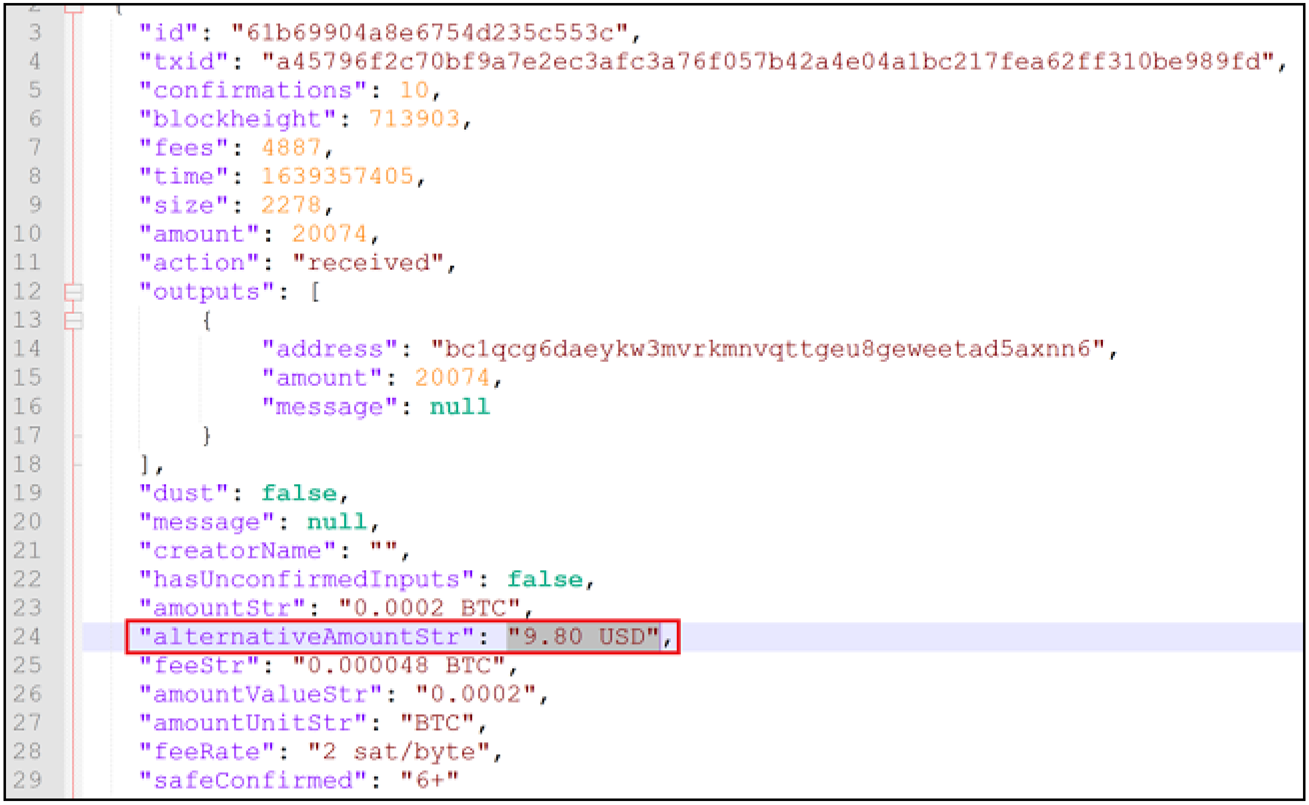
BitPay transactions are stored in /data/data/com.bitpay.wallet/files/txsHistory files. There is only one history file with content. The time value for this transaction, 1639357405, is stored as a UNIX timestamp, a 32-bit value representing the number of seconds since January 1, 1970 UTC (the UNIX epoch). This value decodes to December 13, 2021, 01:03:25 UTC. The corresponding transaction information shows a receipt of 0.0002 BTC or 9.80 USD.

TABLE 1

Question 35 - Examination Questions

Expected Response Illustration:

txsHistory-e06da7ec-4f32-4b31-9f85-f8c11e08e513



```
  {
    "id": "61b69904a8e6754d235c553c",
    "txid": "a45796f2c70bf9a7e2ec3afc3a76f057b42a4e04a1bc217fea62ff310be989fd",
    "confirmations": 10,
    "blockheight": 713903,
    "fees": 4887,
    "time": 1639357405,
    "size": 2278,
    "amount": 20074,
    "action": "received",
    "outputs": [
        {
            "address": "bc1qcg6daeykw3mvrkmnvqttgeu8geweetad5axnn6",
            "amount": 20074,
            "message": null
        }
    ],
    "dust": false,
    "message": null,
    "creatorName": "",
    "hasUnconfirmedInputs": false,
    "amountStr": "0.0002 BTC",
    "alternativeAmountStr": "9.80 USD",
    "feeStr": "0.000048 BTC",
    "amountValueStr": "0.0002",
    "amountUnitStr": "BTC",
    "feeRate": "2 sat/byte",
    "safeConfirmed": "6+"
```

TABLE 1

Question 36 - Examination Questions

Question 36: What is the mnemonic phrase for the BitPay wallet on this device?

Manufacturer's Expected Response: trick orchard tuna panic matrix welcome rely release sudden swap express van

WebCode	Response
23UUZG	trick orchard tuna panic matrix welcome rely release sudden swap express van
247Q88	trick orchard tuna panic matrix welcome rely release sudden swap express van
27U7WG	trick orchard tuna panic matrix welcome rely release sudden swap express van
2MYDBJ	trick orchard tuna panic matrix welcome rely release sudden swap express van
2U62WX	trick orchard tuna panic matrix welcome rely release sudden swap express van
3FVNA6	trick orchard tuna panic matrix welcome rely release sudden swap express van
3KBBPV	trick orchard tuna panic matrix welcome rely release sudden swap express van
3L3ECB	trick orchard tuna panic matrix welcome rely release sudden swap express van
3UZ3CN	trick orchard tuna panic matrix welcome rely release sudden swap express van
3XZD8N	trick orchard tuna panic matrix welcome rely release sudden swap express van
4PWV2B	trick orchard tuna panic matrix welcome rely release sudden swap express van
664BM3	BitPay - Buy Crypto
6LUAVP	trick orchard tuna panic matrix welcome rely release sudden swap express van
6TXZGF	trick orchard tuna panic matrix welcome rely release sudden swap express van
7892QC	trick orchard tuna panic matrix welcome rely release sudden swap express van
7MNEPN	trick orchard tuna panic matrix welcome rely release sudden swap express van
7NFHC4	trick orchard tuna panic matrix welcome rely release sudden swap express van
7TR7CZ	closedBanner_bp2019
7YXY6B	trick orchard tuna panic matrix welcome rely release sudden swap express van
8DBKAL	trick orchard tuna panic matrix welcome rely release sudden swap express van
8PT6UJ	trick orchard tuna panic matrix welcome rely release sudden swap express van
8Z6ED3	trick orchard tuna panic matrix welcome rely release sudden swap express van
96CMUW	trick orchard tuna panic matrix welcome rely release sudden swap express van
96F39J	trick orchard tuna panic matrix welcome rely release sudden swap express van
9786VY	trick orchard tuna panic matrix welcome rely release sudden swap express van
97V4FR	trick orchard tuna panic matrix welcome rely release sudden swap express van
9A7CHG	mnemonic : String = trick orchard tuna panic matrix welcome rely release sudden swap express van
9FXJ2P	orchard tuna panic matrix welcome rely release sudden swap express
9GPMN6	trick orchard tuna panic matrix welcome rely release sudden swap express van
9GR8JK	trick orchard tuna panic matrix welcome rely release sudden swap express van

TABLE 1

Question 36 - Examination Questions	
WebCode	**Response**
9HXAYJ	trick orchard tuna panic matrix welcome rely release sudden swap express van
9NP7QZ	trick orchard tuna panic matrix welcome rely release sudden swap express van"
9VBVTJ	trick orchard tuna panic matrix welcome rely release sudden swap express van
AEE66Z	'WAP_PUSH_SI!'
BEDQWX	trick orchard tuna panic matrix welcome rely release sudden swap express van
BJ8KUY	trick orchard tuna panic matrix welcome rely release sudden swap express van
BWDJ36	trick orchard tuna panic matrix welcome rely release sudden swap express van
CKE3TU	trick orchard tuna panic matrix welcome rely release sudden swap express van
CMDAJF	trick orchard tuna panic matrix welcome rely release sudden swap express van
CV7MHE	trick orchard tuna panic matrix welcome rely release sudden swap express
D3UPWH	Not within laboratory's scope
DCYWBH	trick orchard tuna panic matrix welcome rely release sudden swap express van
DRCCA8	trick orchard tuna panic matrix welcome rely release sudden swap express van
E6RW87	trick orchard tuna panic matrix welcome rely release sudden swap express van
EG9GR3	Unknown
ET2Z8T	trick orchard tuna panic matrix welcome rely release sudden swap express van
F6WE64	trick orchard tuna panic matrix welcome rely release sudden swap express van
GQ67MU	trick orchard tuna panic matrix welcome rely release sudden swap express van
GVJ24Q	trick orchard tuna panic matrix welcome rely release sudden swap express van
GZABDP	very secret passphrase
HFL6MD	trick orchard tuna panic matrix welcome rely release sudden swap express van
HPTRTT	trick orchard tuna panic matrix welcome rely release sudden swap express van
J9KCUA	trick orchard tuna panic matrix welcome rely release sudden swap express van
JDCGME	trick orchard tuna panic matrix welcome rely release sudden swap express van
KHNMYE	trick orchard tuna panic matrix welcome rely release sudden swap express van
L8H99X	trick orchard tuna panic matrix welcome rely release sudden swap express van
LAK8JQ	trick orchard tuna panic matrix welcome rely release sudden swap express van
MRLBLT	trick orchard tuna panic matrix welcome rely release sudden swap express van
N3ECEN	
P627WA	trick orchard tuna panic matrix welcome rely release sudden swap express van
PT4ATM	trick orchard tuna panic matrix welcome rely release sudden swap express van
QJBJKK	trick orchard tuna panic matrix welcome rely release sudden swap express van
QP77KZ	trick orchard tuna panic matrix welcome rely release sudden swap express van

TABLE 1

Question 36 - Examination Questions

WebCode	Response
QTKQLU	trick orchard tuna panic matrix welcome rely release sudden swap express van
QUUVYJ	trick orchard tuna panic matrix welcome rely release sudden swap express van
RG3NEM	trick orchard tuna panic matrix welcome rely release sudden swap express va
RLG2JG	
RY67PR	trick orchard tuna panic matrix welcome rely release sudden swap express van
TKK6AD	trick orchard tuna panic matrix welcome rely release sudden swap express van
UYXZ3E	PrRmaq1kClzw-FDlXB2f0g
VBWUKW	trick orchard tuna panic matrix welcome rely release sudden swap express van
VNVZ3F	trick orchard tuna panic matrix welcome rely release sudden swap express van
W9FEZ2	trick orchard tuna panic matrix welcome rely release sudden swap express van
WA93JW	-
WFWWCN	trick orchard tuna panic matrix welcome rely release sudden swap express van
WTJ2JK	trick orchard tuna panic matrix welcome rely release sudden swap express van
WUBZXH	trick orchard tuna panic matrix welcome rely release sudden swap express va
X9T8AA	trick orchard tuna panic matrix welcome rely release sudden swap express van
XFRPTT	trick orchard tuna panic matrix welcome rely release sudden swap express van
XRL7HU	trick orchard tuna panic matrix welcome rely release sudden swap express van
XTDA69	trick orchard tuna panic matrix welcome rely release sudden swap express van
YKZEML	trick orchard tuna panic matrix welcome rely release sudden swap express van
Z9P8ME	trick orchard tuna panic matrix welcome rely release sudden swap express van
ZDWN3V	trick orchard tuna panic matrix welcome rely release sudden swap express van

Question 36: What is the mnemonic phrase for the BitPay wallet on this device?

Consensus Result: trick orchard tuna panic matrix welcome rely release sudden swap express van

Expected Response Explanation:

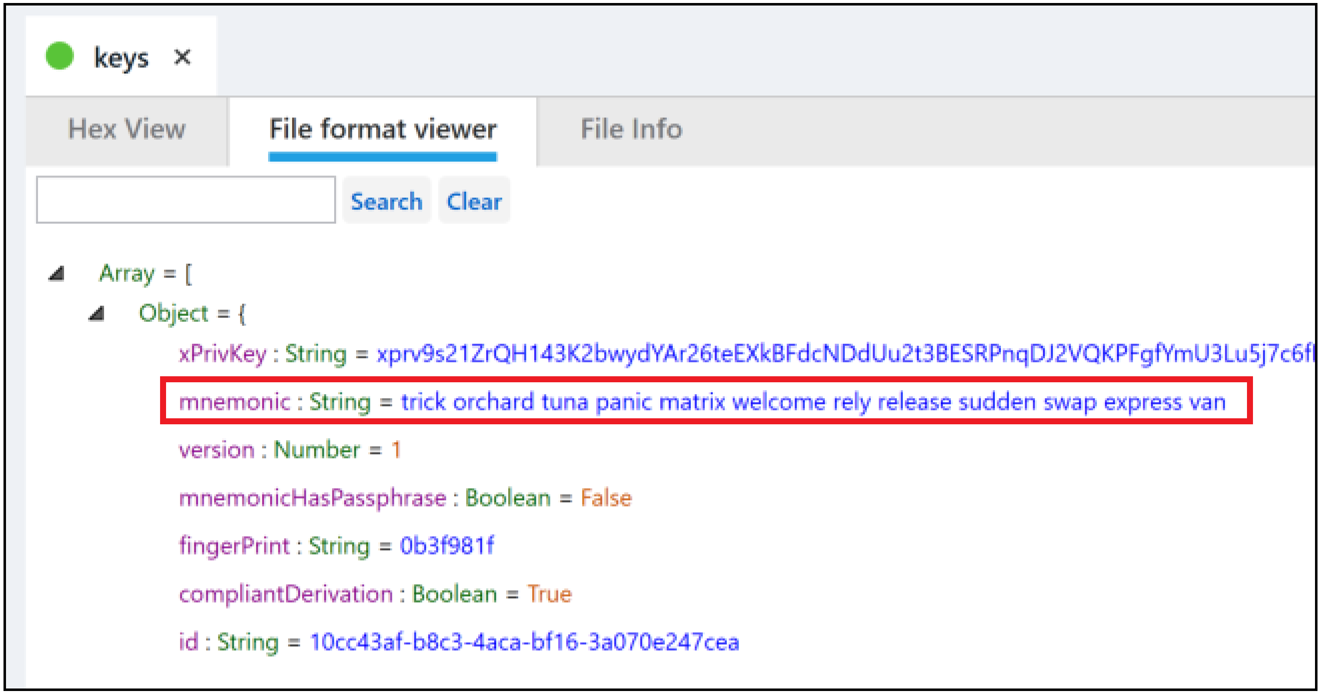
BitPay wallet keys are stored in /data/data/com.bitpay.wallet/files/keys.

TABLE 1

Question 36 - Examination Questions

Expected Response Illustration:

bitpay keys file



```
◢ Array = [
   ◢ Object = {
        xPrivKey : String = xprv9s21ZrQH143K2bwydYAr26teEXkBFdcNDdUu2t3BESRPnqDJ2VQKPFgfYmU3Lu5j7c6f
        mnemonic : String = trick orchard tuna panic matrix welcome rely release sudden swap express van
        version : Number = 1
        mnemonicHasPassphrase : Boolean = False
        fingerPrint : String = 0b3f981f
        compliantDerivation : Boolean = True
        id : String = 10cc43af-b8c3-4aca-bf16-3a070e247cea
```

TABLE 1

Question 37 - Examination Questions

Question 37: Provide the name of the printer the user accessed with this phone on January 8, 2022 at 9:55:31 PM(UTC+0) ?

Manufacturer's Expected Response: DIRECT-0C-HP ENVY 4520 series

WebCode	Response
23UUZG	DIRECT-0C-HP ENVY 4520 series
247Q88	DIRECT-0C-HP ENVY 4520 series
27U7WG	DIRECT-0C-HP ENVY 4520 series
2MYDBJ	DIRECT-0C-HP ENVY 4520 series
2U62WX	DIRECT-0C-HP ENVY 4520 series
3FVNA6	DIRECT-0C-HP ENVY 4520 series
3KBBPV	DIRECT-0C-HP ENVY 4520 series
3L3ECB	DIRECT-0C-HP ENVY 4520 series
3UZ3CN	DIRECT-0C-HP ENVY 4520 series
3XZD8N	DIRECT-0C-HP ENVY 4520 series
4PWV2B	DIRECT-0C-HP ENVY 4520 series
664BM3	HP
6LUAVP	DIRECT-0C-HP ENVY 4520 series
6TXZGF	DIRECT-0C-HP ENVY 4520 series
7892QC	DIRECT-0C-HP ENVY 4520 series
7MNEPN	Direct-0C-HP ENVY 4520 series
7NFHC4	DIRECT-0C-HP ENVY 4520 series
7TR7CZ	HP ENVY 4520 Series
7YXY6B	DIRECT-0C-HP ENVY 4520 series
8DBKAL	Direct-0C-HP Envy 4250 Series
8PT6UJ	DIRECT-0C-HP ENVY 4520 series
8Z6ED3	DIRECT-0C-HP ENVY 4520 series
96CMUW	DIRECT-0C-HP ENVY 4520 series
96F39J	DIRECT-0C-HP ENVY 4520 series
9786VY	DIRECT-0C-HP ENVY 4520 series
97V4FR	DIRECT-0C-HP ENVY 4520 series
9A7CHG	printer name="DIRECT-0C-HP ENVY 4520 series
9FXJ2P	DIRECT-0C-HP ENVY 4520 series
9GPMN6	DIRECT-0C-HP ENVY 4520 series

TABLE 1

Question 37 - Examination Questions

WebCode	Response
9GR8JK	DIRECT-0C-HP ENVY 4520 series
9HXAYJ	DIRECT-0C-HP ENVY 4520 series
9NP7QZ	DIRECT-0C-HP ENVY 4520 series
9VBVTJ	DIRECT-0C-HP ENVY 4520 series
AEE66Z	DIRECT-0C-HP ENVY 4520 series
BEDQWX	DIRECT-0C-HP Envy 4520 series
BJ8KUY	DIRECT-0C-HP ENVY 4520 series
BWDJ36	The specific date and time of January 8, 2022 at 9:55:31 PM (UTC+0) could not be located. A printer was found within the printspooler data, an HP Envy 4520 series. This printer name was found in the text file “printer_history.xml” under com.android.printspooler.
CKE3TU	DRIECT-OC-HP ENVY 4520 series
CMDAJF	DIRECT-0C-HP ENVY 4520 series
CV7MHE	DIRECT-0C-HP ENVY 4520 series
D3UPWH	Not within laboratory's scope
DCYWBH	DIRECT-0C-HP ENVY 4520 series
DRCCA8	HP ENVY 452
E6RW87	DIRECT-0C-HP ENVY 4520 series
EG9GR3	DIRECT-OC-HP ENVY 4520 Series
ET2Z8T	DIRECT-0C-HP ENVY 4520 series
F6WE64	HP Envy 4520
GQ67MU	DIRECT-0C-HP ENVY 4520 series
GVJ24Q	DIRECT-0C-HP ENVY 4520 series
GZABDP	DIRECT-0C-HP ENVY 4520 series
HFL6MD	DIRECT-0C-HP ENVY 4520 series
HPTRTT	DIRECT-0C-HP ENVY 4520 series
J9KCUA	
JDCGME	DIRECT-0C-HP ENVY 4520 series
KHNMYE	HP ENVY 4520
L8H99X	DIRECT-0C-HP ENVY 4520 series
LAK8JQ	DIRECT-0C-HP ENVY 4520 series
MRLBLT	DIRECT-0C-HP ENVY 4520 series
N3ECEN	DIRECT-0C-HP ENVY 4520 series
P627WA	DIRECT-0C-HP ENVY 4520 series
PT4ATM	HP ENVY 4520 series

TABLE 1

Question 37 - Examination Questions

WebCode	Response
QJBJKK	DIRECT-0C-HP ENVY 4520 series
QP77KZ	DIRECT-0C-HP ENVY 4520 series
QTKQLU	DIRECT-0C-HP ENVY 4520 series
QUUVYJ	DIRECT-0C-HP ENVY 4520 series
RG3NEM	DIRECT-0C-HP ENVY 4520 series
RLG2JG	DIRECT-0C-HP ENVY 4520 series
RY67PR	DIRECT-0C-HP ENVY 4520 series
TKK6AD	DIRECT-0C-HP ENVY 4520 series
UYXZ3E	DIRECT-0C-HP ENVY 4520 series
VBWUKW	DIRECT-0C-HP ENVY 4520 series
VNVZ3F	DIRECT-0C-HP ENVY 4520 series
W9FEZ2	DIRECT-OC-HP ENVY 4520 Series
WA93JW	DIRECT-0C-HP ENVY 4520 series
WFWWCN	DIRECT-0C-HP ENVY 4520 series
WTJ2JK	DIRECT-0C-HP ENVY 4520 series
WUBZXH	DIRECT-0C-HP ENVY 4520 series
X9T8AA	DIRECT-0C-HP ENVY 4520 series
XFRPTT	DIRECT-0C-HP ENVY 4520 series
XRL7HU	DIRECT-0C-HP ENVY 4520 series
XTDA69	DIRECT-0C-HP ENVY 4520 series
YKZEML	DIRECT-0C-HP ENVY 4520 series
Z9P8ME	DIRECT-0C-HP ENVY 4520 series
ZDWN3V	DIRECT-0C-HP ENVY 4520 series

Question 37: Provide the name of the printer the user accessed with this phone on January 8, 2022 at 9:55:31 PM(UTC+0) ?

Consensus Result: DIRECT-0C-HP ENVY 4520 series and variations representing the same information

Expected Response Explanation:

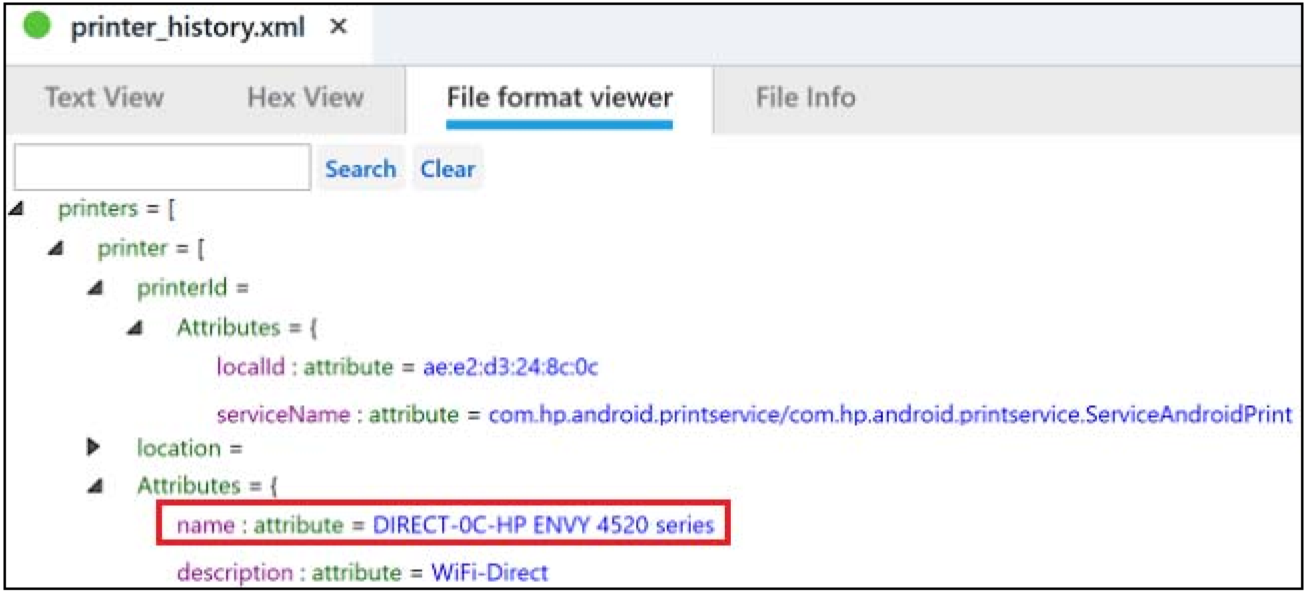
The HP Android Print Service Plugin app was installed on this phone to allow direct WiFi printing from the device. Printer history information for the device is stored in /data/data/com.android.printspooler/files/printer_history.xml. The last modified date of this file is 1/8/2022 9:55:31 PM(UTC+0).

TABLE 1

Question 37 - Examination Questions

Expected Response Illustration:

printer_history.xml



```
◢ printers = [
    ◢ printer = [
        ◢ printerId =
            ◢ Attributes = {
                localId : attribute = ae:e2:d3:24:8c:0c
                serviceName : attribute = com.hp.android.printservice/com.hp.android.printservice.ServiceAndroidPrint
        ▶ location =
        ◢ Attributes = {
            name : attribute = DIRECT-0C-HP ENVY 4520 series
            description : attribute = WiFi-Direct
```

Additional Comments

TABLE 2

WebCode	Additional Comments
3FVNA6	The hash value of provided zip file was checked before beginning examination. The generated hash value matched the provided value.
3L3ECB	This test was solved by 10 expert personnel. [List of names]
6TXZGF	[For question 1, participant reported time of 21:21:04 (-5).]
8PT6UJ	Below are some clarifications of answers provided: 5). What is the set time zone for this phone? Provide answer in the following format: Country/State. America/Chicago (or America/Illinois) There is evidence to support that two time zones have been set on this device at some point. Reference to America/New_York shows up in the gservices.db file, bitpay cache file, and calendar.db entries and cache. America/Chicago is present in the persistent_properties file, netpolicy.xml file, calendar.db cache and metadata. The calendar.db database file contains a CalendarCache table that includes a reference to both timezones. America/New_York is referenced as the “timezoneInstancesPrevious”, and America/Chicago is referenced as the “timezoneInstances”. An attempt to format the answer to fit the question was made by converting America/Chicago to America/Illinois. 13). What is the path, filename, and file extension of the file containing the word Taenioptynx? (e.g., /directory/subdirectory/name.extention) /data/media/0/Download/file.file /data/media/0/Download/u7xbfpdhqf771.jpg When searching for this content in Cellebrite Physical Analyzer using a keyword search across the entire memory range of the device, Cellebrite indicates that the “source” of the keyword hit is “/data/media/0/Download/u7xbfpdhqf771.jpg” and the “more” information regarding the keyword is “/data/media/0/Download/file.file”. Axiom shows this information in the file.file as well.
9A7CHG	Question 2 ask for SHA1 Hash, there are two SHA1 hash types base16 and base32. Question 5 ask for Country/State but appears in the phone as Country/City. Question 13 & 14 has two files that were recovered associated with the term Taenioptynx LG GSM_LM-X420MM K40.zip/data/media/0/Download/u7xbfpdhqf771.jpg LG GSM_LM-X420MM K40.zip/data/media/0/Download/file.file Question 24 has two answers depending on which string you refer to Yoga and Afternoon yoga
9GR8JK	You cannot only use Cellebrite tools to retrieve the answers for this test. Multiple tools had to be used.
9NP7QZ	Question nr 1: the extraction time was 2022. 01. 09. 21:21(UTC-5) but as UTC was not indicated in the question the answer is in UTC+0
D3UPWH	#19 is "Answered and Outgoing" but I only answered "Answered" as that is the status and Outgoing is the direction.
E6RW87	No comment/s at this time.
L8H99X	thanks!!
VNVZ3F	Con respecto a la pregunta 20 se responde según indicaciones del examen, sin embargo en el análisis realizado en el laboratorio y con el software forense no se logra identificar que existan llamadas rechazadas, únicamente se visualizan llamadas de otro tipo. [Requested translation was not provided by the time of report publication.]

TABLE 2

WebCode	Additional Comments
WA93JW	Could not open Google Voice or Google Fitness in Virtual App.
WTJ2JK	For question 1 - answer is provided in UTC -5. Answer would be 10/01/2022 if answer was given in UTC. For question 5 - Timezone put as UTC+0 England, London, however could be different locations as UTC+0 spans over various countries. Alternate answer for this is USA, Mississippi. For question 20 - Two 'missed' calls from number +17034544839 however no contact information is available for this number. One 'not answered' call from ROSA VEGA however this shows as an outgoing call so does not seem to be 'rejected' as the question asks.
XTDA69	Q2 - The test does not specify SHA1 base16 or base32, both were provided. Q11 - Upon reviewing "Dump\data\misc\bluedroid\bt_config.conf", I located the Bluetooth "VIRUS" with an accessed date and time of 1/9/2022 at 1:43:12 PM according to Magnet Axiom but looking within the config file, the timestamp in Unix (1641691570) then converted to Gregorian Date (1/9/2022 at 1:26:10 PM). It is not clear which timestamp the test is asking for. Q19 - The question asked for the status but the example within the question also stated call direction. Both were provided.

-End of Report-
(Appendix may follow)