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FORENSIC TESTING PROGRAM

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Mobile Digital Evidence - Android Analysis
Test No. 21-5550 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 89 participants and are compiled in the following tables:

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 an LG Android 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 September and December 2020. An LG K40 LM-X420 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 to ensure the expected results could be achieved. Results from the predistribution laboratories were reviewed and certain questions were rephrased as necessary.

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, Gordon Jamerson, is the victim of financial fraud. A recent retiree, Gordon set up an Instagram account to share vacation photos with his friends, family, and grandchildren. Shortly after creating his Instagram account, Gordon received an unsolicited direct message from “Samantha”, whose account has a profile photo of an attractive woman. Samantha complimented Gordon’s photos and engaged him in conversation, asking about his travels and expressing interest in his career. Gordon continues the conversation and he and Samantha begin talking about work and family. Samantha tells Gordon she is an account manager with a firm that specializes in binary trading options. After some additional conversation Samantha explains she is looking for investors to buy into a program with very high returns and very low, almost no, risk. Gordon is interested and asks how he could participate in this investment. Samantha explains the process and tells Gordon to send her money via Western Union. As time passes, Samantha solicits greater and greater payments and investments, in the form of money orders, cash in the mail, and finally a wire transfer. After several weeks Gordon becomes suspicious when Samantha is unable to allow him to cash out his alleged earnings and goes to the police for help.

Manufacturer's Information, continued

Question	Manufacturer's Expected Response
1	What was the START date and time of the phone extraction? Provide the answer in the time zone set for the device using the following format: Month DD, YYYY HH:MM AM/PM. *December 09, 2020 06:34 PM*
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 94E9A722C1C8A94523D3CF61E0B9FF824DFD7B3CA192200E03A6B7FBF5F0FD96. Provide the SHA1 HASH for this file (LG GSM_LM-X420MM K40.zip). *70BF1C06546185A28B3CF67762CC8FF561D1D854*
3	What method/type of extraction was performed? *Filesystem, or Full Filesystem, or File System [Android ADB], or Qualcomm Live (Recommended)* *Filesystem*
4	What is the version of extraction software used? *7.38.0.12*
5	The phone had service with what mobile service provider (wireless carrier)? *T-Mobile*
6	What is the make and model name/number of this phone (e.g. Apple iPhone 4c, Samsung S20)? *LG GSM LM-X420MM K40 and variations representing the same information*
7	What is the version of the operating system on this phone? *9 or Android 9*
8	What is the set time zone for this phone? Provide answer exactly as shown by the device. *America/New_York*
9	What is the ICCID number (with service) assigned to this phone? *8901260053914615047*
10	Provide the Device Phone Number (MSISDN). *17036499750*
11	Provide the device owner's full name. *Gordon Jamerson*
12	What is the account name (email address) for this device's backup account? *gordonjamerson9@gmail.com*
13	What is the SSID (name) of the Wi-Fi access point with BSSID (MAC Address) 30:5a:3a:c3:2e:e0 (connected to by this phone)? *Skynet*

Manufacturer's Information, continued

Question	Manufacturer's Expected Response
14	What is the password (Pre-Shared Key) for the Wi-Fi access point with SSID RCMP Surveillance Moose? *nopassword@$*
15	What is the name of the Bluetooth device with MAC Address 91:56:e0:b3:95:b0? *OontZ Angle 3 5B0*
16	For the bluetooth device referenced in Question 15: What is the date and time of the record timestamp? Provide the answer as 24Hr UTC time in the following format: Month DD, YYYY HH:MM (UTC + 0). *December 07, 2020 01:04 (UTC+0)*
17	What encrypted email app did the user install? (Note: this means email application, not secure messaging application) *ProtonMail*
18	What is the version of the user-installed encrypted email app? *1.13.21 and/or 746*
19	The preferences for the user-installed encrypted email app are configured with what logged in username? *gordongordonjamerson or gordongordonjamerson@protonmail.com*
20	What is the path and filename of the file containing the word strigiformes? */data/user_de/0/com.lge.ime/files/udb.bin*
21	After listening to the voicemail message stored on the phone, what is the answer to this question (question 21)? *42*
22	How many unique UNREAD SMS messages are on the phone? *26*
23	Provide the content (text) of the SMS message SENT on 11/2/2020 at 1:36 PM UTC+0 ? *Good morning!! How are you?*
24	What email address is associated with the contact with the phone number (312) 747-4300? *therealmarkeymarc@mail.com*
25	What status does the call log database show for the call on 12/1/2020 at 3:27:02? (Choose from the following: Answered, Outgoing, Missed, Voicemail, Rejected, Blocked, WiFi) *Rejected*
26	What phone number called the phone on December 1, 2020 at 1:52:15 PM UTC? *+18032129631*

Manufacturer's Information, continued

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

27 What was the time duration of the (answered) call to "Thomas Wolf" on November 30, 2020?

00:00:49 or 49 seconds

28 What was the date and time of the LAST answered incoming call? Provide the answer in UTC using the following format: MM/DD/YYYY HH:MM AM/PM (UTC+0).

12/04/2020 03:21 PM (UTC+0)

29 What is the user's Instagram account username?

jamersongordon

30 What cryptocurrency related app(s) did the user install?

BitPay, and BRD or Bread Wallet and variations of this response

31 Describe the content of the file with MD5 Hash a5c245f0e727ff0add7d286f1c104be0.

Reference to a cat (kitten) licking spoon and variations of this description

32 Based on the content of the file with modified time of 12/08/2020 20:41:36 EST, provide the destination that the user LAST saved directions for?

Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166

33 On what date and time did the user create a note containing "quaesitum"? Provide the answer in UTC using the following format: MM/DD/YYYY HH:MM AM/PM (UTC+0).

11/10/2020 01:17 AM (UTC+0)

34 At what altitude/elevation (in meters above sea level) was the photo with MD5 hash ee504a83bd1a34c0372b76f3ef345b42 taken?

114

35 Provide the text visible in the image (photo) taken near Latitude: 38.207969 / Longitude: -78.384888.

"SHEETZ ice" or "Fresh Food made to order"

36 What website (URL or title) did the user visit on 12/7/2020 at 1:11:44 AM(UTC+0)?

youtube.com or Rick Astley - Never Gonna Give You Up and variations of these responses

37** For what application / account is there a token configured in the Authy 2-factor authenticator app?

LastPass

38 For what account / service did the user receive account confirmation / welcome emails on November 7, 2020.

Facebook

39 What is the full name of the contact who has a close-up picture of a cat's face for their profile photo?

Jim Handsome

Manufacturer's Information, continued

Question	*Manufacturer's Expected Response*
40	What size and kind of beverage (other than a milkshake) did the user order at Chick-fil-A on December 8, 2020? *Large Chick-fil-A® Diet Lemonade and variations representing the same information*
41	From what Starbucks store (number) did the user make a purchase on November 7, 2020? (Provide store number only) *10622*

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.

Of the 41 total questions, one question (#37) did not reach a consensus response. This question asked for the application/account that there is a token configured in the Authy 2-factor authenticator app. The majority (62.5%) of participants did report the expected response of "LastPass" however, there were 15 participants that reported the Twilio Authy app and 11 that reported Gordanjamerson9@gmail.com which was the username for the LastPass account. For question #19, where participants were asked "The preferences for the user-installed encrypted email app are configured with what logged in username?", 17 participants (19%) reported one of the following similar inconsistent responses: gordonjamerson9@gmail.com, gordanjamerson9 or gordonsamerson9. For question #9, where participants were asked for the ICCID number (with service) that was assigned to the phone, 14 (16%) reported the ICCID number that did not have service and four other participants reported both the expected ICCID number (with service) and the ICCID number without service. For seven questions, all participants reported the expected response.

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: What was the START date and time of the phone extraction? Provide the answer in the time zone set for the device using the following format: Month DD, YYYY HH:MM AM/PM.

Manufacturer's Expected Response: December 09, 2020 06:34 PM

WebCode	Response
2MC97B	Dec 09, 2020 06:34:34 PM(UTC-5)
2QFHGZ	Dec 09, 2020 06:34:34 PM
2V7RQX	December 09, 2020 06:34 PM
3LETCX	December 09, 2020 18:34 PM
44E4VU	December 09, 2020 06:34 PM
4K3EHW	12 09, 2020 06:34 PM
4NRJQK	Requested Format: December 09, 2020 18:34 PM (UTC-5) (Timestamp as shown within extraction: 09/12/2020 18:34:34(UTC-5)
4TG3JQ	12/09/2020 06:34PM (UTC-5)
6GX8GW	December 09, 2020 06:34 PM
6U42BU	12 09, 2020 6:34 PM (UTC-5)
7JBXVH	September 12, 2020 1:34 PM
7JJCQE	12/9/2020 6:34 PM
8B2ZBT	December 09, 2020 11:34 PM
8NQZ3V	09/12/2020 18:34:34 (-5)
9C78QQ	December 09, 2020 01:34 PM
9HHYJC	December 09, 2020 06:34 PM
B3F9DQ	12/09/2020 18:34 PM
B8BZLM	12/9/2020 18:34(UTC-5)
BEBE9A	December 09, 2020 6:34:34 PM
BH92XQ	December 09, 2020 06:34 PM (UTC-5)
BPQALN	December 09, 2020 06:34 PM
BTU67Q	December 09, 2020 23:34 PM
BUL4JP	December 09, 2020 06:34 PM (UTC-05)
BUZM4L	December 9, 2020 06:34 PM (UTC -5)
BVTL28	December 09, 2020 18:34:34 PM (UTC-5)
C79P3P	December 09, 2020 06:34 PM

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 1 - Examination Questions	
WebCode	**Response**
CBPXQN	December 09, 2020 06:34 PM
CMW3GG	December 09, 2020 06:34 PM
CNYNEH	December 09, 2020 06:34 PM
CQKEFM	December 09, 2020 06:34 PM
DENLTG	December 09, 2020 06:34 PM
E3NJJK	December 09, 2020 06:34:34 PM
E8HDGL	12/09/2020 18:34
EZZ9KE	December 09, 2020 06:34 PM
FF8LEG	December 09 2020 11:34 PM(UTC+0)
FHXMK6	December 09, 2020 6:34 PM
FN2Q9H	December 09, 2020 6:34 PM
G26EZC	Dec 09,2020 11:34 PM.
G64QVC	Dec 09, 2020 01:34 PM
G8R3VH	December 09, 2020 6:34 PM
GMJZWD	December 09, 2020 06:34 PM
J2FXXE	December 09, 2020 06:34 PM
J3QZJD	December 09, 2020 6:34 PM
J6G2P2	December 09, 2020 06:34 PM
J99YP6	December 09, 2020 06:34 PM
JABU6B	December 9, 2020 6:34 PM
JKQQ33	12/9/2020 06:34:34 PM (UTC-5)
LAJR6D	12/9/2020 6:34 PM (UTC-5)
LFPNND	December 09, 2020 06:34 PM
M3XEGX	December 09, 2020 6:34 PM
MDD9UC	December 09, 2020 06:34 PM
MYY3KX	December 9, 2020 06:34 PM
N7XPBC	12 09, 2020 06:34 PM
NKU4B7	dec 09, 2020 18:34;34 (UTC-5)
NZR7X6	December 09, 2020 06:34 PM
P2XZ7A	December 09, 2020 13:34 PM

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 1 - Examination Questions	
WebCode	**Response**
PEMW99	December 09, 2020 06:34 PM
PHLBTC	December 9, 2020 06:34 PM
Q328NT	December 09, 2020 06:34 PM
Q9QRRA	09/12/2020 18:34:34
QCCAAU	December 09, 2020 6:34 PM
QPXBKL	December 09, 2020 18:34 PM (UTC-5)
QR2H68	December 19, 2020 06:34 PM
R9AVZA	December 09, 2020 06:34 PM
RLZJF3	December 09, 2020 6:34 PM (UTC-5)
TBUXQF	December 09, 2020 06:34 PM
TWBK68	12/09/2020 06:34PM (UTC-5)
UGDP88	September 12, 2020 06:34 PM
UU4CNZ	December 09, 2020 06:35 PM
UWP4P6	December 09, 2020 06:34 PM
UWZRKH	December 09, 2020 06:34 PM
UYTY99	12/09/2020 06:34 PM
VCZ8PQ	December 09, 2020 06:34 PM
VMY6B6	December 09, 2020 11:34 PM
VQXF86	December 09, 2020 06:34 PM
VTKXPP	December 09, 2020 06:34 PM
VVNQG3	December 9, 2020 06:34 PM
W4XGJ7	12/19/2020 6:34 PM
W98U26	12 09, 2020 06:34 PM
WPV8FW	December 09, 2020 06:34 PM (UTC-5). (The format HH:MM AM/PM is not a format commonly used in the UK. I have researched how this should look and although it appears the time should not be given in a 24hr format there appears to be no clear guidance to define if the preceding 'hour' zero should be dropped).
XDH8J3	December 09 2020 06:34 pm
XURWW4	12/09/2020 18:43 PM
XV3YH3	December 09, 2020 6:34 PM
Y8QK23	12/09/2020 6:34:34 PM
YCL3NU	9/12/2020 6:34:34 PM(UTC-5)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 1 - Examination Questions	
WebCode	**Response**
YH86LY	December 9, 2020 06:34 PM
Z2GJHK	December 09, 2020 06:34 PM
Z7XNEU	December 09, 2020 06:34 PM
ZNNNZC	Dec 09, 2020 06:34:34 PM(UTC-5)

Question 1: What was the START date and time of the phone extraction? Provide the answer in the time zone set for the device using the following format: Month DD, YYYY HH:MM AM/PM.

Consensus Result: December 09, 2020 06:34 PM and all formatting styles including different time zones which represent the same information.

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

```
ConnectionType=Cable No. 100
Date=09/12/2020 18:34:34 (-5)
Device=LM_X420MM_K40
EndTime=09/12/2020 18:46:09 (-5)
ExtractionNameFromXML=Qualcomm Live (Recommended)
ExtractionType=FileSystem
FullName=LM-X420MM K40
GUID=3007C7C9-7F75-41EA-AEB4-DE671ACFED5B
InternalBuild=7.38.0.12
MachineName=DUXDELL
Model=LM-X420MM K40
UfdVer=1.2
UnitId=153336290
UserName=
Vendor=LG GSM
Version=7.38.0.12
```

Cellebrite Extraction Summary

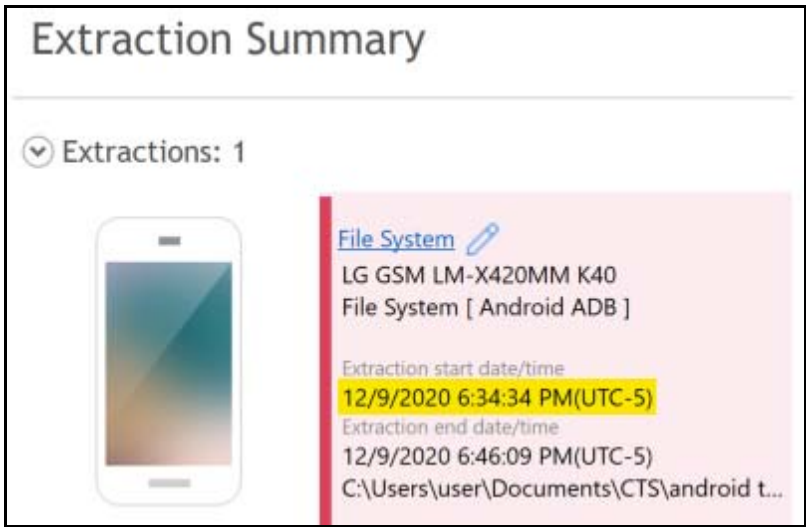


TABLE 1

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 94E9A722C1C8A94523D3CF61E0B9FF824DFD7B3CA192200E03A6B7FBF5F0FD96. Provide the SHA1 HASH for this file (LG GSM_LM-X420MM K40.zip).

Manufacturer's Expected Response: 70BF1C06546185A28B3CF67762CC8FF561D1D854

WebCode	Response
2MC97B	70BF1C06546185A28B3CF67762CC8FF561D1D854
2QFHGZ	70bf1c06546185a28b3cf67762cc8ff561d1d854
2V7RQX	70bf1c06546185a28b3cf67762cc8ff561d1d854
3LETCX	SHA1: 70BF1C06546185A28B3CF67762CC8FF561D1D854
44E4VU	70bf1c06546185a28b3cf67762cc8ff561d1d854
4K3EHW	5E6400C59B92B1789CEA5AB561059EAB83307EAC61DFD168D2315CE5A4A58031
4NRJQK	E600DF67CC8C91A4D641B6F70739769A73F1120A
4TG3JQ	70bf1c06546185a28b3cf67762cc8ff561d1d854
6GX8GW	SHA1 base 32: OC7RYBSUMGC2FCZ46Z3WFTEP6VQ5DWCU SHA1 base 16: 70BF1C06546185A28B3CF67762CC8FF561D1D854 you do not specify if you wanted SHA1 base 16 or 32 so I provided both
6U42BU	70bf1c06546185a28b3cf67762cc8ff561d1d854
7JBXVH	70BF1C06546185A28B3CF67762CC8FF561D1D854
7JJCQE	70bf1c06536185a28b3cf67762cc8ff561d854
8B2ZBT	Sha1 70bf1c06546185a28b3cf67762cc8ff561d1d854
8NQZ3V	70bf1c06546185a28b3cf67762cc8ff561d1d854
9C78QQ	70BF1C06546185A28B3CF67762CC8FF561D1D854
9HHYJC	70bf1c06546185a28b3cf67762cc8ff561d1d854
B3F9DQ	70bf1c06546185a28b3cf67762cc8ff561d1d854
B8BZLM	70bf1c06546185a28b3cf67762cc8ff561d1d854
BEBE9A	70BF1C06546185A28B3CF67762CC8FF561D1D854
BH92XQ	70bf1c06546185a28b3cf67762cc8ff561d1d854
BPQALN	70BF1C06546185A28B3CF67762CC8FF561D1D854
BTU67Q	70bf1c06546185a28b3cf67762cc8ff561d1d854
BUL4JP	70bf1c06546185a28b3cf67762cc8ff561d1d854
BUZM4L	70bf1c06546185a28b3cf67762cc8ff561d1d854
BVTL28	7d2392677698378c2d426622ee356446c938ad38

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 2 - Examination Questions	
WebCode	**Response**
C79P3P	70BF1C06546185A28B3CF67762CC8FF561D1D854
CBPXQN	70bf1c06546185a28b3cf67762cc8ff561d1d854
CMW3GG	70BF1C06546185A28B3CF67762CC8FF561D1D854
CNYNEH	70BF1C06546185A28B3CF67762CC8FF561D1D854
CQKEFM	70bf1c06546185a28b3cf67762cc8ff561d1d854
DENLTG	70BF1C06546185A28B3CF67762CC8FF561D1D854
E3NJJK	70bf1c06546185a28b3cf67762cc8ff561d1d854
E8HDGL	70bf1c06546185a28b3cf67762cc8ff561d1d854
EZZ9KE	70BF1C06546185A28B3CF67762CC8FF561D1D854
FF8LEG	70bf1c06546185a28b3cf67762cc8ff561d1d854
FHXMK6	70BF1C06546185A28B3CF67762CC8FF561D1D854
FN2Q9H	70bf1c06546185a28b3cf67762cc8ff561d1d854
G26EZC	E600DF67CC8C91A4D641B6F70739769A73F1120A
G64QVC	70bf1c06546185a28b3cf67762cc8ff561d1d854
G8R3VH	70bf1c06546185a28b3cf67762cc8ff561d1d854
GMJZWD	70BF1C06546185A28B3CF67762CC8FF561D1D854
J2FXXE	70bf1c06546185a28b3cf67762cc8ff561d1d854
J3QZJD	70BF1C06546185A28B3CF67762CC8FF561D1D854
J6G2P2	70BF1C06546185A28B3CF67762CC8FF561D1D854
J99YP6	70BF1C06546185A28B3CF67762CC8FF561D1D854
JABU6B	70BF1C06546185A28B3CF67762CC8FF561D1D854
JKQQ33	702f1c06546185A28b3cf67762cc8ff561d1d854
LAJR6D	70BF1C06546185A28B3CF67762CC8FF561D1D854
LFPNND	70bf1c06546185a28b3cf67762cc8ff561d1d854
M3XEGX	70BF1C06546185A28B3CF67762CC8FF561D1D854
MDD9UC	SHA1: 70BF1C06546185A28B3CF67762CC8FF561D1D854
MYY3KX	70BF1C06546185A28B3CF67762CC8FF561D1D854
N7XPBC	70BF1C06546185A28B3CF67762CC8FF561D1D854
NKU4B7	70BF1C06546185A28B3CF67762CC8FF561D1D854
NZR7X6	70BF1C06546185A28B3CF67762CC8FF561D1D854

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 2 - Examination Questions	
WebCode	**Response**
P2XZ7A	SHA1: 70bf1c06546185a28b3cf67762cc8ff561d1d854
PEMW99	70bf1c06546185a28b3cf67762cc8ff561d1d854
PHLBTC	70BF1C06546185A28B3CF67762CC8FF561D1D854
Q328NT	70bf1c06546185a28b3cf67762cc8ff561d1d854
Q9QRRA	70BF1C06546185A28B3CF67762CC8FF561D1D854
QCCAAU	70bf1c06546185a28b3cf67762cc8ff561d1d854
QPXBKL	70BF1C06546185A28B3CF67762CC8FF561D1D854
QR2H68	70bf1c06546185a28b3cf67762cc8ff561d1d854
R9AVZA	70BF1C06546185A28B3CF67762CC8FF561D1D854
RLZJF3	70BF1C06546185A28B3CF67762CC8FF561D1D854
TBUXQF	70bf1c06546185a28b3cf67762cc8ff561d1d854
TWBK68	70bf1c06546185a28b3cf67762cc8ff561d1d854
UGDP88	OC7RYBSUMGC2FCZ46Z3WFTEP6VQ5DWCU - SHA1 base32 70BF1C06546185A28B3CF67762CC8FF561D1D854 - SHA1 base16
UU4CNZ	70BF1C06546185A28B3CF67762CC8FF561D1D854
UWP4P6	70BF1C06546185A28B3CF67762CC8FF561D1D854
UWZRKH	70bf1c06546185a28b3cf67762cc8ff561d1d854
UYTY99	SHA-1:70BF1C06546185A28B3CF67762CC8FF561D1D854
VCZ8PQ	70bf1c06546185a28b3cf67762cc8ff561d1d854
VMY6B6	70bf1c06546185a28b3cf67762cc8ff561d1d854
VQXF86	70bf1c06546185a28b3cf67762cc8ff561d1d854
VTKXPP	70BF1C06546185A28B3CF67762CC8FF561D1D854
VVNQG3	70BF1C06546185A28B3CF67762CC8FF561D1D854
W4XGJ7	70BF1606546185AZ8B3CF67762CC8FF561D1D854
W98U26	70BF1C06546185A28B3CF67762CC8FF561D1D854
WPV8FW	70bf1c06546185a28b3cf67762cc8ff561d1d854
XDH8J3	70bf1c06546185a28b3cf67762cc8ff561d1d854
XURWW4	70bf1c06546185a28b3cf67762cc8ff561d1d854
XV3YH3	70bf1c06546185a28b3cf67762cc8ff561d1d854
Y8QK23	70BF1C06546185A28B3CF67762CC8FF561D1D854
YCL3NU	70bf1c06546185a28b3cf67762cc8ff561d1d854

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 2 - Examination Questions	
WebCode	**Response**
YH86LY	70BF1C06546185A28B3CF67762CC8FF561D1D854
Z2GJHK	70BF1C06546185A28B3CF67762CC8FF561D1D854
Z7XNEU	70BF1C06546185A28B3CF67762CC8FF561D1D854
ZNNNZC	70BF1C06546185A28B3CF67762CC8FF561D1D854

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 94E9A722C1C8A94523D3CF61E0B9FF824DFD7B3CA192200E03A6B7FBF5F0FD96. Provide the SHA1 HASH for this file (LG GSM_LM-X420MM K40.zip).

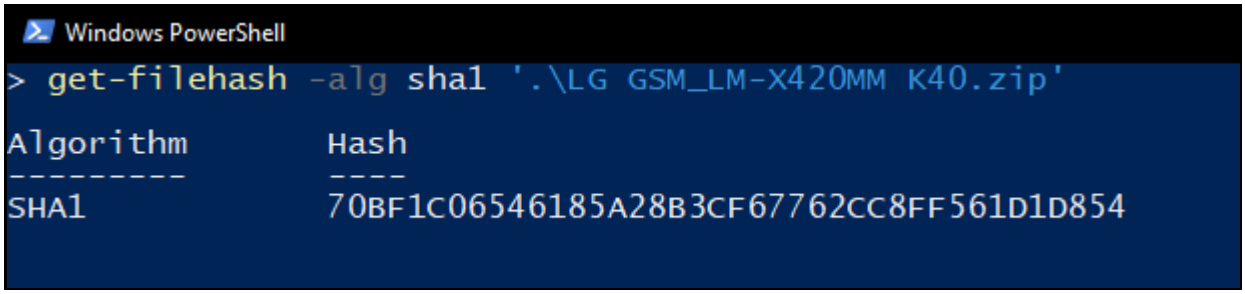
Consensus Result: 70BF1C06546185A28B3CF67762CC8FF561D1D854

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.

Expected Response Illustration:

PowerShell hash calculation of LG GSM_LM-X420MM K40.zip



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

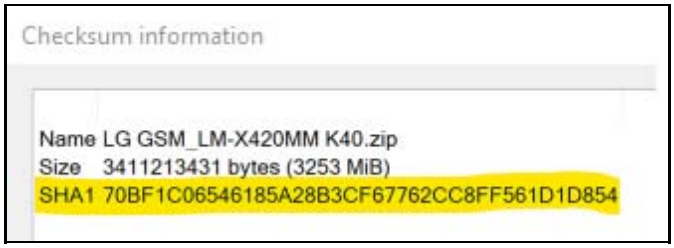


TABLE 1

Question 3 - Examination Questions

Question 3: What method/type of extraction was performed?

Manufacturer's Expected Response: Filesystem, or Full Filesystem, or File System [Android ADB], or Qualcomm Live (Recommended) Filesystem

WebCode	Response
2MC97B	Android ADB
2QFHGZ	File System [Android ADB]
2V7RQX	File System [Andriod ADB] {ANDROID_FS}
3LETCX	A file system was performed (File System [Android ADB])
44E4VU	File System [Android ADB]
4K3EHW	FileSystem (Android ADB)
4NRJQK	File System [Android ADB]
4TG3JQ	File system - Android ADB of the profile LG GSM LM-X420mm K40
6GX8GW	File System
6U42BU	File System [Android ADB]
7JBXVH	File System
7JJCQE	File System (Android ADB)
8B2ZBT	File System Extraction
8NQZ3V	File System [Android ADB]
9C78QQ	File System
9HHYJC	File System
B3F9DQ	File System [Android ADB]
B8BZLM	File System [Android ADB]
BEBE9A	File System [Android ADB]
BH92XQ	File System [Android ADB]
BPQALN	File System (Android ADB)
BTU67Q	File System [Android ADB]
BUL4JP	FileSystem [Android ADB]
BUZM4L	File System
BVTL28	Android ADB
C79P3P	File System
CBPXQN	According to the decoded LG GSM_LM-X420MM K40.ufd file, a File System (Android ADB) was conducted

TABLE 1

Question 3 - Examination Questions	
WebCode	**Response**
CMW3GG	File System Android ADB
CNYNEH	File System [Android ADB]
CQKEFM	File system (Android ADB)
DENLTG	File System [Android ADB]
E3NJJK	File System (Android ADB)
E8HDGL	File System (Android ADB)
EZZ9KE	Android ADB/File System
FF8LEG	File system (Android ADB)
FHXMK6	File System [Android ADB]
FN2Q9H	File System
G26EZC	File System [Android ADB].
G64QVC	ExtractionType=FileSystem / ExtractionMethod=ANDROID_FS
G8R3VH	File System [Android ADB]
GMJZWD	File System (Android ADB)
J2FXXE	File system - Android ADB
J3QZJD	File System [Android ADB]
J6G2P2	File System [Android ADB]
J99YP6	ANDROID_FS / FileSystem (Android ADB)
JABU6B	File System [Android ADB]
JKQQ33	File System [Android ADB]
LAJR6D	File System
LFPNND	File System [Android ADB]
M3XEGX	File System [Android ADB]
MDD9UC	File System [Android ADB]
MYY3KX	File system Android ADB
N7XPBC	File System Android ADB
NKU4B7	FILE SYSTEM (ANDRIOD adb)
NZR7X6	File System (Android ADB)
P2XZ7A	File System [Android ADB]
PEMW99	File System [Android ADB]

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 3 - Examination Questions	
WebCode	**Response**
PHLBTC	File System [Android ADB]
Q328NT	File System
Q9QRRA	Android ADB File system
QCCAAU	File System LG GSM
QPXBKL	File System [Android ADB]
QR2H68	File System(Android ADB)
R9AVZA	Fyle System (Android ADB)
RLZJF3	File System [Android ADB]
TBUXQF	File system
TWBK68	File system [Android ADB]
UGDP88	File System - [Android ADB]
UU4CNZ	File System [Android ADB]
UWP4P6	File System [Android ADB]
UWZRKH	File System [Android ADB]
UYTY99	ANDROID_FS/FileSystem
VCZ8PQ	File System
VMY6B6	File System (Android ADB)
VQXF86	File System/Android ADB
VTKXPP	File System [Android ADB]
VVNQG3	File system
W4XGJ7	FILE SYSTEM
W98U26	Android ADB
WPV8FW	Android ADB File System (more specifically, the option used was Qualcomm Live).
XDH8J3	File System [Android ADB] (LG GSM LM-X420mm K40)
XURWW4	File System [Android ADB]
XV3YH3	File System [Android ADB]
Y8QK23	File System [Android ADB]
YCL3NU	File System [Android ADB]
YH86LY	File System [Android ADB]
Z2GJHK	File System [Android ADB]

TABLE 1

Question 3 - Examination Questions	
WebCode	**Response**
Z7XNEU	File System [Android ADB] / ANDROID_FS
ZNNNZC	Android ADB

Question 3: What method/type of extraction was performed?

Consensus Result: Filesystem, or Full Filesystem, or File System [Android ADB], or Qualcomm Live (Recommended) Filesystem

Expected Response Explanation:

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

Expected Response Illustration:

LG GSM_LM-X420MM K40.ufd

```
ConnectionType=Cable No. 100
Date=09/12/2020 18:34:34 (-5)
Device=LM_X420MM_K40
EndTime=09/12/2020 18:46:09 (-5)
ExtractionNameFromXML=Qualcomm Live (Recommended)
ExtractionType=FileSystem
FullName=LM-X420MM K40
GUID=3007C7C9-7F75-41EA-AEB4-DE671ACFED5B
InternalBuild=7.38.0.12
MachineName=DUXDELL
Model=LM-X420MM K40
UfdVer=1.2
UnitId=153336290
UserName=
Vendor=LG GSM
Version=7.38.0.12
```

Cellebrite Extraction Summary

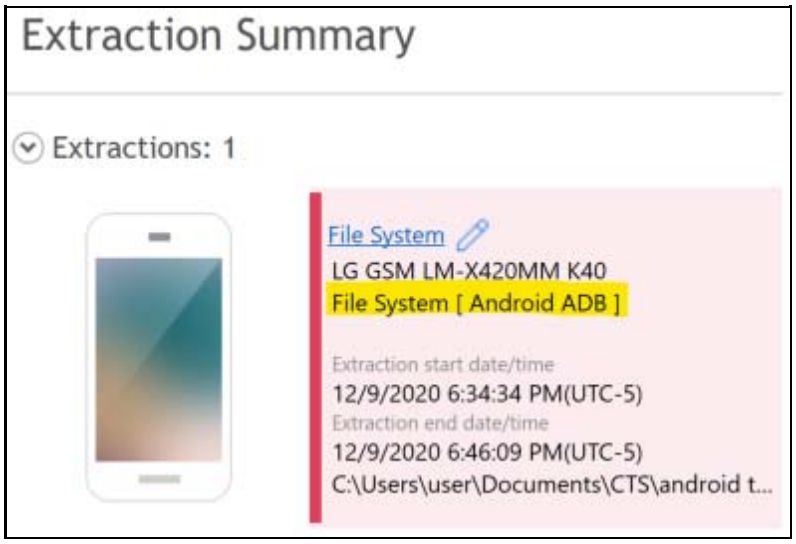


TABLE 1

Question 4 - Examination Questions

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

Manufacturer's Expected Response: 7.38.0.12

WebCode	Response
2MC97B	Cellebrite UFED version 7.38.0.12
2QFHGZ	7.38.0.12
2V7RQX	7.38.0.12
3LETCX	7.38.0.12
44E4VU	7.38.0.12
4K3EHW	7.38.0.12
4NRJQK	7.38.0.12
4TG3JQ	7.38.0.12
6GX8GW	7.38.0.12
6U42BU	UFED version 7.38.0.12
7JBXVH	7.38.0.12
7JJCQE	UFED 7.38.0.12
8B2ZBT	7.38.0.12
8NQZ3V	7.38.0.12
9C78QQ	7.38.0.12
9HHYJC	7.38.0.12
B3F9DQ	7.38.0.12
B8BZLM	UFED v. 7.38.0.12
BEBE9A	7.38.0.12
BH92XQ	UFED version 7.38.0.12
BPQALN	7.38.0.12
BTU67Q	7.38.0.12
BUL4JP	7.38.0.12
BUZM4L	7.38.0.12
BVTL28	7.38.0.12
C79P3P	7.38.0.12
CBPXQN	UFED version 7.38.0.12
CMW3GG	7.38.0.12

TABLE 1

Question 4 - Examination Questions	
WebCode	**Response**
CNYNEH	7.38.0.12
CQKEFM	7.38.0.12
DENLTG	Cellebrite UFED version 7.38.0.12
E3NJJK	7.38.0.12
E8HDGL	7.38.0.12
EZZ9KE	7.42.0.50
FF8LEG	7.38.0.12
FHXMK6	7.38.0.12
FN2Q9H	7.38.0.12
G26EZC	UFED version 7.38.0.12
G64QVC	7.38.0.12
G8R3VH	7.38.0.12
GMJZWD	7.38.0.12
J2FXXE	7.38.0.12
J3QZJD	7.38.0.12
J6G2P2	7.38.0.12
J99YP6	7.38.0.12
JABU6B	7.38.0.12
JKQQ33	7.38.0.12
LAJR6D	7.38.0.12
LFPNND	7.38.0.12
M3XEGX	7.38.0.12
MDD9UC	7.38.0.12
MYY3KX	7.38.0.12
N7XPBC	7.38.0.12
NKU4B7	ufed V 7.38.0.12
NZR7X6	7.38.0.12
P2XZ7A	7.38.0.12
PEMW99	7.38.0.12
PHLBTC	7.38.0.12

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 4 - Examination Questions	
WebCode	**Response**
Q328NT	7.38.0.12
Q9QRRA	7.38.0.12
QCCAAU	7.38.0.12
QPXBKL	7.38.0.12
QR2H68	7.38.0.12
R9AVZA	7.38.0.12
RLZJF3	7.38.0.12
TBUXQF	7.38.0.12
TWBK68	7.38.0.12
UGDP88	7.38.0.12
UU4CNZ	7.38.0.12
UWP4P6	7.38.0.12
UWZRKH	7.38.0.12
UYTY99	Version=7.38.0.12
VCZ8PQ	7.38.0.12
VMY6B6	7.38.0.12
VQXF86	UFED version 7.38.0.12
VTKXPP	7.38.0.12
VVNQG3	7.38.0.12
W4XGJ7	7.38.0.12
W98U26	7.38.0.12
WPV8FW	7.38.0.12.
XDH8J3	UFED4PC: 7.38.0.12
XURWW4	7.38.0.12
XV3YH3	7.38.0.12
Y8QK23	7.38.0.12
YCL3NU	7.38.0.12
YH86LY	7.38.0.12
Z2GJHK	7.38.0.12
Z7XNEU	7.38.0.12

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 4 - Examination Questions	
WebCode	**Response**
ZNNNZC	Cellebrite UFED version 7.38.0.12

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

Consensus Result: 7.38.0.12

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

```
ConnectionType=Cable No. 100
Date=09/12/2020 18:34:34 (-5)
Device=LM_X420MM_K40
EndTime=09/12/2020 18:46:09 (-5)
ExtractionNameFromXML=Qualcomm Live (Recommended)
ExtractionType=FileSystem
FullName=LM-X420MM K40
GUID=3007C7C9-7F75-41EA-AEB4-DE671ACFED5B
InternalBuild=7.38.0.12
MachineName=DUXDELL
Model=LM-X420MM K40
UfdVer=1.2
UnitId=153336290
UserName=
Vendor=LG GSM
Version=7.38.0.12
```

TABLE 1

Question 5 - Examination Questions

Question 5: The phone had service with what mobile service provider (wireless carrier)?

Manufacturer's Expected Response: T-Mobile

WebCode	Response
2MC97B	T-Mobile
2QFHGZ	T-Mobile
2V7RQX	T-Mobile
3LETCX	T-Mobile
44E4VU	T-Mobile
4K3EHW	T-Mobile
4NRJQK	T-Mobile
4TG3JQ	T-Mobile
6GX8GW	T-Mobile
6U42BU	T-Mobile
7JBXVH	T-Mobile
7JJCQE	T-Mobile
8B2ZBT	T-Mobile
8NQZ3V	T-Mobile
9C78QQ	T-Mobile
9HHYJC	T-Mobile
B3F9DQ	T-Mobile
B8BZLM	T-Mobile
BEBE9A	T-Mobile
BH92XQ	Metro by T-Mobile (Metro PCS by T-Mobile)
BPQALN	T-Mobile
BTU67Q	T-Mobile
BUL4JP	T-Mobile
BUZM4L	T-Mobile
BVTL28	T Mobile
C79P3P	T-mobile
CBPXQN	T-Mobile
CMW3GG	T-Mobile

TABLE 1

Question 5 - Examination Questions	
WebCode	**Response**
CNYNEH	T-Mobile
CQKEFM	T-Mobile
DENLTG	T-Mobile
E3NJJK	T-Mobile
E8HDGL	T-Mobile
EZZ9KE	T-Mobile
FF8LEG	T-Mobile
FHXMK6	T-Mobile
FN2Q9H	MetroPCS by T-Mobile
G26EZC	T-mobile.
G64QVC	T-Mobile
G8R3VH	T-Mobile
GMJZWD	T-Mobile
J2FXXE	T-Mobile
J3QZJD	T-Mobile
J6G2P2	T-Mobile
J99YP6	T-Mobile
JABU6B	T-Mobile
JKQQ33	T-Mobile
LAJR6D	T Mobile
LFPNND	T-Mobile
M3XEGX	T-Mobile
MDD9UC	T-Mobile
MYY3KX	T-Mobile
N7XPBC	T-Mobile
NKU4B7	T-MOBILE
NZR7X6	T-Mobile
P2XZ7A	T-Mobile
PEMW99	T-Mobile
PHLBTC	T-Mobile

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 5 - Examination Questions	
WebCode	**Response**
Q328NT	T-Mobile
Q9QRRA	T-Mobile
QCCAAU	T-Mobile
QPXBKL	T-Mobile
QR2H68	T-Mobile
R9AVZA	T-Mobile
RLZJF3	T-Mobile
TBUXQF	T-Mobile
TWBK68	T-Mobile
UGDP88	T-Mobile
UU4CNZ	T-Mobile
UWP4P6	T-Mobile
UWZRKH	T-Mobile
UYTY99	T-Mobile
VCZ8PQ	T-Mobile
VMY6B6	T-Mobile
VQXF86	T-Mobile
VTKXPP	T-Mobile
VVNQG3	T-Mobile
W4XGJ7	T-MOBILE
W98U26	T-Mobile
WPV8FW	T-Mobile
XDH8J3	T-Mobile.
XURWW4	T-Mobile
XV3YH3	T-Mobile
Y8QK23	T-Mobile
YCL3NU	T-Mobile
YH86LY	T-Mobile
Z2GJHK	T-Mobile
Z7XNEU	TMobile

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

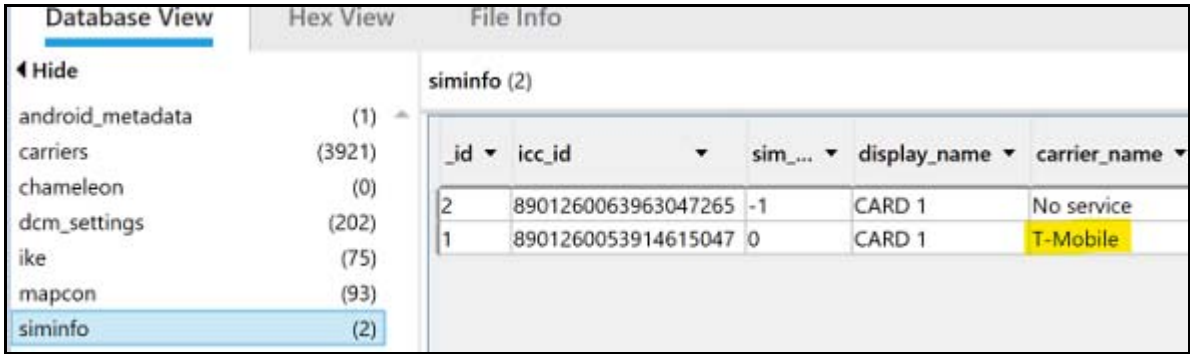
Question 5 - Examination Questions	
WebCode	**Response**
ZNNNZC	metropcs

Question 5: The phone had service with what mobile service provider (wireless carrier)?

Consensus Result: T-Mobile

Expected Response Explanation:
This information is stored in /data/user_de/0/com.android.providers.telephony/databases/telephony.db in the siminfo table.

Expected Response Illustration:
telephony.db



Cellebrite view of device info

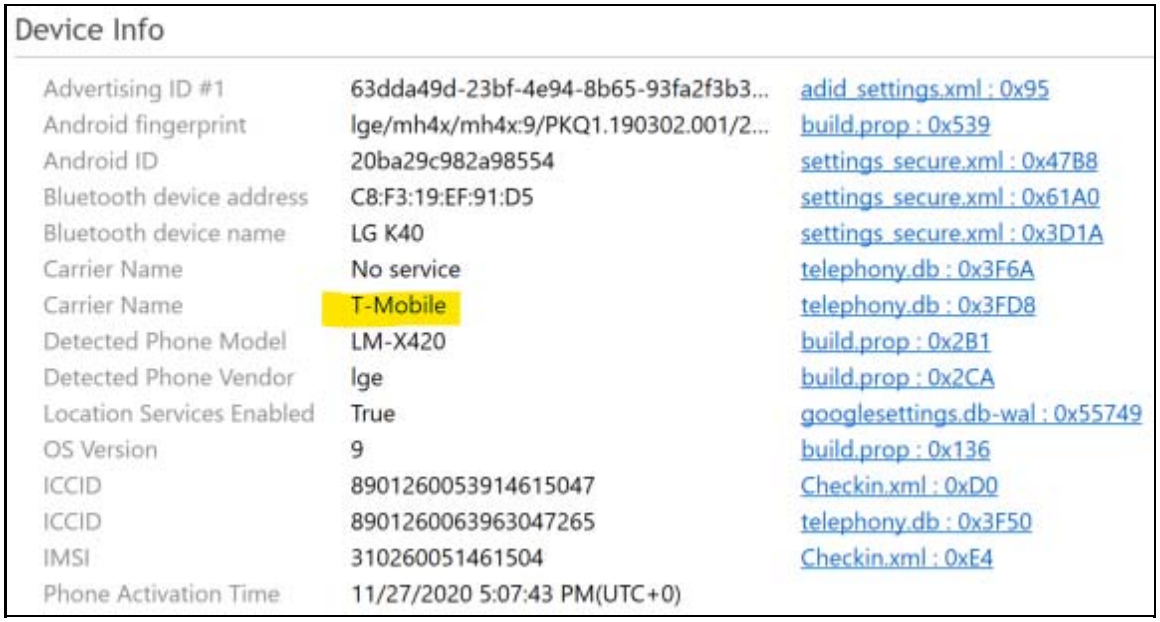


TABLE 1

Question 6 - Examination Questions

Question 6: What is the make and model name/number of this phone (e.g. Apple iPhone 4c, Samsung S20)?

Manufacturer's Expected Response: LG GSM LM-X420MM K40 and variations representing the same information

WebCode	Response
2MC97B	LG X4
2QFHGZ	LG LM-X420
2V7RQX	LG LM-X420
3LETCX	Make: LG K40 Model: LM-X420
44E4VU	LG LM-X420 K40
4K3EHW	LG K40
4NRJQK	LG LM-X420MM K40
4TG3JQ	LG GSM_LM-X420MM K40
6GX8GW	LG K40 - LM-X420 this question is vague as to what you are looking for in reference to which identifier you wanted.
6U42BU	LG K40 (LM-X420MM)
7JBXVH	LG K40
7JJCQE	LG LM-X420
8B2ZBT	LG K40 (LM-X420)
8NQZ3V	Make: LG (Lucky Goldstar) . Model: LM-X420
9C78QQ	LG K40 / LM-X420
9HHYJC	LG K40
B3F9DQ	LG GSM LM-X420MM K40
B8BZLM	LG LM-X420
BEBE9A	LG GSM LM-X420MM K40
BH92XQ	Make: LG (GSM); Model: LM-X420
BPQALN	LG LM-x420
BTU67Q	LG LM-X420
BUL4JP	LG K40
BUZM4L	LG K40 (Model: LM-X420)
BVTL28	LG K40, Model number LM-X420MM
C79P3P	LG K40/LM-X420
CBPXQN	LG K40, LM-X420MM

TABLE 1

Question 6 - Examination Questions	
WebCode	**Response**
CMW3GG	LG LM-X420
CNYNEH	LG LM-X420 K40 (extraction used UFED profile for LG LM-X420MM K40)
CQKEFM	LM-X420MM K40 (LG)
DENLTG	LG LM-X420MM K40
E3NJJK	LG (LGE) LM-X420
E8HDGL	LG LM-X420
EZZ9KE	LG K40/LM-X420
FF8LEG	LG K40 (LM-X420)
FHXMK6	LG K40 (LM-X420)
FN2Q9H	LG K40 (LM-X420MM)
G26EZC	LG GSM LM X420MM K40
G64QVC	LG LM-X420MM K40
G8R3VH	LG LM-X420MM K40
GMJZWD	LG K40 (LM-X420)
J2FXXE	LG K40 (LM-X420)
J3QZJD	Make: lge; Model: LM-X420
J6G2P2	LGE LM-X420
J99YP6	LG K40
JABU6B	LG K40 LM-X420
JKQQ33	LGE LM -X420
LAJR6D	LG LM-X420
LFPNND	LG K40
M3XEGX	LG LM-X420
MDD9UC	LG K40
MYY3KX	LG LM-X420
N7XPBC	LG K40 (SM LM-X420MM)
NKU4B7	LG K40 (lge lm-x420)
NZR7X6	LG K40
P2XZ7A	LG GSM LM-X420MM K40 or simply put LG K40
PEMW99	LG LM-X420

TABLE 1

Question 6 - Examination Questions	
WebCode	**Response**
PHLBTC	LG LM-X420 K40
Q328NT	LG LM-X420
Q9QRRA	LG LM-X420 product name = MH4X
QCCAAU	LG K40
QPXBKL	LG LM-X420
QR2H68	LG K40
R9AVZA	LG K40 / LM-X420MM
RLZJF3	LG GSM LM-X420MM
TBUXQF	LG LM-X420
TWBK68	LGE LM-X420
UGDP88	LG K40 LM-X420
UU4CNZ	LG K40 / LM-X420
UWP4P6	LG / LGE LM-X420MM K40; the make may also be listed as LGE
UWZRKH	LG K40 LM-X420
UYTY99	LG K40
VCZ8PQ	LG K40
VMY6B6	LG LM-X420
VQXF86	Lge LM-X420 (LG K40)
VTKXPP	lge LM-X420
VVNQG3	LG LM-X420MM K40
W4XGJ7	LM-X420
W98U26	LG GSM LM-X420MM K40
WPV8FW	LG-LM-X420 (in some regions, this device is also known as an LG-K40)
XDH8J3	LG K40 (LM-X420MM)
XURWW4	LG K40 LM-X420
XV3YH3	LG K40 / LM-X420
Y8QK23	LG LM-X420MM K40
YCL3NU	LG K40 LM-X420
YH86LY	LG K40
Z2GJHK	LG LM-X420

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

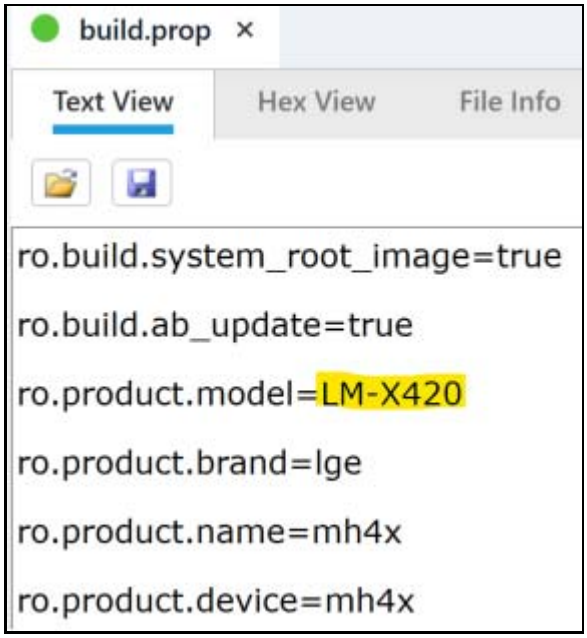
Question 6 - Examination Questions	
WebCode	**Response**
Z7XNEU	LG GSM LM-X420MM K40
ZNNNZC	LG X4

Question 6: What is the make and model name/number of this phone (e.g. Apple iPhone 4c, Samsung S20)?

Consensus Result: LG GSM LM-X420MM K40 and variations representing the same information

Expected Response Explanation:
This information is parsed from /system/build.prop and also stored in the .ufd file by the acquisition tool.

Expected Response Illustration:
build.prop



LG GSM_LM-X420MM K40.ufd

```
ConnectionType=Cable No. 100
Date=09/12/2020 18:34:34 (-5)
Device=LM_X420MM_K40
EndTime=09/12/2020 18:46:09 (-5)
ExtractionNameFromXML=Qualcomm Live (Recommended)
ExtractionType=FileSystem
FullName=LM-X420MM K40
GUID=3007C7C9-7F75-41EA-AEB4-DE671ACFED5B
InternalBuild=7.38.0.12
MachineName=DUXDELL
Model=LM-X420MM K40
UfdVer=1.2
UnitId=153336290
UserName=
Vendor=LG GSM
Version=7.38.0.12
```

TABLE 1

Question 7 - Examination Questions

Question 7: What is the version of the operating system on this phone?

Manufacturer's Expected Response: 9 or Android 9

WebCode	Response
2MC97B	Android 9(Pie)
2QFHGZ	9
2V7RQX	9
3LETCX	OS version 9
44E4VU	9
4K3EHW	Version 9
4NRJQK	9
4TG3JQ	Android v9
6GX8GW	9
6U42BU	Version 9
7JBXVH	9
7JJCQE	9
8B2ZBT	9 (Android version 9)
8NQZ3V	Android 9
9C78QQ	9
9HHYJC	9
B3F9DQ	9
B8BZLM	9
BEBE9A	9
BH92XQ	OS version 9
BPQALN	9
BTU67Q	9
BUL4JP	Android 9
BUZM4L	Android 9
BVTL28	Android 9
C79P3P	9
CBPXQN	OS version 9
CMW3GG	Android 9.0

TABLE 1

Question 7 - Examination Questions	
WebCode	**Response**
CNYNEH	Android 9 (9.0.0)
CQKEFM	OS version 9
DENLTG	9
E3NJJK	9
E8HDGL	9
EZZ9KE	9
FF8LEG	9
FHXMK6	9
FN2Q9H	9
G26EZC	Andriod OS 9
G64QVC	Android 9
G8R3VH	9
GMJZWD	Android OS version 9
J2FXXE	Android 9
J3QZJD	9
J6G2P2	9
J99YP6	Android 9
JABU6B	9
JKQQ33	9
LAJR6D	9
LFPNND	9
M3XEGX	Android 9
MDD9UC	9
MYY3KX	9
N7XPBC	9
NKU4B7	9
NZR7X6	9
P2XZ7A	The OS version is “9”
PEMW99	9
PHLBTC	9

TABLE 1

Question 7 - Examination Questions	
WebCode	**Response**
Q328NT	9
Q9QRRA	9
QCCAAU	9
QPXBKL	9
QR2H68	9
R9AVZA	9
RLZJF3	9
TBUXQF	9
TWBK68	version 9
UGDP88	9
UU4CNZ	9
UWP4P6	9
UWZRKH	9
UYTY99	Android 9.0
VCZ8PQ	9
VMY6B6	9
VQXF86	Android OS version 9
VTKXPP	9
VVNQG3	9
W4XGJ7	9
W98U26	Android 9
WPV8FW	Android 9 (Sometimes known as Pie)
XDH8J3	9
XURWW4	9
XV3YH3	9
Y8QK23	9
YCL3NU	9
YH86LY	9
Z2GJHK	9
Z7XNEU	9

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 7 - Examination Questions	
WebCode	**Response**
ZNNNZC	Android_OS_Version 9

Question 7: What is the version of the operating system on this phone?

Consensus Result: 9 or Android 9

Expected Response Explanation:
This information is found in /system/build.prop.

Expected Response Illustration:
build.prop

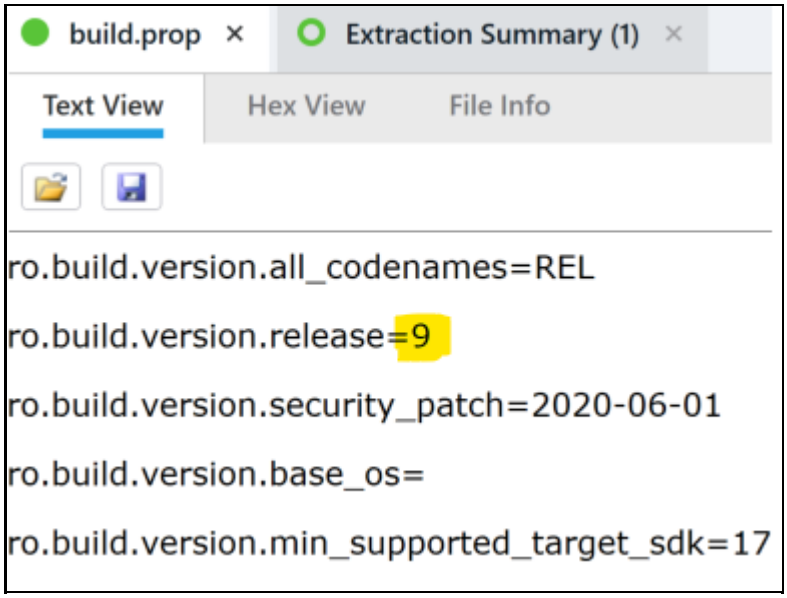


TABLE 1

Question 8 - Examination Questions

Question 8: What is the set time zone for this phone? Provide answer exactly as shown by the device.

Manufacturer's Expected Response: America/New_York

WebCode	Response
2MC97B	timezone : America/New_York(UTC -05:00)
2QFHGZ	(UTC+00:00) UTC
2V7RQX	America/New_York
3LETCX	(UTC-5)
44E4VU	America/New_York
4K3EHW	-05:00 (America/New York)
4NRJQK	(UTC+0)
4TG3JQ	America/New_York (utc-5)
6GX8GW	America/New_York
6U42BU	(UTC+0)
7JBXVH	America/New_York
7JJCQE	America/New_York
8B2ZBT	UTC (UTC+00:00) Abidjan (Africa)
8NQZ3V	-05:00[America/New_York]
9C78QQ	(UTC+0)
9HHYJC	UTC+0
B3F9DQ	UTC-5
B8BZLM	America/New_York
BEBE9A	America/New_York
BH92XQ	America/New_York
BPQALN	America/New_York
BTU67Q	America/New_York
BUL4JP	America/New_York
BUZM4L	America/New_York
BVTL28	UTC (Universal Time Code) -5
C79P3P	America/New_York
CBPXQN	America/New_York
CMW3GG	America/New_York

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 8 - Examination Questions	
WebCode	**Response**
CNYNEH	America/New_York
CQKEFM	America/New_York (-05:00)
DENLTG	America/New_York
E3NJJK	America/New_York
E8HDGL	UTC-5
EZZ9KE	America/New_York
FF8LEG	America/New_York
FHXMK6	UTC -5 (New York)
FN2Q9H	America/New York
G26EZC	UTC +0
G64QVC	America/New_York (UTC -5)
G8R3VH	America/New_York
GMJZWD	UTC+0
J2FXXE	America/New York
J3QZJD	America/New_York
J6G2P2	America/New_York
J99YP6	America/New_York
JABU6B	America/New_York
JKQQ33	American / New York
LAJR6D	(UTC+0)
LFPNND	UTC-5
M3XEGX	Time zone is set automatically by device. Device is currently set to America/New York.
MDD9UC	America/New_York
MYY3KX	[America/New_York]
N7XPBC	UTC+0
NKU4B7	UTC-5 AMERICA/NEW YORK
NZR7X6	America/New_York
P2XZ7A	(UTC-05:00) New_York (America)
PEMW99	America/New_York
PHLBTC	America\/New_York (UTC-5)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 8 - Examination Questions	
WebCode	**Response**
Q328NT	America/New_York
Q9QRRA	EST (UTC -05:00)
QCCAAU	UTC-5
QPXBKL	America/New_York
QR2H68	America/New_York
R9AVZA	UTC+0
RLZJF3	America NY
TBUXQF	America_New York
TWBK68	00:00-05:00[America/New_York] (UTC-5)
UGDP88	America/New_York
UU4CNZ	UTC+0
UWP4P6	America/New_York
UWZRKH	America/New_York
UYTY99	America/New_York
VCZ8PQ	America/New_York
VMY6B6	Original UTC Value
VQXF86	America/New_York
VTKXPP	America/New_York
VVNQG3	UTC+0
W4XGJ7	11/27/2020 5:07 PM (UTC +0)
W98U26	America/New York
WPV8FW	America/New_York
XDH8J3	America/New_York
XURWW4	(UTC+0)
XV3YH3	(UTC +0)
Y8QK23	(UTC+0)
YCL3NU	America/New_York
YH86LY	America/New_York
Z2GJHK	America/New_York
Z7XNEU	America/New_York

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

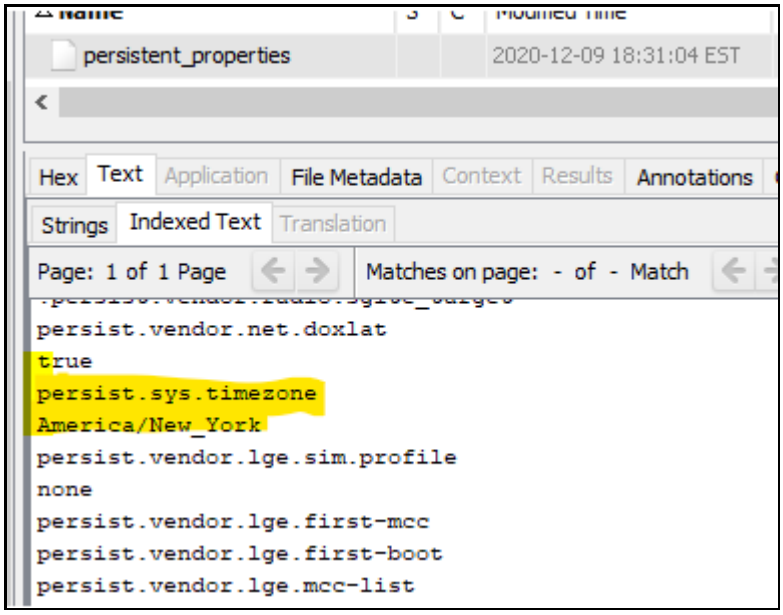
Question 8 - Examination Questions	
WebCode	**Response**
ZNNNZC	America/New_York

Question 8: What is the set time zone for this phone? Provide answer exactly as shown by the device.

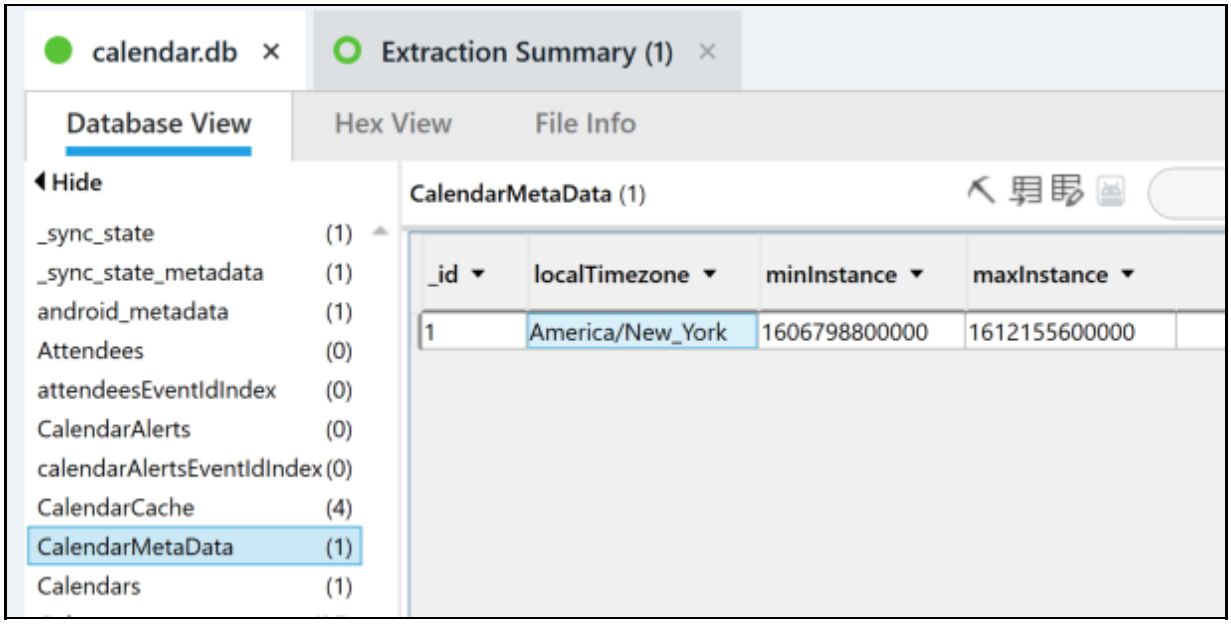
Consensus Result: America/New_York

Expected Response Explanation:
This information is stored in /data/property/persistent_properties and /data/data/com.android.providers.calendar/databases/calendar.db

Expected Response Illustration:
persistent_properties



calendar.db



Other Responses:
Eighteen participants reported "UTC+0" for the time zone set for the phone.

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 9 - Examination Questions

Question 9: What is the ICCID number (with service) assigned to this phone?

Manufacturer's Expected Response: 8901260053914615047

WebCode	Response
2MC97B	8901260053914615047(T-Mobile)
2QFHGZ	8901260053914615047
2V7RQX	8901260053914615047
3LETCX	Service: T-Mobile ICCID: 8901260063963047265
44E4VU	8901260053914615047
4K3EHW	8901260063963047265
4NRJQK	8901260053914615047 and 8901260063963047265
4TG3JQ	8901260053914615047
6GX8GW	8901260053914615047
6U42BU	8901260063963047265
7JBXVH	8901260053914615047
7JJCQE	8901260053914615047
8B2ZBT	8901260063963047265
8NQZ3V	8901260053914615047
9C78QQ	8901260053914615047
9HHYJC	8901260063963047265
B3F9DQ	8901260053914615047
B8BZLM	8901260053914615047
BEBE9A	8901260053914615047 - T-Mobile
BH92XQ	8901260053914615047
BPQALN	8901260053914615047
BTU67Q	8901260063963047265
BUL4JP	8901260053914615047
BUZM4L	8901260053914615047
BVTL28	8901260063963047265
C79P3P	8901260053914615047
CBPXQN	8901260053914615047
CMW3GG	8901260053914615047

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 9 - Examination Questions	
WebCode	**Response**
CNYNEH	8901260053914615047
CQKEFM	8901260053914615047
DENLTG	8901260053914615047
E3NJJK	8901260053914615047
E8HDGL	8901260053914615047
EZZ9KE	8901260063963047265
FF8LEG	8901260053914615047, 8901260063963047265
FHXMK6	8901260053914615047
FN2Q9H	8901260053914615047
G26EZC	8901260053914650000
G64QVC	8901260053914615047
G8R3VH	8901260063963047265
GMJZWD	8901260053914615047
J2FXXE	8901260053914615047
J3QZJD	8901260053914615047
J6G2P2	8901260053914615047
J99YP6	8901260053914615047
JABU6B	8901260053914615047
JKQQ33	8901260053914615047
LAJR6D	8901260063963047265
LFPNND	8901260053914615047
M3XEGX	ICCID 1 = 8901260053914615047 (No Service), ICCID 2 = 8901260063963047265 (T-Mobile)
MDD9UC	8901260053914615047
MYY3KX	8901260053914615047
N7XPBC	8901260053914615047
NKU4B7	8901260053914615047
NZR7X6	8901260053914615047
P2XZ7A	8901260063963047265
PEMW99	8901260053914615047
PHLBTC	8901260053914615047 - T-Mobile

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 9 - Examination Questions	
WebCode	**Response**
Q328NT	8901260053914615047
Q9QRRA	8901260053914615047
QCCAAU	8901260063963047265 T-Mobile
QPXBKL	8901260053914615047 (T-Mobile)
QR2H68	8901260053914615047
R9AVZA	8901260063963047265
RLZJF3	8901260053914615047
TBUXQF	8901260053914615047
TWBK68	8901260053914615047
UGDP88	8901260053914615047
UU4CNZ	8901260053914615047
UWP4P6	8901260053914615047
UWZRKH	8901260053914615047
UYTY99	8901260053914615047
VCZ8PQ	8901260053914615047
VMY6B6	8901260053914615047
VQXF86	8901260053914615047
VTKXPP	8901260053914615047
VVNQG3	8901260053914615047
W4XGJ7	8901260053914615047
W98U26	8901260053914615047
WPV8FW	8901260053914615047
XDH8J3	8901260053914615047
XURWW4	8901260053914615047
XV3YH3	8901260053914615047
Y8QK23	8901260063963047265
YCL3NU	8901260053914615047; 8901260063963047265
YH86LY	8901260053914615047
Z2GJHK	8901260053914615047
Z7XNEU	8901260053914615047

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 9 - Examination Questions	
WebCode	**Response**
ZNNNZC	8901260053914615047

Question 9: What is the ICCID number (with service) assigned to this phone?

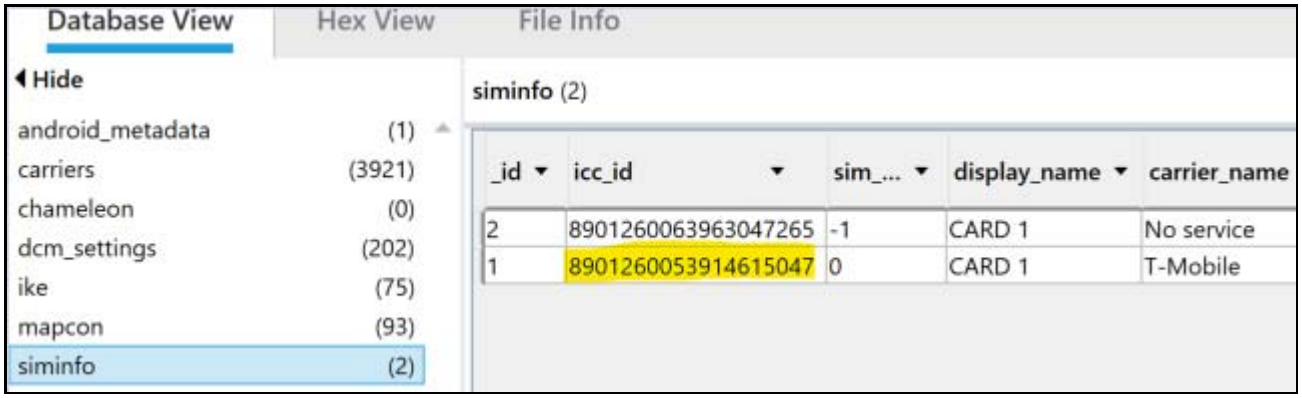
Consensus Result: 8901260053914615047

Expected Response Explanation:

This information is stored /data/data/com.google.android.gms/shared_prefs/Checkin.xml, and /data/user_de/0/com.android.providers.telephony/databases/telephony.db. There are two ICCID records stored on this device; only one has service.

Expected Response Illustration:

telephony.db



Checkin.xml

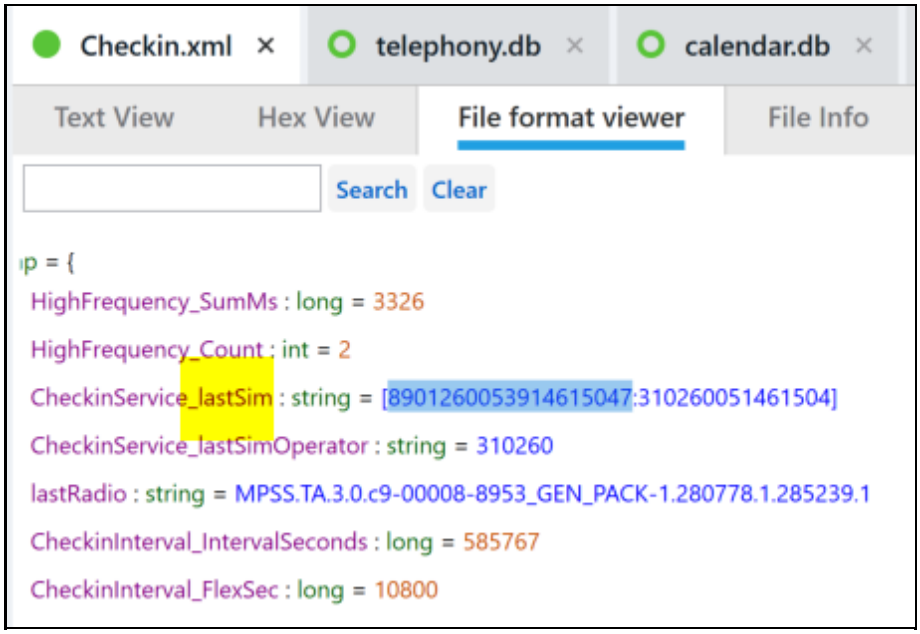


TABLE 1

Question 9 - Examination Questions

Other Responses:

Eighteen participants reported the ICCID number of 8901260063963047265 which did not have service at the time the phone data was acquired. The PA output and report does not make a direct correlation between the listed ICCID numbers and the associated provider(s). To determine which ICCID applies to which carrier the Hex view of the database should be accessed (highlighted below); here it shows a clear association between ICCID numbers and providers.

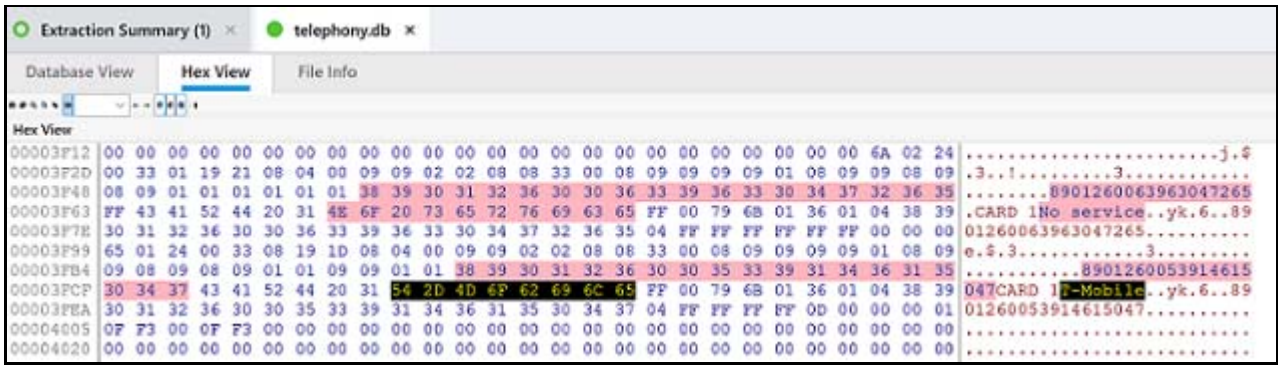


TABLE 1

Question 10 - Examination Questions

Question 10: Provide the Device Phone Number (MSISDN).

Manufacturer's Expected Response: 17036499750

WebCode	Response
2MC97B	+17036499750
2QFHGZ	+17036499750
2V7RQX	17036499750
3LETCX	07036499750
44E4VU	17036499750
4K3EHW	17036499750
4NRJQK	07036499750
4TG3JQ	17036499750
6GX8GW	7036499750
6U42BU	7036499750
7JBXVH	17036499750
7JJCQE	(703) 649-9750
8B2ZBT	+17036499750
8NQZ3V	17036499750
9C78QQ	7036499750
9HHYJC	17036499750
B3F9DQ	07036499750
B8BZLM	7036499750
BEBE9A	7036499750
BH92XQ	17036499750
BPQALN	1 703 649 9750
BTU67Q	17036499750
BUL4JP	17036499750
BUZM4L	7036499750
BVTL28	0703 649-9750
C79P3P	7036499750
CBPXQN	17036499750
CMW3GG	7036499750

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 10 - Examination Questions	
WebCode	**Response**
CNYNEH	7036499750
CQKEFM	703-649-9750
DENLTG	7036499750
E3NJJK	7036499750
E8HDGL	17036499750
EZZ9KE	7036499750
FF8LEG	7036499750
FHXMK6	7036499750
FN2Q9H	17036499750
G26EZC	17036499750
G64QVC	17036499750
G8R3VH	7036499750
GMJZWD	07036499750
J2FXXE	17036499750
J3QZJD	17036499750 The device phone number (MSISDN) was not parsed and no number was listed in the common locations of that information, telephony.db or simcard.dat in this extraction but the number 17036499750 was listed at the path "/data/user_de/0/com.android.server.telecom/phone-account-registrar-state.xml" with the carrier and ICCID with service. The same number was also listed under user accounts such as the Chick-fil-A mobile application, Instagram, WhatsApp, and mms preferences.
J6G2P2	7036499750
J99YP6	17036499750
JABU6B	17036499750
JKQQ33	703-649-97450
LAJR6D	18056377243
LFPNND	+17036499750
M3XEGX	703 649 9750
MDD9UC	7036499750
MYY3KX	7036499750
N7XPBC	07036499750
NKU4B7	17036499750
NZR7X6	1-703-649-9750
P2XZ7A	17036499750

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 10 - Examination Questions	
WebCode	**Response**
PEMW99	18056377243
PHLBTC	17036499750
Q328NT	17036499750
Q9QRRA	17036499750
QCCAAU	17036499750
QPXBKL	17036499750
QR2H68	17036499750
R9AVZA	17036499750
RLZJF3	703-649-9750
TBUXQF	703-649-9750
TWBK68	17036499750
UGDP88	+17036499750
UU4CNZ	17036499750
UWP4P6	7036499750 (703-649-9750)
UWZRKH	703-649-9750
UYTY99	17036499750
VCZ8PQ	7036499750
VMY6B6	703-649-9750
VQXF86	17036499750
VTKXPP	7036499750
VVNQG3	7036499850
W4XGJ7	617106710
W98U26	7036499750
WPV8FW	17036499750 (or +17036499750)
XDH8J3	+17036499750
XURWW4	+17036499750
XV3YH3	+17036499750
Y8QK23	7036499750
YCL3NU	Not available
YH86LY	17036499750

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 10 - Examination Questions	
WebCode	**Response**
Z2GJHK	7036499750
Z7XNEU	17036499750
ZNNNZC	+17036499750

Question 10: Provide the Device Phone Number (MSISDN).

Consensus Result: 17036499750 and other formats of the same information

Expected Response Explanation:

This information is stored in the SIM and may not always exist in the handset memory. It must often be deduced from the contents of messages or account settings. On this handset the value is stored in com.tmobile.pr.adapt.ADAPTCLIENT.xml, and can be found in various account settings for several apps including WhatsApp, Signal, and Instagram.

Expected Response Illustration:

com.tmobile.pr.adapt.ADAPTCLIENT.xml

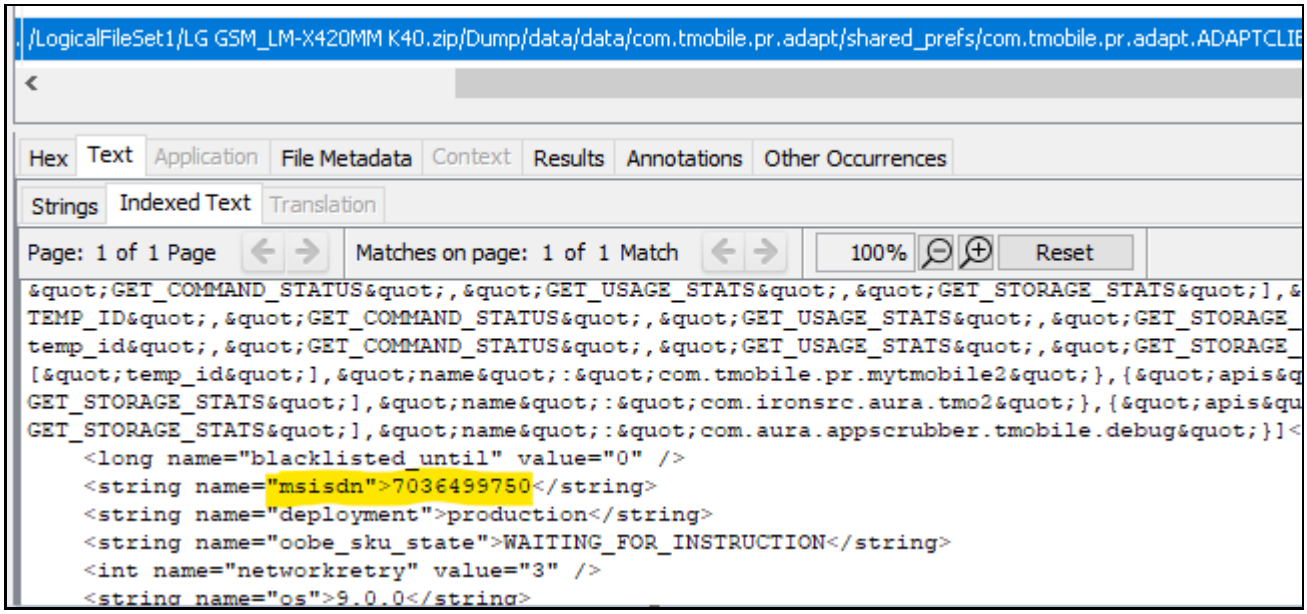


TABLE 1

Question 10 - Examination Questions

WhatsApp account information

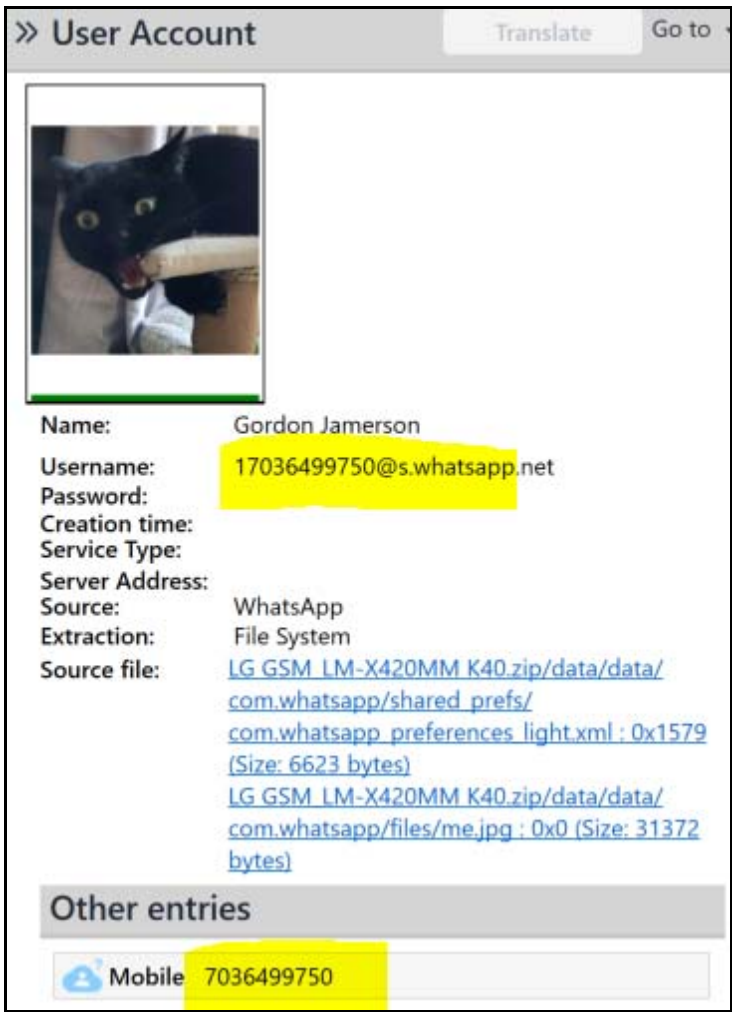


TABLE 1

Question 11 - Examination Questions

Question 11: Provide the device owner's full name.

Manufacturer's Expected Response: Gordon Jamerson

WebCode	Response
2MC97B	Gordon Jamerson
2QFHGZ	Gordon Jamerson
2V7RQX	Gordon Jamerson
3LETCX	Gordon Jamerson
44E4VU	Gordon Jamerson
4K3EHW	DUXDELL
4NRJQK	Gordon Jamerson
4TG3JQ	Gordon Jamerson
6GX8GW	Gordon Jamerson
6U42BU	Gordon Jamerson
7JBXVH	Gordon Jamerson
7JJCQE	Gordon Jamerson
8B2ZBT	Gordon Jamerson
8NQZ3V	Gordon Jamerson
9C78QQ	Gordon Jamerson
9HHYJC	Gordon Jamerson
B3F9DQ	Gordon Jamerson
B8BZLM	Gordon Jamerson
BEBE9A	Gordon Jamerson
BH92XQ	Gordon Jamerson
BPQALN	Gordon Jamerson
BTU67Q	Gordon Jamerson
BUL4JP	Gordon Jamerson
BUZM4L	Gordon Jamerson
BVTL28	Gordon Jamerson
C79P3P	Gordon Jamerson
CBPXQN	Gordon Jamerson
CMW3GG	Gordon Jamerson

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 11 - Examination Questions	
WebCode	**Response**
CNYNEH	Gordon Jamerson
CQKEFM	Gordon Jamerson
DENLTG	Gordon Jamerson
E3NJJK	Gordon Jamerson
E8HDGL	Gordon Jameson
EZZ9KE	Gordon Jamerson
FF8LEG	Gordon Jamerson
FHXMK6	Gordon Jamerson
FN2Q9H	Gordon Jamerson
G26EZC	Gordon Jamerson
G64QVC	Gordon Jamerson
G8R3VH	Gordon Jamerson
GMJZWD	Gordon Jamerson
J2FXXE	Gordon Jamerson
J3QZJD	Gordon Jamerson
J6G2P2	Gordon Jamerson
J99YP6	Gordon Jamerson
JABU6B	Gordon Jamerson
JKQQ33	Gordon Jamerson
LAJR6D	Gordon Jamerson
LFPNND	Gordon Jamerson
M3XEGX	Gordon Jamerson
MDD9UC	Gordon Jamerson
MYY3KX	Gordon Jamerson
N7XPBC	Gordon Jamerson
NKU4B7	GORDON JAMERSON
NZR7X6	Gordon Jamerson
P2XZ7A	Gordon Jamerson
PEMW99	Gordon Jamerson
PHLBTC	Gordon Jamerson

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 11 - Examination Questions	
WebCode	**Response**
Q328NT	Gordon Jamerson
Q9QRRA	Gordan Jamerson
QCCAAU	Gordon Jamerson
QPXBKL	Gordon Jamerson
QR2H68	Gordon Jamerson
R9AVZA	Gordon Jamerson
RLZJF3	Gordon Jamerson
TBUXQF	Gordon Jamerson
TWBK68	Gordon Jamerson
UGDP88	Gordon Jamerson
UU4CNZ	Gordon Jamerson
UWP4P6	Gordon Jamerson
UWZRKH	Gordon Jamerson
UYTY99	Gordon Jamerson
VCZ8PQ	Gordon Jamerson
VMY6B6	Gordon Jamerson
VQXF86	Gordon Jamerson
VTKXPP	Gordon Jamerson
VVNQG3	Gordon Jamerson
W4XGJ7	GORDON JAMERSON
W98U26	Gordon Jamerson
WPV8FW	Gordon JAMERSON
XDH8J3	Gordon Jamerson
XURWW4	Gordon Jamerson
XV3YH3	Gordon Jamerson
Y8QK23	Gordon Jamerson
YCL3NU	Gordon Jamerson
YH86LY	Gordon Jamerson
Z2GJHK	Gordon Jamerson
Z7XNEU	Gordon Jamerson

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 11 - Examination Questions	
WebCode	**Response**
ZNNNZC	Gordon Jamerson

Question 11: Provide the device owner's full name.

Consensus Result: Gordon Jamerson

Expected Response Explanation:
This information is stored in /data/system/users/0.xml

Expected Response Illustration:
0.xml

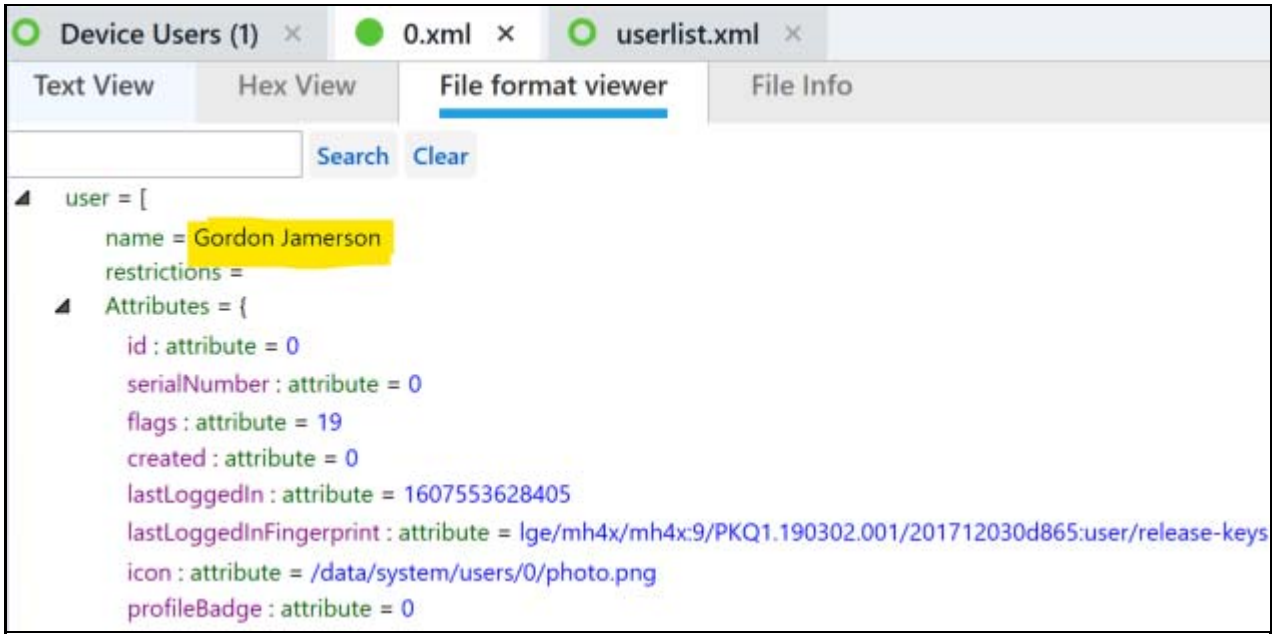


TABLE 1

Question 12 - Examination Questions

Question 12: What is the account name (email address) for this device's backup account?

Manufacturer's Expected Response: gordonjamerson9@gmail.com

WebCode	Response
2MC97B	gordonjamerson9@gmail.com
2QFHGZ	gordonjamerson9@gmail.com
2V7RQX	gordonjamerson9@gmail.com
3LETCX	gordonjamerson9@gmail.com
44E4VU	gordonjamerson9@gmail.com
4K3EHW	gordonjamerson9@gmail.com
4NRJQK	gordonjamerson9@gmail.com
4TG3JQ	gordonjamerson9@gmail.com
6GX8GW	gordonjamerson9@gmail.com
6U42BU	gordonjemerson9@gmail.com
7JBXVH	gordonjamerson9@gmail.com
7JJCQE	gordongordonjamerson@protonmail.com
8B2ZBT	gordonjamerson9@gmail.com
8NQZ3V	gordonjamerson9@gmail.com
9C78QQ	gordonjamerson9@gmail.com
9HHYJC	gordonjamerson9@gmail.com
B3F9DQ	gordonjamerson9@gmail.com
B8BZLM	gordonjamerson9@gmail.com
BEBE9A	gordonjamerson9@gmail.com
BH92XQ	gordonjamerson9@gmail.com
BPQALN	gordonjamerson9@gmail.com
BTU67Q	gordonjamerson9@gmail.com
BUL4JP	gordonjamerson9@gmail.com
BUZM4L	gordonjamerson9@gmail.com
BVTL28	gordonjamerson9@gmail.com
C79P3P	gordonjamerson9@gmail.com
CBPXQN	gordonjamerson9@gmail.com
CMW3GG	gordonjamerson9@gmail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 12 - Examination Questions	
WebCode	**Response**
CNYNEH	gordonjamerson9@gmail.com
CQKEFM	gordonjamerson9@gmail.com
DENLTG	gordonjamerson9@gmail.com
E3NJJK	gordonjamerson9@gmail.com
E8HDGL	gordonjamerson9@gmail.com
EZZ9KE	gordonjamerson9@gmail.com
FF8LEG	gordonjamerson9@gmail.com
FHXMK6	Gordonjamerson9@gmail.com
FN2Q9H	gordonjamerson9@gmail.com
G26EZC	gordonjamerson9@gmail.com
G64QVC	gordonjamerson9@gmail.com
G8R3VH	gordonjamerson9@gmail.com
GMJZWD	gordonjamerson9@gmail.com
J2FXXE	gordonjamerson9@gmail.com
J3QZJD	gordonjamerson9@gmail.com
J6G2P2	gordonjamerson9@gmail.com
J99YP6	gordonjamerson9@gmail.com
JABU6B	gordonjamerson9@gmail.com
JKQQ33	GordonGordonJamerson@protonmail.com
LAJR6D	gordonjamerson9@gmail.com
LFPNND	gordonjamerson9@gmail.com
M3XEGX	gordonjamerson9@gmail.com
MDD9UC	gordonjamerson9@gmail.com
MYY3KX	gordongordonjamerson@protonmail.com
N7XPBC	gordonjamerson9@gmail.com
NKU4B7	GORDONJAMERSON@GMAIL.COM
NZR7X6	gordonjamerson9@gmail.com
P2XZ7A	gordonjamerson9@gmail.com
PEMW99	gordonjamerson9@gmail.com
PHLBTC	gordonjamerson9@gmail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 12 - Examination Questions	
WebCode	**Response**
Q328NT	gordonjamerson9@gmail.com
Q9QRRA	gordonjamerson9@gmail.com
QCCAAU	gordonjamerson9@gmail.com
QPXBKL	gordonjamerson9@gmail.com
QR2H68	gordonjamerson9@gmail.com
R9AVZA	gordonjamerson9@gmail.com
RLZJF3	Gordonjamerson9@gmail.com
TBUXQF	gordonjamerson9@gmail.com
TWBK68	gordonjamerson9@gmail.com
UGDP88	gordonjamerson9@gmail.com
UU4CNZ	gordonjamerson9@gmail.com
UWP4P6	gordonjamerson9@gmail.com
UWZRKH	gordonjamerson9@gmail.com
UYTY99	gordonjamerson9@gmail.com
VCZ8PQ	gordonjamerson9@gmail.com
VMY6B6	gordonjamerson9@gmail.com
VQXF86	gordonjamerson9@gmail.com
VTKXPP	gordonjamerson9@gmail.com
VVNQG3	gordonjamerson9@gmail.com
W4XGJ7	GORDONJAMERSON@GMAIL.COM
W98U26	gordonjamerson9@gmail.com
WPV8FW	gordonjamerson9@gmail.com
XDH8J3	gordonjamerson9@gmail.com
XURWW4	gordonjamerson9@gmail.com
XV3YH3	gordonjamerson9@gmail.com
Y8QK23	gordonjamerson9@gmail.com
YCL3NU	gordonjamerson9@gmail.com
YH86LY	gordonjamerson9@gmail.com
Z2GJHK	gordonjamerson9@gmail.com
Z7XNEU	gordonjamerson9@gmail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 12 - Examination Questions	
WebCode	**Response**
ZNNNZC	gordonjamerson9@gmail.com

Question 12: What is the account name (email address) for this device's backup account?

Consensus Result: gordonjamerson9@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

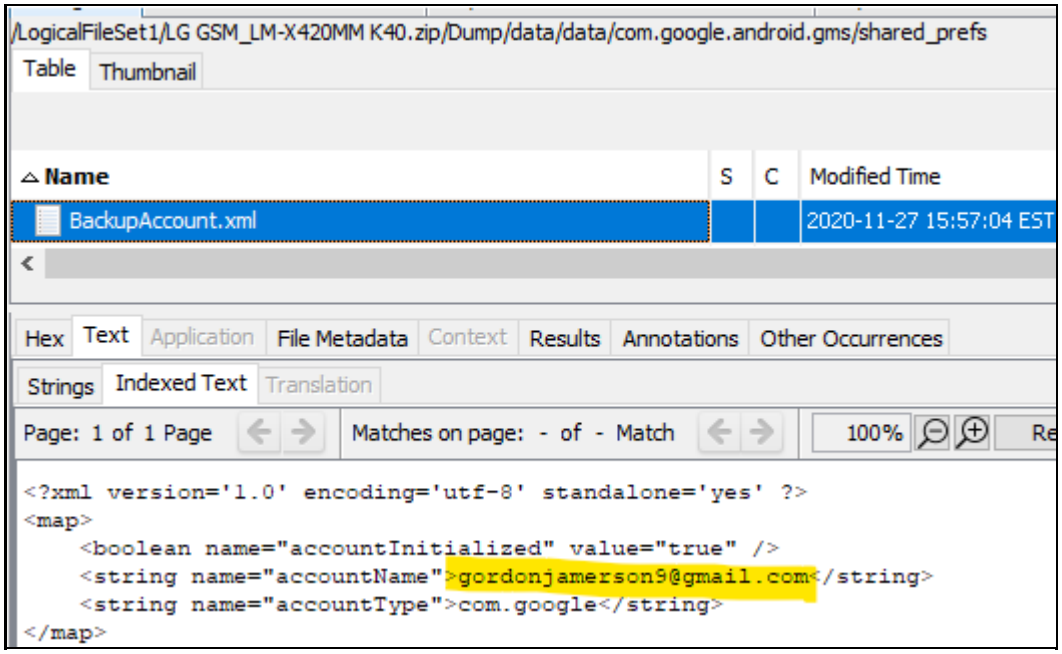


TABLE 1

Question 13 - Examination Questions

Question 13: What is the SSID (name) of the Wi-Fi access point with BSSID (MAC Address) 30:5a:3a:c3:2e:e0 (connected to by this phone)?

Manufacturer's Expected Response: Skynet

WebCode	Response
2MC97B	Skynet
2QFHGZ	Skynet
2V7RQX	Skynet
3LETCX	"Guest_nomap"
44E4VU	Skynet
4K3EHW	Skynet
4NRJQK	Skynet
4TG3JQ	Skynet
6GX8GW	Skynet
6U42BU	Skynet
7JBXVH	Skynet
7JJCQE	Skynet
8B2ZBT	Skynet
8NQZ3V	Skynet
9C78QQ	Skynet
9HHYJC	Skynet
B3F9DQ	Skynet
B8BZLM	"Skynet"
BEBE9A	"Skynet"
BH92XQ	Skynet
BPQALN	Skynet
BTU67Q	Skynet
BUL4JP	Skynet
BUZM4L	Skynet
BVTL28	Skynet
C79P3P	Skynet
CBPXQN	Skynet

TABLE 1

Question 13 - Examination Questions	
WebCode	**Response**
CMW3GG	Skynet
CNYNEH	Skynet
CQKEFM	Skynet
DENLTG	Skynet
E3NJJK	Skynet
E8HDGL	Skynet
EZZ9KE	Skynet
FF8LEG	Skynet
FHXMK6	Skynet
FN2Q9H	Skynet
G26EZC	Skynet.
G64QVC	Skynet
G8R3VH	Skynet
GMJZWD	Skynet
J2FXXE	Skynet
J3QZJD	Skynet
J6G2P2	Skynet
J99YP6	Skynet
JABU6B	Skynet
JKQQ33	Skynet
LAJR6D	No Results Found 30:5a:3a:c3:2e:e0 No BSSID located on any of the 6 locations
LFPNND	Skynet
M3XEGX	Skynet
MDD9UC	Skynet
MYY3KX	Skynet
N7XPBC	Skynet
NKU4B7	SKYNET
NZR7X6	Skynet
P2XZ7A	Skynet
PEMW99	Skynet

TABLE 1

Question 13 - Examination Questions	
WebCode	**Response**
PHLBTC	Skynet
Q328NT	Skynet
Q9QRRA	Skynet
QCCAAU	Skynet
QPXBKL	Skynet
QR2H68	Skynet
R9AVZA	Skynet
RLZJF3	Skynet
TBUXQF	Skynet
TWBK68	Skynet
UGDP88	Skynet
UU4CNZ	Skynet
UWP4P6	Skynet
UWZRKH	Skynet
UYTY99	Skynet
VCZ8PQ	Skynet
VMY6B6	Skynet
VQXF86	Skynet
VTKXPP	Skynet
VVNQG3	Skynet
W4XGJ7	SKYNET
W98U26	Skynet
WPV8FW	Skynet
XDH8J3	Skynet
XURWW4	Skynet
XV3YH3	Skynet
Y8QK23	Skynet
YCL3NU	RCMP Surveillance Moose
YH86LY	Skynet
Z2GJHK	Skynet

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 13 - Examination Questions	
WebCode	**Response**
Z7XNEU	Skynet
ZNNNZC	Skynet

Question 13: What is the SSID (name) of the Wi-Fi access point with BSSID (MAC Address) 30:5a:3a:c3:2e:e0 (connected to by this phone)?

Consensus Result: Skynet

Expected Response Explanation:

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

Expected Response Illustration:

WifiConfigStore.xml

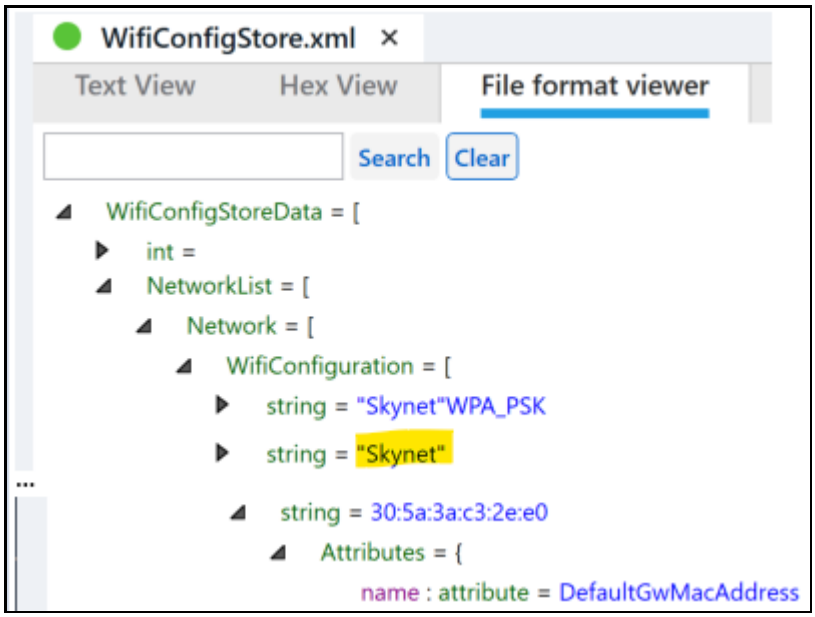


TABLE 1

Question 14 - Examination Questions

Question 14: What is the password (Pre-Shared Key) for the Wi-Fi access point with SSID RCMP Surveillance Moose?

Manufacturer's Expected Response: nopassword@$

WebCode	Response
2MC97B	nopassword@
2QFHGZ	nopassword@$
2V7RQX	nopassword@$
3LETCX	nopassword@$&
44E4VU	nopassword@$
4K3EHW	nopassword@$
4NRJQK	nopassword@$
4TG3JQ	nopassword@$
6GX8GW	nopassword@$
6U42BU	nopassword@$
7JBXVH	nopassword@$
7JJCQE	nopassword@$
8B2ZBT	nopassword@$
8NQZ3V	nopassword@$
9C78QQ	nopassword@$
9HHYJC	nopassword@$
B3F9DQ	nopassword@$
B8BZLM	nopassword@$
BEBE9A	nopassword@$
BH92XQ	nopassword@$
BPQALN	nopassword@$
BTU67Q	nopassword@$
BUL4JP	nopassword@$
BUZM4L	nopassword@$
BVTL28	nopassword@$
C79P3P	nopassword@$
CBPXQN	nopassword@$

TABLE 1

Question 14 - Examination Questions	
WebCode	**Response**
CMW3GG	nopassword@$
CNYNEH	nopassword@$
CQKEFM	nopassword@$
DENLTG	nopassword@$
E3NJJK	nopassword@$
E8HDGL	nopassword@$
EZZ9KE	<string name="PreSharedKey">&quote;nopassword@$&quote;</string>.
FF8LEG	nopassword
FHXMK6	nopassword@$
FN2Q9H	skynettenyks
G26EZC	nopassword@$.
G64QVC	nopassword@$
G8R3VH	nopassword@$
GMJZWD	nopassword@$
J2FXXE	nopassword@$
J3QZJD	nopassword@$
J6G2P2	nopassword@$
J99YP6	nopassword@$
JABU6B	nopassword@$
JKQQ33	nopassword@$
LAJR6D	NO passwords listed for RCMP
LFPNND	nopassword@$
M3XEGX	nopassword@$
MDD9UC	nopassword@$
MYY3KX	nopassword@$
N7XPBC	nopassword@$&quot
NKU4B7	nopassword@$
NZR7X6	nopassword@$
P2XZ7A	nopassword@$
PEMW99	nopassword@$

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 14 - Examination Questions	
WebCode	**Response**
PHLBTC	nopassword@$
Q328NT	nopassword@$
Q9QRRA	nopassword@$
QCCAAU	nopassword@$
QPXBKL	nopassword@$
QR2H68	nopassword@$
R9AVZA	No password
RLZJF3	nopassword@$
TBUXQF	nopassword@$
TWBK68	nopassword@$
UGDP88	nopassword@$
UU4CNZ	nopassword@$
UWP4P6	nopassword@$
UWZRKH	nopassword@$
UYTY99	nopassword@$
VCZ8PQ	nopassword@$
VMY6B6	nopassword
VQXF86	nopassword@$
VTKXPP	nopassword@$
VVNQG3	"nopassword@$"
W4XGJ7	N/A
W98U26	nopassword@$
WPV8FW	nopassword@$
XDH8J3	nopassword@$
XURWW4	nopassword@$
XV3YH3	nopassword@$
Y8QK23	nopassword@$
YCL3NU	nopassword
YH86LY	nopassword@$
Z2GJHK	nopassword@$

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 14 - Examination Questions	
WebCode	**Response**
Z7XNEU	nopassword@$
ZNNNZC	nopassword@$

Question 14: What is the password (Pre-Shared Key) for the Wi-Fi access point with SSID RCMP Surveillance Moose?

Consensus Result: nopassword@$

Expected Response Explanation:
This information is stored in data/misc/wifi/WifiConfigStore.xml.

Expected Response Illustration:
WifiConfigStore.xml

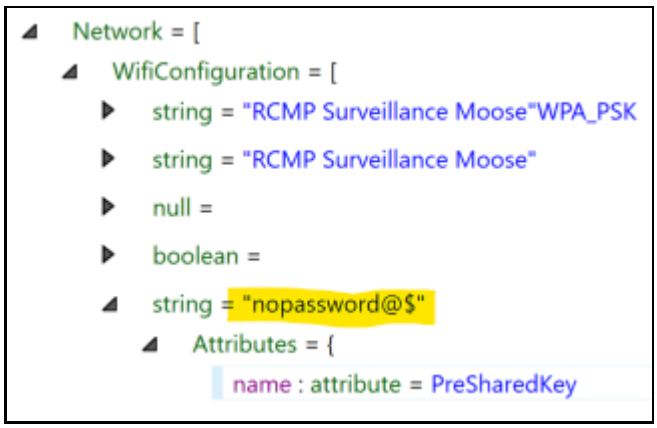


TABLE 1

Question 15 - Examination Questions

Question 15: What is the name of the Bluetooth device with MAC Address 91:56:e0:b3:95:b0?

Manufacturer's Expected Response: OontZ Angle 3 5B0

WebCode	Response
2MC97B	OontZ Angle 3 5B0
2QFHGZ	OontZ Angle 3 5B0
2V7RQX	OontZ Angle 3 5B0
3LETCX	OontZ Angle 3 5B0
44E4VU	OontZ Angle 3 5B0
4K3EHW	OontZ Angle 3 5B0
4NRJQK	OontZ Angle 3 5B0
4TG3JQ	OontZ Angle 3 5B0
6GX8GW	OontZ Angle 3 5B0
6U42BU	OontZ Angle 3 5B0
7JBXVH	OontZ Angle 3 5B0
7JJCQE	Oontz Angle 3 580
8B2ZBT	OontZ Angle 3 5B0
8NQZ3V	OontZ Angle 3 5B0
9C78QQ	OontZ Angle 3 5B0
9HHYJC	OontZ Angle 3 5B0
B3F9DQ	OontZ Angle 3 5B0
B8BZLM	OontZ Angle 3 5B0
BEBE9A	OontZ Angle 3 5B0
BH92XQ	OontZ Angle 3 5B0
BPQALN	Oontz Angle 3 5B0
BTU67Q	OontZ Angle 3 5B0
BUL4JP	OontZ Angle 3 5B0
BUZM4L	OontZ Angle 3 5B0
BVTL28	Oontz Angle 3 3 5B0
C79P3P	OontZ Angle 3 5B0
CBPXQN	OontZ Angle 3 5B0
CMW3GG	OontZ Angle 3 5B0

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 15 - Examination Questions	
WebCode	**Response**
CNYNEH	OontZ Angle 3 5B0
CQKEFM	OontZ Angle 3 5B0
DENLTG	OontZ Angle 3 5B0
E3NJJK	Oontz Angle 3 (portable wireless bluetooth speaker)
E8HDGL	OontZ Angle 3 5B0
EZZ9KE	OontZ Angle 3 5B0
FF8LEG	OontZ Angle 3 5B0
FHXMK6	OontZ Angle 3 5B0
FN2Q9H	Oontz Angle 3
G26EZC	OontZ Angle 3 5B0.
G64QVC	OontZ Angle 3 5B0
G8R3VH	OontZ Angle 3 5B0
GMJZWD	OontZ Angle 3 5B0
J2FXXE	OontZ Angle 3 5B0
J3QZJD	OontZ Angle 3 5B0
J6G2P2	OontZ Angle 3 5B0
J99YP6	OontZ Angle 3 5B0
JABU6B	OontZ Angle 3 5B
JKQQ33	Oontz Angle 3 5B0
LAJR6D	OontZ Angle 3 5B0
LFPNND	OontZ Angle 3 5B0
M3XEGX	OontZ Angle 3 5B0
MDD9UC	OontZ Angle 3 5B0
MYY3KX	Oontz Angle 3 580
N7XPBC	OontZ Angle 3 5B0
NKU4B7	OontZ Angle 3 5B0
NZR7X6	OontZ Angle 3 5B0
P2XZ7A	OontZ Angle 3 5B0
PEMW99	OontZ Angle 3 5B0
PHLBTC	OontZ Angle 3 5B0

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 15 - Examination Questions	
WebCode	**Response**
Q328NT	OontZ Angle 3 5B0
Q9QRRA	OontZ Angle 3 5B0
QCCAAU	OontZ Angle 3 5B0
QPXBKL	OontZ Angle 3 5B0
QR2H68	OontZ Angle 3 5B0
R9AVZA	OontZ Angle 3 5B0
RLZJF3	OontzAngle3 5B0
TBUXQF	Oontz Angle 3 5B0
TWBK68	OontZ Angle 3 5B0
UGDP88	OontZ Angle 3 5B0
UU4CNZ	OontZ Angle 3 5B0
UWP4P6	OontZ Angle 3 5B0
UWZRKH	OontZ Angle 3 5B0
UYTY99	OontZ Angle 3 5B0
VCZ8PQ	OontZ Angle 3 5B0
VMY6B6	OontZ Angle 3 5B0
VQXF86	OontZ Angle 3 5B0
VTKXPP	OontZ Angle 3 5B0
VVNQG3	OontZ Angle 3 5B0
W4XGJ7	Oontz Angle 3 5B0
W98U26	OontZ Angle 3 5B0
WPV8FW	OontZ Angle 3 5B0
XDH8J3	OontZ Angle 3 5B0
XURWW4	OontZ Angle 3 5B0
XV3YH3	OontZ Angle 3 5B0
Y8QK23	OontZ Angle 3 5B0
YCL3NU	OontZ Angle 3 5B0
YH86LY	OontZ Angle 3 5B0
Z2GJHK	OontZ Angle 3 5B0
Z7XNEU	OontZ Angle 3 5B0

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

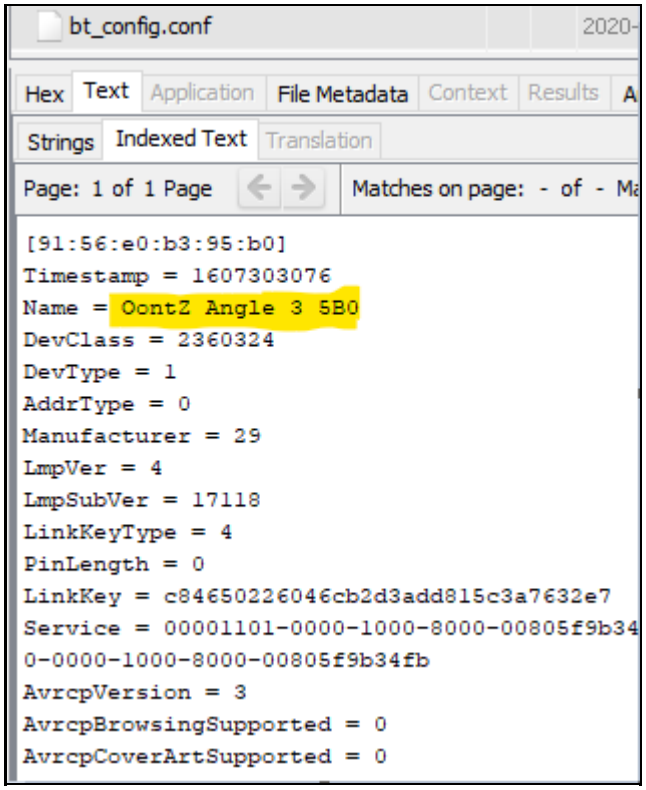
Question 15 - Examination Questions	
WebCode	**Response**
ZNNNZC	OontZ Angle 3 5B0

Question 15: What is the name of the Bluetooth device with MAC Address 91:56:e0:b3:95:b0?

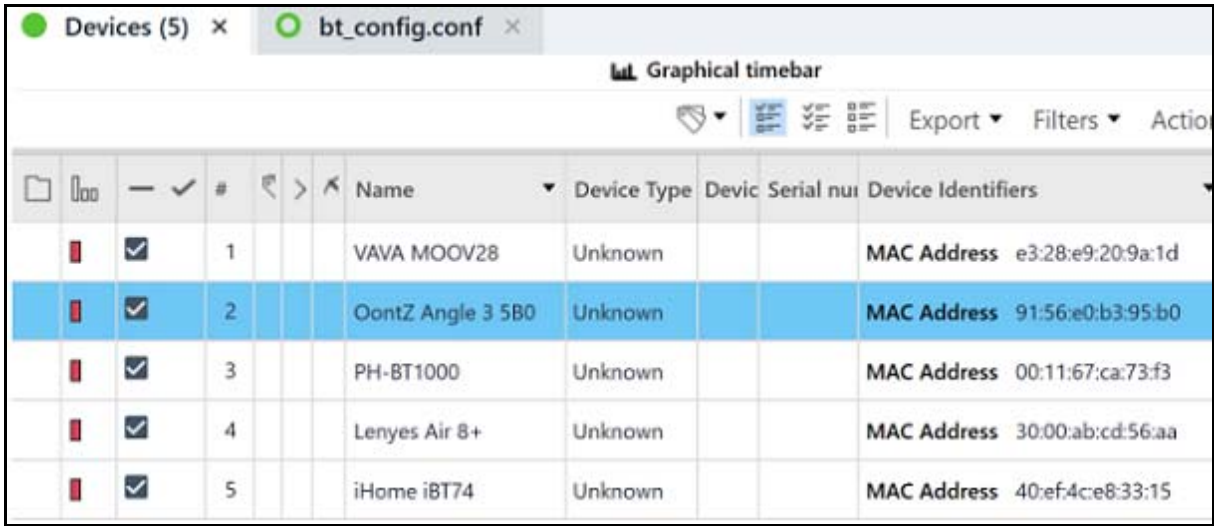
Consensus Result: OontZ Angle 3 5B0

Expected Response Explanation:
This information is stored in /data/misc/bluedroid/bt_config.conf.

Expected Response Illustration:
bt_config.conf



Cellebrite "Devices" table parsed from bt_config.conf



Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 16 - Examination Questions

Question 16: For the bluetooth device referenced in Question 15: What is the date and time of the record timestamp? Provide the answer as 24Hr UTC time in the following format: Month DD, YYYY HH:MM (UTC + 0).

Manufacturer's Expected Response: December 07, 2020 01:04 (UTC+0)

WebCode	Response
2MC97B	Dec 07, 2020 01:04 (UTC+0)
2QFHGZ	Dec 07, 2020 01:04 (UTC+0)
2V7RQX	December 07, 2020 01:04 (UTC+0)
3LETCX	December 07, 2020 01:04 (UTC+0)
44E4VU	December 07, 2020 01:04 (UTC+0)
4K3EHW	12 7, 2020 01:04
4NRJQK	Requested Format: December 07, 2020 01:04 (UTC+0) (Timestamp as shown within extraction: 07/12/2020 01:04:36(UTC+0)
4TG3JQ	12/07/2020 01:04 (UTC+0)
6GX8GW	December 07, 2020 01:04 AM (UTC+0)
6U42BU	12 07, 2020 01:04 (UTC+0)
7JBXVH	December 07, 2020 01:04
7JJCQE	12/7/2020 1:04:36 AM
8B2ZBT	December 07, 2020 01:04 (UTC+0)
8NQZ3V	OontZ Angle 3 5B0
9C78QQ	December 07, 2020 01:04 AM (UTC+0)
9HHYJC	December 07, 2020 01:04 (UTC+0)
B3F9DQ	12/07/2020 01:04 (UTC+0)
B8BZLM	12/7/2020 01:04 (UTC+0)
BEBE9A	December 07, 2020 01:04:36 (UTC+0)
BH92XQ	December 07, 2020 01:04 (UTC+0)
BPQALN	December 07, 2020 01:04 AM (UTC+0)
BTU67Q	December 07, 2020 01:04:36 PM (UTC+0)
BUL4JP	December 07, 2020 01:04 (UTC+0)
BUZM4L	December 7, 2020 01:04 (UTC+0)
BVTL28	December 07, 2020 01:04 (UTC+0)
C79P3P	December 07, 2020 01:04 AM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 16 - Examination Questions	
WebCode	**Response**
CBPXQN	December 07, 2020 01:04 (UTC+0)
CMW3GG	December 07, 2020 01:04 (UTC+0)
CNYNEH	December 07, 2020 01:04 (UTC+0)
CQKEFM	December 07, 2020 01:04 (24 hour clock)
DENLTG	December 07, 2020 01:04 (UTC+0)
E3NJJK	December 07, 2020 01:04:36 (UTC+0)
E8HDGL	12/07/2020 01:04 (UTC+0)
EZZ9KE	September 12, 2020 13:33 (UTC+0).
FF8LEG	12 07, 2020 01:04 (UTC+0)
FHXMK6	December 7, 2020 01:04 (UTC+0)
FN2Q9H	December 07, 2020 01:04
G26EZC	Dec07,2020 01:04 (UTC+0).
G64QVC	Dec 07, 2020 01:04:36 (UTC+0)
G8R3VH	December 07, 2020 01:04 (UTC+0)
GMJZWD	December 07, 2020 01:04
J2FXXE	December 07, 2020 01:04:36
J3QZJD	December 07, 2020 01:04 (UTC+0)
J6G2P2	December 07, 2020 01:04 (UTC+0)
J99YP6	December 07, 2020 01:04
JABU6B	December 7, 2020 1:04 (UTC+0)
JKQQ33	12/7/2020 1:04:36 AM
LAJR6D	12/9/2020 1:33:13 PM (UTC+0)
LFPNND	December 07, 2020 01:04
M3XEGX	December 07, 2020 01:04
MDD9UC	December 07, 2020 01:04 (UTC+0)
MYY3KX	December 7, 2020 01:04 (UTC+0)
N7XPBC	12 07,2020 01:09 (UTC+0)
NKU4B7	Decemeber 07, 2020 01:04 (UTC+0)
NZR7X6	December 07, 2020 01:04 (UTC+0)
P2XZ7A	December 07, 2020 01:04 (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 16 - Examination Questions	
WebCode	**Response**
PEMW99	December 07, 2020 01:04 (UTC+0)
PHLBTC	December 7, 2020 01:04 (UTC+0)
Q328NT	December 07, 2020 01:04 (UTC+0)
Q9QRRA	December 07, 2020 01:04 (UTC+0)
QCCAAU	December 7, 2020 1:04 (UTC+0)
QPXBKL	December 07, 2020 01:04 (UTC+0)
QR2H68	December 07, 2020 01:04 (UTC+0)
R9AVZA	December 07, 2020 01:04 (UTC+0)
RLZJF3	December 7, 2020 1:04 AM (UTC+0)
TBUXQF	December 07, 2020 01:04 AM (UTC+0)
TWBK68	12/07/2020 01:04 (UTC+0)
UGDP88	December 7, 2020 01:04 (UTC+0)
UU4CNZ	December 07, 2020 01:04 (UTC+0)
UWP4P6	December 07, 2020 01:04 (UTC+0)
UWZRKH	December 07, 2020 01:04 (UTC+0)
UYTY99	12/07/2020 01:04:36 (UTC+0)
VCZ8PQ	December 07, 2020 01:04 (UTC+0)
VMY6B6	December 07, 2020 01:04 (UTC+0)
VQXF86	December 07, 2020 01:04 (UTC+0)
VTKXPP	December 07, 2020 01:04 (UTC+0)
VVNQG3	12/7/2020 01:04 (UTC+0)
W4XGJ7	12/07/2020 1:04 (UTC+0)
W98U26	12 07, 2020 01:04 (UTC+0)
WPV8FW	December 07, 2020 01:04 (UTC+0)
XDH8J3	December 07 2020 01:04 (UTC+0)
XURWW4	12/07/2020 01:04 (UTC+0)
XV3YH3	December 07, 2020 01:04 (UTC+0)
Y8QK23	7/12/2020 01:04:36 (UTC+0)
YCL3NU	7/12/2020 1:04:36 AM (UTC+0)
YH86LY	December 07, 2020 01:04 (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 16 - Examination Questions	
WebCode	**Response**
Z2GJHK	December 07, 2020 01:04
Z7XNEU	December 07, 2020 01:04 (UTC+0)
ZNNNZC	Dec 07, 2020 01:04 (UTC+0)

Question 16: For the bluetooth device referenced in Question 15: What is the date and time of the record timestamp? Provide the answer as 24Hr UTC time in the following format: Month DD, YYYY HH:MM (UTC + 0).

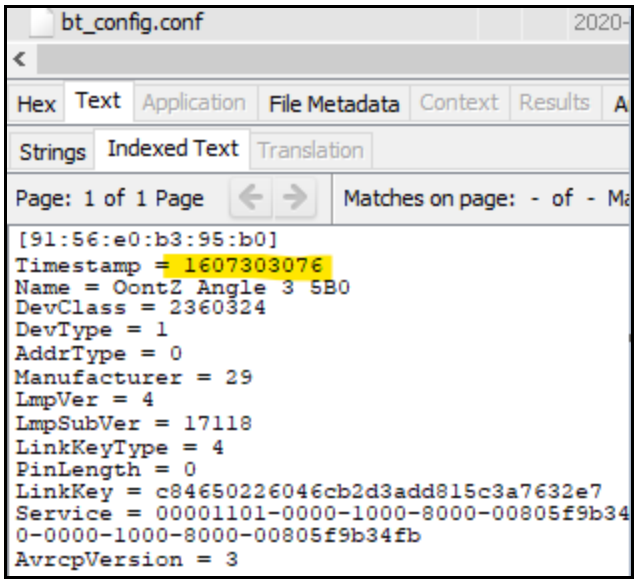
Consensus Result: December 07, 2020 01:04 (UTC+0)

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.

Expected Response Illustration:

bt_config.conf



gchq.github.io/CyberChef

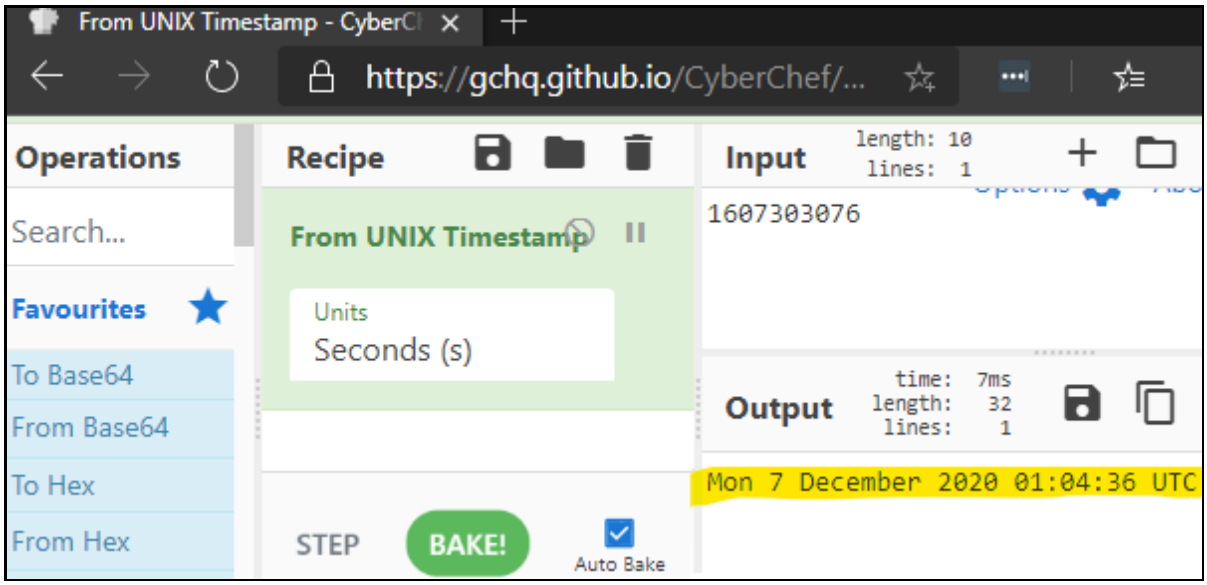


TABLE 1

Question 17 - Examination Questions

Question 17: What encrypted email app did the user install? (Note: this means email application, not secure messaging application)

Manufacturer's Expected Response: ProtonMail

WebCode	Response
2MC97B	ProtonMail - Encrypted Mail
2QFHGZ	protonmail
2V7RQX	ProtonMail
3LETCX	ProtonMail - Encrypted Email
44E4VU	ProtonMail - Encrypted Email
4K3EHW	ProtonMail
4NRJQK	ProtonMail
4TG3JQ	ProtonMail - Encrypted Email
6GX8GW	ProtonMail
6U42BU	ProtonMail
7JBXVH	ProtonMail
7JJCQE	Proton Mail
8B2ZBT	ProtonMail
8NQZ3V	ProtonMail - Encrypted Email
9C78QQ	ProtonMail
9HHYJC	ProtonMail
B3F9DQ	ProtonMail - Encrypted Email
B8BZLM	ProtonMail
BEBE9A	ProtonMail - Encrypted Email
BH92XQ	ProtonMail
BPQALN	Proton Mail
BTU67Q	ProtonMail
BUL4JP	ProtonMail
BUZM4L	ProtonMail
BVTL28	Protonmail
C79P3P	ProtonMail
CBPXQN	ProtonMail - Encrypted Email

TABLE 1

Question 17 - Examination Questions	
WebCode	**Response**
CMW3GG	ProtonMail - Encrypted Mail
CNYNEH	ProtonMail - Encrypted Email
CQKEFM	ProtonMail
DENLTG	ProtonMail - Encrypted Email
E3NJJK	ProtonMail
E8HDGL	ProtonMail - Encrypted Email
EZZ9KE	Proton Mail
FF8LEG	ProtonMail
FHXMK6	Protonmail
FN2Q9H	ProtonMail
G26EZC	Protonmail - Encrypted Email.
G64QVC	ProtonMail - Encrypted Email
G8R3VH	ProtonMail
GMJZWD	ProtonMail
J2FXXE	ProtonMail
J3QZJD	ProtonMail
J6G2P2	ProtonMail
J99YP6	ProtonMail
JABU6B	ProtonMail
JKQQ33	Proton Email
LAJR6D	ProtonMail
LFPNND	ProtonMail - Encrypted Email
M3XEGX	ProtonMail
MDD9UC	ProtonMail - Encrypted Email
MYY3KX	Proton Mail - Encrypted Email
N7XPBC	Gmail
NKU4B7	PROTONMAIL
NZR7X6	ProtonMail
P2XZ7A	ProtonMail
PEMW99	ProtonMail - Encrypted Email

TABLE 1

Question 17 - Examination Questions	
WebCode	**Response**
PHLBTC	ProtonMail - Encrypted Email
Q328NT	ProtonMail
Q9QRRA	ProtonMail
QCCAAU	ProtonMail
QPXBKL	ProtonMail - Encrypted Email
QR2H68	ProtonMail - Encrypted Email
R9AVZA	ProtonMail - Encrypted Email
RLZJF3	Protonmail - Encrypted Email
TBUXQF	ProtonMail
TWBK68	ProtonMail - Encrypted Email
UGDP88	ProtonMail
UU4CNZ	ProtonMail
UWP4P6	Protonmail
UWZRKH	Proton Mail
UYTY99	ProtonMail
VCZ8PQ	ProtonMail
VMY6B6	Proton Mail
VQXF86	ProtonMail - Encrypted Email
VTKXPP	ProtonMail - Encrypted Email
VVNQG3	ProtonMail
W4XGJ7	PROTOMAIL.COM
W98U26	ProtonMail - Encrypted Email
WPV8FW	ProtonMail
XDH8J3	ProtonMail - Encrypted Mail
XURWW4	ProtonMail
XV3YH3	ProtonMail
Y8QK23	ProtonMail - Encrypted Email
YCL3NU	ProtonMail - Encrypted Email
YH86LY	ProtonMail
Z2GJHK	ProtonMail

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 17 - Examination Questions	
WebCode	**Response**
Z7XNEU	ProtonMail
ZNNNZC	ProtonMail

Question 17: What encrypted email app did the user install? (Note: this means email application, not secure messaging application)

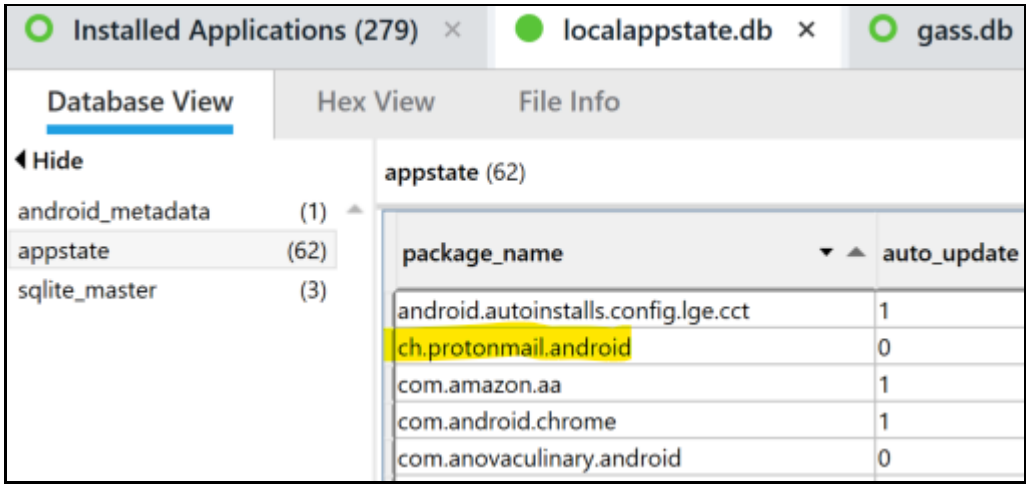
Consensus Result: ProtonMail

Expected Response Explanation:

Information about installed apps is stored in /data/data/com.android.vending/databases/localappstate.db and /data/data/com.google.android.gms/databases/gass.db.

Expected Response Illustration:

localappstate.db



Cellebrite "Installed Applications" table parsed from localappstate.db

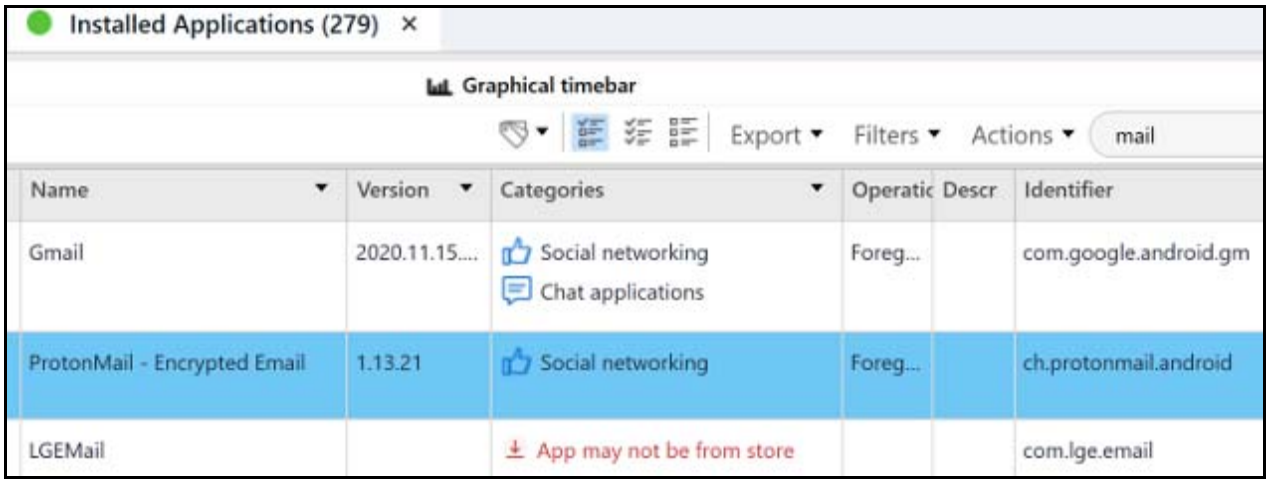


TABLE 1

Question 18 - Examination Questions

Question 18: What is the version of the user-installed encrypted email app?

Manufacturer's Expected Response: 1.13.21 and/or 746

WebCode	Response
2MC97B	ProtonMail Version 1.13.2.1
2QFHGZ	1.13.21
2V7RQX	1.13.21
3LETCX	1.13.21
44E4VU	1.13.21
4K3EHW	1.13.21
4NRJQK	1.13.21
4TG3JQ	1.13.21
6GX8GW	1.13.21
6U42BU	1.13.21
7JBXVH	1.13.21
7JJCQE	1.13.21
8B2ZBT	Version 1.13.21
8NQZ3V	1.13.21
9C78QQ	1.13.21
9HHYJC	1.13.21
B3F9DQ	1.13.21
B8BZLM	1.13.21
BEBE9A	1.13.21
BH92XQ	Version: 1.13.21
BPQALN	1.13.21
BTU67Q	1.13.21
BUL4JP	1.13.21
BUZM4L	1.13.21
BVTL28	1.13.21
C79P3P	1.13.21
CBPXQN	1.13.21
CMW3GG	1.13.21

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 18 - Examination Questions	
WebCode	**Response**
CNYNEH	Current: 1.13.21 (version code: 746)
CQKEFM	Version 1.13.21
DENLTG	1.13.21
E3NJJK	746
E8HDGL	1.13.21
EZZ9KE	1.13.21
FF8LEG	1.13.21
FHXMK6	1.13.21
FN2Q9H	1.13.21
G26EZC	V.1.13.21
G64QVC	1.13.21(746)
G8R3VH	1.13.21
GMJZWD	1.13.21
J2FXXE	1.13.21
J3QZJD	1.13.21
J6G2P2	1.13.21
J99YP6	1.13.21
JABU6B	1.13.21
JKQQ33	1.13.21
LAJR6D	1.13.21
LFPNND	1.13.21
M3XEGX	1.13.21
MDD9UC	1.13.21
MYY3KX	1.13.21
N7XPBC	2020.11.15.344277575.Release
NKU4B7	1.13.21 (746)
NZR7X6	1.13.21
P2XZ7A	1.13.21
PEMW99	1.13.21
PHLBTC	1.13.21

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 18 - Examination Questions	
WebCode	**Response**
Q328NT	1.13.21
Q9QRRA	1.13.21
QCCAAU	1.13.21
QPXBKL	1.13.21
QR2H68	1.13.21
R9AVZA	1.13.21
RLZJF3	1.13.21
TBUXQF	1.13.21
TWBK68	1.13.21
UGDP88	746
UU4CNZ	1.13.21
UWP4P6	1.13.21
UWZRKH	1.13.21
UYTY99	appVersion:746
VCZ8PQ	1.13.21
VMY6B6	1.13.21
VQXF86	Version 1.13.21
VTKXPP	1.13.21
VVNQG3	1.13.21
W4XGJ7	1.13.21
W98U26	1.13.21
WPV8FW	1.13.21
XDH8J3	1.13.21
XURWW4	1.13.21
XV3YH3	1.13.21
Y8QK23	1.13.21
YCL3NU	1.13.21
YH86LY	1.13.21
Z2GJHK	1.13.21
Z7XNEU	746

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 18 - Examination Questions	
WebCode	**Response**
ZNNNZC	ProtonMail Version 1.13.2.1

Question 18: What is the version of the user-installed encrypted email app?

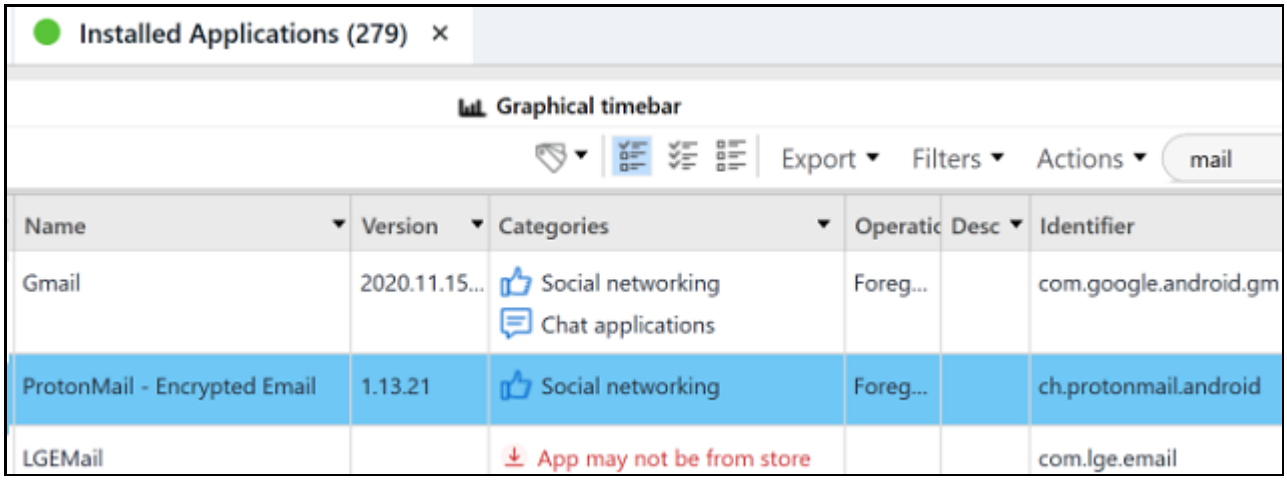
Consensus Result: 1.13.21 and/or 746

Expected Response Explanation:

Information about installed apps is stored in /data/data/com.android.vending/databases/localappstate.db.
Information about protonmail is stored in
/data/data/ch.protonmail.android/shared_prefs/ch.protonmail.android_preferences.xml.

Expected Response Illustration:

Cellebrite "Installed Applications" table parsed from localappstate.db



ch.protonmail.android_preferences.xml

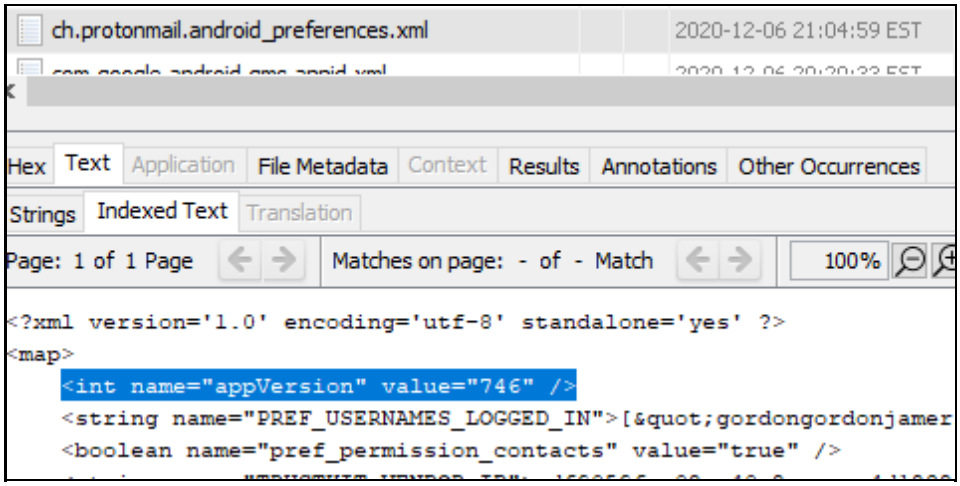


TABLE 1

Question 19 - Examination Questions

Question 19: The preferences for the user-installed encrypted email app are configured with what logged in username?

Manufacturer's Expected Response: gordongordonjamerson or gordongordonjamerson@protonmail.com

WebCode	Response
2MC97B	gordongordonjamerson
2QFHGZ	gordongordonjamerson@protonmail.com
2V7RQX	gordongordonjamerson
3LETCX	gordongordonjamerson@protonmail.com PAUL MULLER
44E4VU	gordongordonjamerson
4K3EHW	gordongordonjamerson@protonmail.com
4NRJQK	gordonsamerson9
4TG3JQ	gordongordonjamerson
6GX8GW	gordongordonjamerson
6U42BU	gordongordonjamerson@protonmail.com
7JBXVH	gordongordonjamerson
7JJCQE	gordonjamerson9@gmail.com
8B2ZBT	gordongordonjamerson@protonmail.com
8NQZ3V	gordongordonjamerson@protonmail.com
9C78QQ	gordonjamerson9@gmail.com
9HHYJC	Gordonjamerson9
B3F9DQ	gordonsamerson9
B8BZLM	gordongordonjamerson
BEBE9A	gordongordonjamerson
BH92XQ	gordongordonjamerson
BPQALN	gordonjamerson9@gmail.com
BTU67Q	gordongordonjamerson
BUL4JP	gordongordonjamerson
BUZM4L	gordongordonjamerson
BVTL28	gordongordonjamerson@protonmail.com
C79P3P	gordongordonjamerson
CBPXQN	gordongordonjamerson

TABLE 1

Question 19 - Examination Questions	
WebCode	**Response**
CMW3GG	gordongordonjamerson@protonmail.com
CNYNEH	gordongordonjamerson
CQKEFM	gordongordonjamerson
DENLTG	gordongordonjamerson
E3NJJK	gordongordonjamerson
E8HDGL	gordongordonjamerson@protonmail.com
EZZ9KE	gordonjamerson9@gmail.com
FF8LEG	gordongordonjamerson
FHXMK6	gordonjamerson9@gmail.com
FN2Q9H	gordongordonjamerson@protonmail.com
G26EZC	gordonjamerson9
G64QVC	gordongordonjamerson
G8R3VH	gordongordonjamerson
GMJZWD	gordongordonjamerson
J2FXXE	gordongordonjamerson
J3QZJD	gordongordonjamerson
J6G2P2	gordongordonjamerson
J99YP6	gordongordonjamerson
JABU6B	gordongordonjamerson
JKQQ33	gordonjamerson9
LAJR6D	Gordon Jamerson
LFPNND	gordongordonjamerson
M3XEGX	gordongordonjamerson
MDD9UC	gordongordonjamerson
MYY3KX	gordonjamerson9@gmail.com
N7XPBC	gordonjamerson9@gmail.com
NKU4B7	gordongordonjamerson
NZR7X6	gordongordonjamerson
P2XZ7A	gordongordonjamerson
PEMW99	gordonjamerson9@gmail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 19 - Examination Questions	
WebCode	**Response**
PHLBTC	Gordongordonjamerson
Q328NT	gordongordonjamerson
Q9QRRA	gordongordonjamerson
QCCAAU	gordongordonjamerson
QPXBKL	gordongordonjamerson
QR2H68	gordongordonjamerson
R9AVZA	gordongordonjamerson@protonmail.com
RLZJF3	gordongordonjamerson
TBUXQF	gordongordonjamerson
TWBK68	gordongordonjamerson@protonmail.com
UGDP88	gordongordonjamerson
UU4CNZ	gordongordonjamerson
UWP4P6	gordongordonjamerson
UWZRKH	gordongordonjamerson
UYTY99	gordongordonjamerson
VCZ8PQ	gordongordonjamerson
VMY6B6	gordonsamerson9
VQXF86	gordongordonjamerson
VTKXPP	gordongordonjamerson
VVNQG3	gordongordonjamerson@protonmail.com
W4XGJ7	gordongordonjamerson
W98U26	gordongordonjamerson
WPV8FW	gordongordonjamerson
XDH8J3	Gordongordonjamerson
XURWW4	gordonsamerson9
XV3YH3	gordonsamerson9
Y8QK23	gordonjamerson9@gmail.com
YCL3NU	gordongordonjamerson@protonmail.com
YH86LY	gordongordonjamerson
Z2GJHK	Gordongordonjamerson

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 19 - Examination Questions	
WebCode	**Response**
Z7XNEU	gordongordonjamerson
ZNNNZC	gordongordonjamerson

Question 19: The preferences for the user-installed encrypted email app are configured with what logged in username?

Consensus Result: gordongordonjamerson or gordongordonjamerson@protonmail.com

Expected Response Explanation:

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

Expected Response Illustration:

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

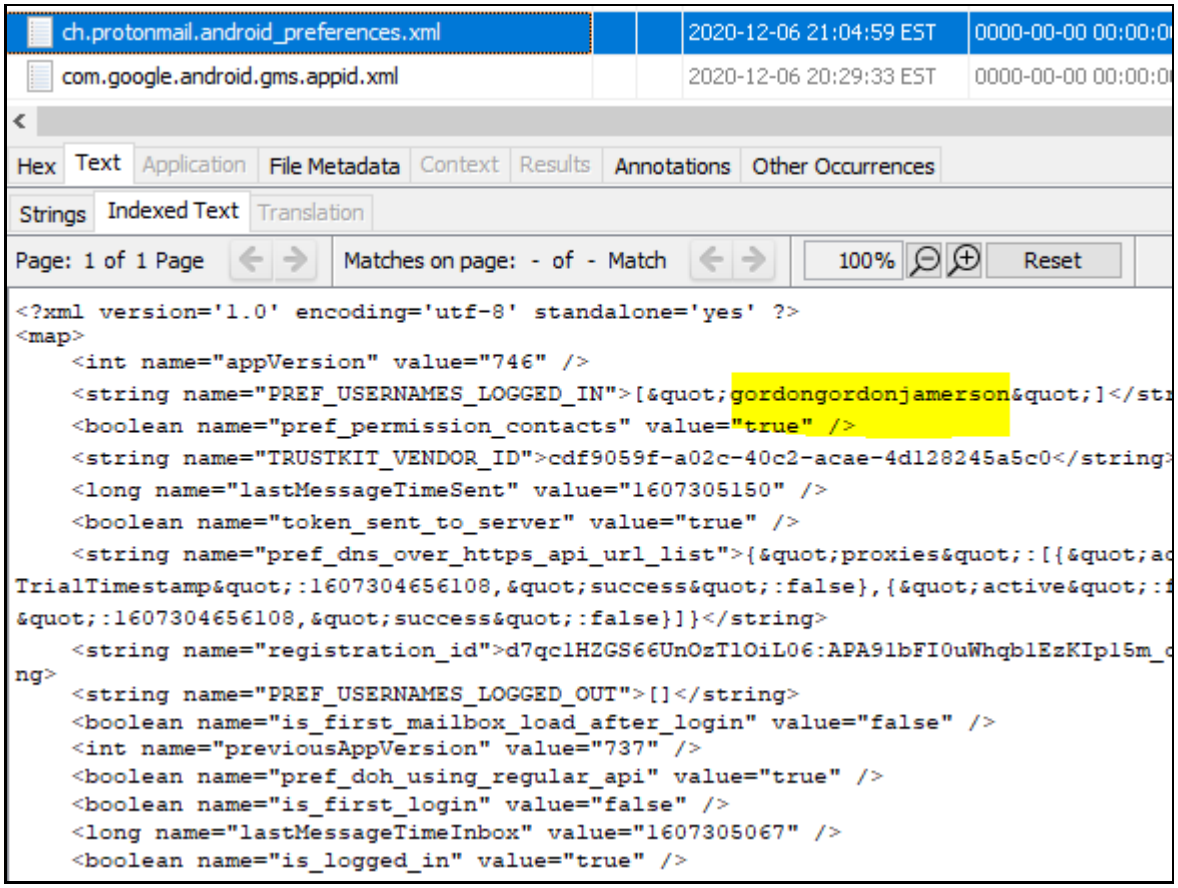


TABLE 1

Question 20 - Examination Questions

Question 20: What is the path and filename of the file containing the word strigiformes?

Manufacturer's Expected Response: /data/user_de/0/com.lge.ime/files/udb.bin

WebCode	Response
2MC97B	/data/user_de10/com.lge.ime/files/udb.bin
2QFHGZ	not found
2V7RQX	/data/user_de/0/com.lge.ime/files/udb.bin
3LETCX	Filename: udb.bin, FilePath: LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
44E4VU	/data/user_de/0/com.lge.ime/files/udb.bin
4K3EHW	
4NRJQK	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin, Udb.bin
4TG3JQ	/data/user_de/0/com.lge.ime/files/udb.bin
6GX8GW	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
6U42BU	udb.bin, k40.zip/data/user_de/0/com.lge.ime/files/udb.bin
7JBXVH	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
7JJCQE	/LGGSM_LM_X420MMk40.zip/data/user_de/0/com./ge.ime/files/udb.bin
8B2ZBT	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
8NQZ3V	Unable to locate
9C78QQ	/data/user_de/0/com.lge.ime/files/udb.bin
9HHYJC	
B3F9DQ	No answer found
B8BZLM	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
BEBE9A	/data/user_de/0/com.lge.ime/files/udb.bin
BH92XQ	Path: LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin, File Name: udb.bin
BPQALN	LG GSM_LM-X420MM K40.zip/Dump/data/user_de/0/com.lge.ime/files/udb.bin
BTU67Q	LG GSM_LM-X420MM K40.zip/Dump/data/user_de/0/com.lge.ime/files/udb.bin
BUL4JP	/data/user_de/0/com.lge.ime/files/udb.bin
BUZM4L	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
BVTL28	/data/user de/0/com.lge.ime/files/udb.bin
C79P3P	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
CBPXQN	LG GSM LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin udb.bin
CMW3GG	/data/user_de/0/com.lge.ime/files/udb.bin

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 20 - Examination Questions	
WebCode	**Response**
CNYNEH	/data/user_de/0/com.lge.ime/files/udb.bin
CQKEFM	Filepath: /data/user_de/0/com.lge.ime/files/udb.bin, Filename: udb.bin
DENLTG	/data/user_de/0/com.lge.ime/files/udb.bin
E3NJJK	path: /data/user_de/0/com.lge.ime/files/udb.bin, file name: udb.bin
E8HDGL	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
EZZ9KE	(Left blank)
FF8LEG	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
FHXMK6	/data/user_de/0/com.lge.ime/files/udb.bin
FN2Q9H	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/udb.bin, udb.bin
G26EZC	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
G64QVC	- PATH: Dump\data\user_de\0\com.lge.ime\files\, - FILENAME: udb.bin
G8R3VH	LG GSM_LM-X420MM K40.zip/Dump/data/user_de/0/com.lge.ime/files/udb.bin
GMJZWD	I cannot find any evidence of the word strigiformes or any mention of owls with the extraction
J2FXXE	/data/user_de/0/com.lge.ime/files/udb.bin
J3QZJD	Path: /LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin, Filename: udb.bin
J6G2P2	/data/user_de/0/com.lge.ime/files/udb.bin
J99YP6	/user_de/0/com.lge.ime/files/udb.bin
JABU6B	/data/user_de/0/com.lge.ime/files/udb.bin
JKQQ33	LG GSM_LM-X420MMK40.ZIP/data/user_de/0/Com.lge.ime/files/udb.bin
LAJR6D	The word "strigiformes" is not in this extraction. 0 results
LFPNND	/data/user_de/0/com.lge.ime/files/udb.bin
M3XEGX	data/user_de/0/com.lge.ime/files/udb.bin
MDD9UC	/data/user_de/0/com.lge.ime/files/udb.bin
MYY3KX	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
N7XPBC	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin & udb.bin
NKU4B7	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
NZR7X6	/data/user_de/0/com.lge.ime/files/udb.bin
P2XZ7A	Path: LG GSM_LM-X420MM K40.zip\Dump\data\user_de\0\com.lge.ime\files\udb.bin, File Name: udb.bin
PEMW99	/data/user_de/0/com.lge.ime/files/udb.bin and udb.bin
PHLBTC	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 20 - Examination Questions	
WebCode	**Response**
Q328NT	Dump\data\user_de\0\com.lge.ime\files\udb.bin
Q9QRRA	\LG GSM_LM-X420MM K40\Dump\data\user_de\0\com.lge.ime\files\ udb.bin
QCCAAU	not found
QPXBKL	\data\user_de\0\com.lge.ime\files\udb.bin
QR2H68	/data/user_de/0/com.lge.ime/files/udb.bin
R9AVZA	
RLZJF3	/data/user_de/0/com.ige.lme/files/udb.bin
TBUXQF	/data/user_de/0/com.lge.ime/files/udb.bin
TWBK68	/data/user_de/0/com.lge.ime/files/udb.bin
UGDP88	\\data\user_de\0\com.lge.ime\files\udb.bin. This word is located in Unicode at offset 1928580
UU4CNZ	LG LGM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin. The filename is: udb.bin
UWP4P6	(Path)/data/user_de/0/com.lge.ime/files/udb.bin, (Filename)udb.bin
UWZRKH	String not found
UYTY99	path : 21-5550_Evidence.zip\LG GSM_LM-X420MM K40.zip\Dump\data\user_de\0\com.lge.ime\files\udb.bin, filename : udb.bin
VCZ8PQ	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
VMY6B6	/data/user_de/0/com.lge.ime/files/udb.bin
VQXF86	/data/user_de/0/com.lge.ime/files/udb.bin
VTKXPP	/data/user_de/0/com.lge.ime/files/udb.bin
VVNQG3	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
W4XGJ7	n/a
W98U26	LG GSM_LM-X420MM K40.zip/dump/data/user_de/0/com.lge.ime/files/ udb.bin
WPV8FW	Path: /data/user_de/0/com.lge.ime/files/, Filename: udb.bin
XDH8J3	(left blank)
XURWW4	/data/user_de/0/com.lge.ime/files/udb.bin
XV3YH3	/data/user_de/0/com.lge.ime/files/udb.bin
Y8QK23	/LogicalFileSet1/Dump/data/user_de/0/com.lge.ime/files/udb.bin
YCL3NU	LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/udb.bin
YH86LY	\data\user_de\0\com.lge.ime\files\udb.bin
Z2GJHK	/data/user_de/0/com.lge.ime/files/udb.bin
Z7XNEU	Path: LG GSM_LM-X420MM K40.zip/data/user_de/0/com.lge.ime/files/, Filename: udb.bin

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 20 - Examination Questions	
WebCode	**Response**
ZNNNZC	/data/user_de10/com.lge.ime/files/udb.bin

Question 20: What is the path and filename of the file containing the word strigiformes?

Consensus Result: /data/user_de/0/com.lge.ime/files/udb.bin and certain variations

Expected Response Explanation:
A keyword search of all files in the extraction will discover this file.

Expected Response Illustration:
Database view of Accounts3.sqlite (Filtered)

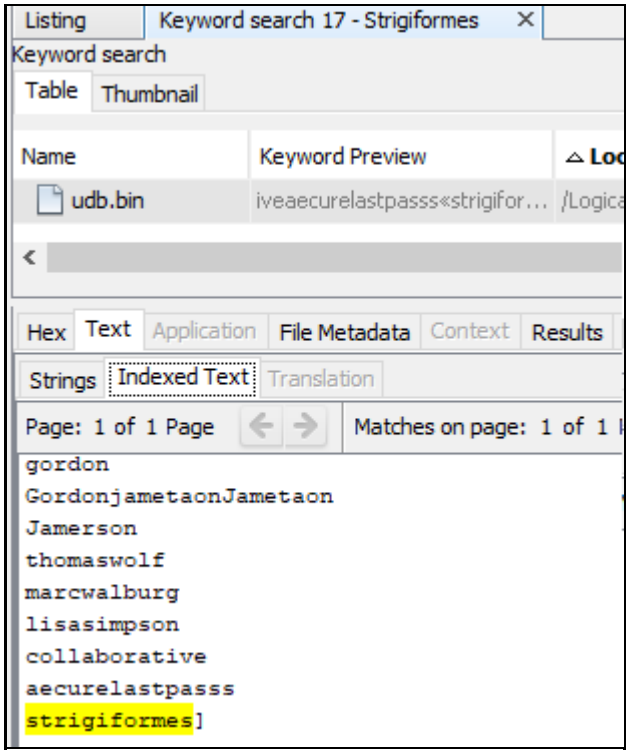


TABLE 1

Question 21 - Examination Questions

Question 21: After listening to the voicemail message stored on the phone, what is the answer to this question (question 21)?

Manufacturer's Expected Response: 42

WebCode	Response
2MC97B	Forty-tow(42)
2QFHGZ	42
2V7RQX	42
3LETCX	The answer is 42
44E4VU	42
4K3EHW	
4NRJQK	42
4TG3JQ	42
6GX8GW	42
6U42BU	The answer to question 21 is 42
7JBXVH	42
7JJCQE	42
8B2ZBT	42
8NQZ3V	42
9C78QQ	42
9HHYJC	42
B3F9DQ	42
B8BZLM	42
BEBE9A	42
BH92XQ	42
BPQALN	42
BTU67Q	42
BUL4JP	42
BUZM4L	42
BVTL28	42
C79P3P	42
CBPXQN	42

TABLE 1

Question 21 - Examination Questions	
WebCode	**Response**
CMW3GG	42
CNYNEH	42
CQKEFM	42
DENLTG	42
E3NJJK	42
E8HDGL	42
EZZ9KE	42
FF8LEG	42
FHXMK6	42
FN2Q9H	42
G26EZC	42
G64QVC	42
G8R3VH	42
GMJZWD	42
J2FXXE	42
J3QZJD	42
J6G2P2	42
J99YP6	42
JABU6B	42
JKQQ33	42
LAJR6D	42
LFPNND	42
M3XEGX	42
MDD9UC	42
MYY3KX	42
N7XPBC	42
NKU4B7	42
NZR7X6	42
P2XZ7A	42
PEMW99	42

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 21 - Examination Questions	
WebCode	**Response**
PHLBTC	42
Q328NT	42
Q9QRRA	42
QCCAAU	42
QPXBKL	42
QR2H68	42
R9AVZA	42
RLZJF3	42
TBUXQF	42
TWBK68	42
UGDP88	42
UU4CNZ	42
UWP4P6	42
UWZRKH	42
UYTY99	42
VCZ8PQ	42
VMY6B6	42
VQXF86	42
VTKXPP	42
VVNQG3	42
W4XGJ7	42
W98U26	42
WPV8FW	42
XDH8J3	42
XURWW4	42
XV3YH3	42
Y8QK23	The answer to question 21 is 42
YCL3NU	42
YH86LY	42
Z2GJHK	42

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 21 - Examination Questions	
WebCode	**Response**
Z7XNEU	42
ZNNNZC	forty two

Question 21: After listening to the voicemail message stored on the phone, what is the answer to this question (question 21)?

Consensus Result: 42

Expected Response Explanation:

The only voicemail message stored on the phone is a GoogleVoice message stored in /data/data/com.google.android.apps.googlevoice/cache/audio/server conversation id=c.CihKSE9OTFdPWFdXTE5aSkxQUFNLVVlUUE1NWExVSEpOV1lRR0dHTVpKEAEmost recent event id=CihKSE9OTFdPWFdXTE5aSkxQUFNLVVlUUE1NWExVSEpOV1lRR0dHTVpKEAE.mp3.
When played, the mp3 contains the spoken words, "The answer to question twenty-one, is forty-two."

Expected Response Illustration:

Metadata for recorded voicemail message file

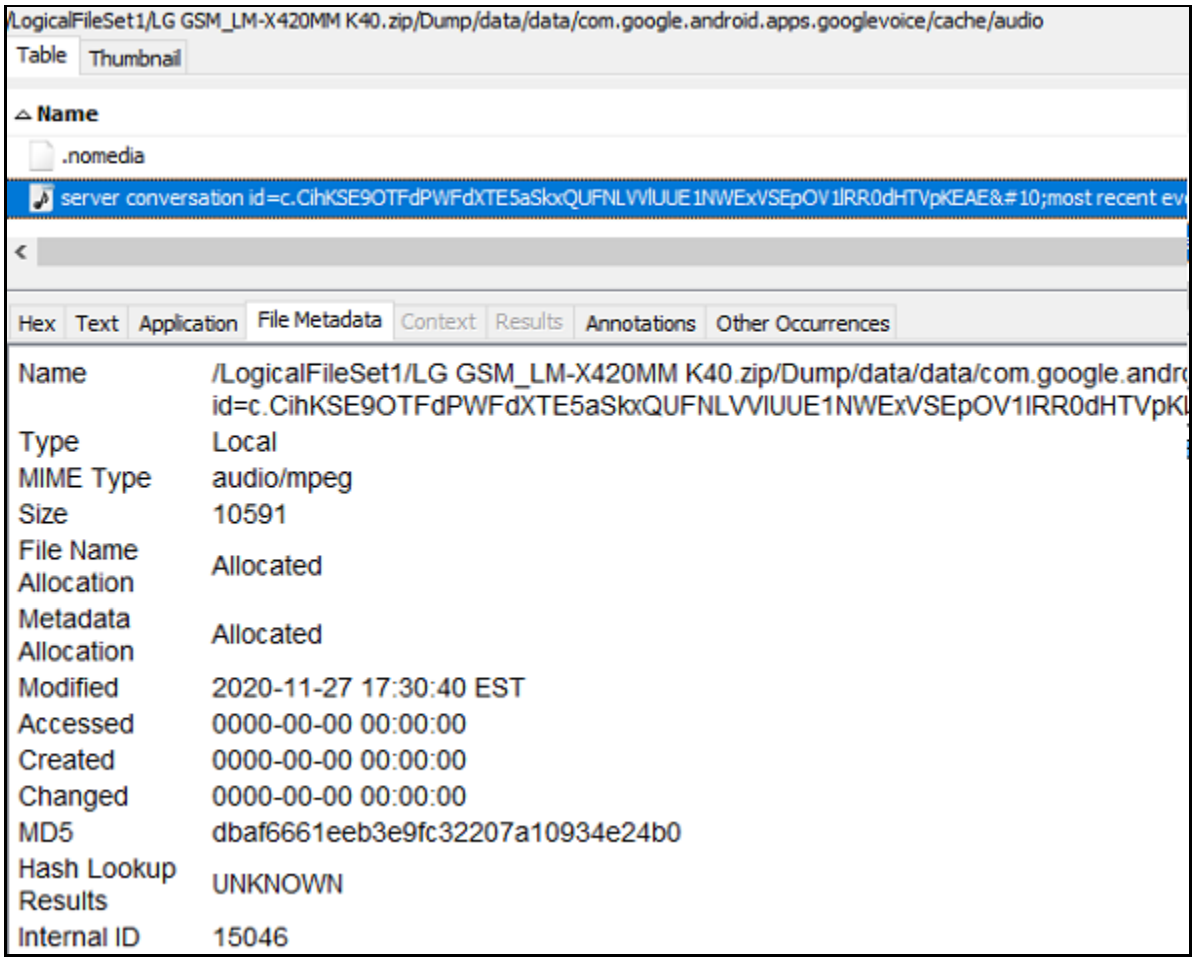


TABLE 1

Question 22 - Examination Questions

Question 22: How many unique UNREAD SMS messages are on the phone?

Manufacturer's Expected Response: 26

WebCode	Response
2MC97B	26(there are 26 unread messages.)
2QFHGZ	26
2V7RQX	16 SMS (+10 MMS)
3LETCX	There are 22 unread messages over 12 Messages
44E4VU	26
4K3EHW	26
4NRJQK	26
4TG3JQ	26
6GX8GW	26
6U42BU	13
7JBXVH	25
7JJCQE	26
8B2ZBT	24
8NQZ3V	26 unread SMS
9C78QQ	26
9HHYJC	26
B3F9DQ	26
B8BZLM	26
BEBE9A	24
BH92XQ	There are 26 total unread SMS messages on the phone that have unique IDs in the SMS database and unique timestamps before the time is converted. 25 unread SMS messages (unique after the time stamp is converted). 24 unread SMS messages have unique content (the body of the message).
BPQALN	26
BTU67Q	26
BUL4JP	25
BUZM4L	16* (see added note)
BVTL28	25 (there are 26 messages, one of which is duplicated)
C79P3P	26

TABLE 1

Question 22 - Examination Questions	
WebCode	**Response**
CBPXQN	Based on "Delivered" timestamps, there are 26 unique unread SMS messages. Based on "Timestamps," there are 25 unique unread SMS messages. The two SMS with the same "timestamp" of 11/28/2020 3:06:52pm (UTC+0) appear to be duplicates; however, they have different "Delivered" timestamps of 11/28/2020 3:06:51pm (UTC+0) and 11/28/2020 3:06:53pm (UTC+0).
CMW3GG	26
CNYNEH	25 (26 unread messages total, but messages with record ID's 42 and 43 have duplicate content but very slightly different timestamps)
CQKEFM	26 unread SMS messages have a unique timestamp. 24 of the 26 are unique by message text body.
DENLTG	26
E3NJJK	25
E8HDGL	26
EZZ9KE	26
FF8LEG	26
FHXMK6	26
FN2Q9H	25
G26EZC	26 messages.
G64QVC	26
G8R3VH	26
GMJZWD	26
J2FXXE	25
J3QZJD	26
J6G2P2	26
J99YP6	26
JABU6B	25
JKQQ33	26
LAJR6D	13
LFPNND	26
M3XEGX	25
MDD9UC	26
MYY3KX	26
N7XPBC	13
NKU4B7	25

TABLE 1

Question 22 - Examination Questions	
WebCode	**Response**
NZR7X6	25
P2XZ7A	26
PEMW99	24
PHLBTC	26
Q328NT	26
Q9QRRA	26
QCCAAU	26
QPXBKL	26
QR2H68	26
R9AVZA	14
RLZJF3	24
TBUXQF	24
TWBK68	26
UGDP88	26
UU4CNZ	26
UWP4P6	There are 26 unread SMS messages. However, there are 24 'unique' unread messages based on body content.
UWZRKH	26
UYTY99	26
VCZ8PQ	26
VMY6B6	26
VQXF86	26
VTKXPP	26
VVNQG3	39
W4XGJ7	n/a
W98U26	26(Total unread) 25(Different receive time) 24(Different content)
WPV8FW	There are 25 unique UNREAD SMS messages on the phone (if the date/time stamp is not considered). There are 26 UNREAD SMS messages on the phone but 1 message was resent/re-received at a different time meaning, there are only 25 UNREAD SMS messages with unique content on the phone.
XDH8J3	26
XURWW4	26
XV3YH3	26

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 22 - Examination Questions	
WebCode	**Response**
Y8QK23	26
YCL3NU	Not available
YH86LY	26
Z2GJHK	26
Z7XNEU	26 unread total but 16 of those are observed as sms despite being in the sms database tab
ZNNNZC	26

Question 22: How many unique UNREAD SMS messages are on the phone?

Consensus Result: Due to apparent abiguity of the question as it relates to the interpretation of the term "unique", the following answers of 25 and 26 were accepted. There were two messages with duplicate body content but unique timestamps and other identifiers, some participants may have counted these messages as one unique message resulting in the response of 25.

Expected Response Explanation:

SMS Message information is stored in /data/user_de/0/com.android.providers.telephony/databases/mmssms.db. The "sms" table stores messages and data about them. The "read" field indicates the read status of the message. There are 26 records with 0 in the read field indicating "unread".

Expected Response Illustration:

mmssms.db

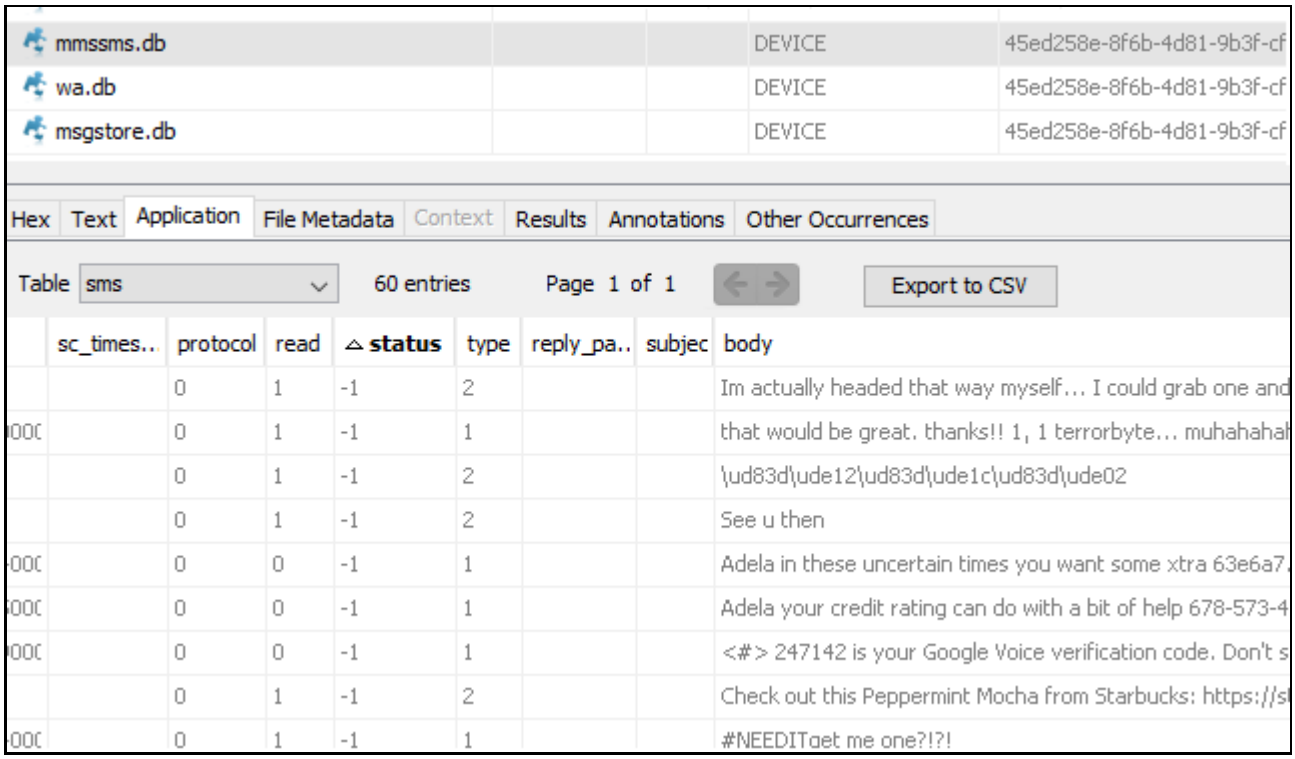


TABLE 1

Question 22 - Examination Questions

Cellebrite filter of mmssms.db

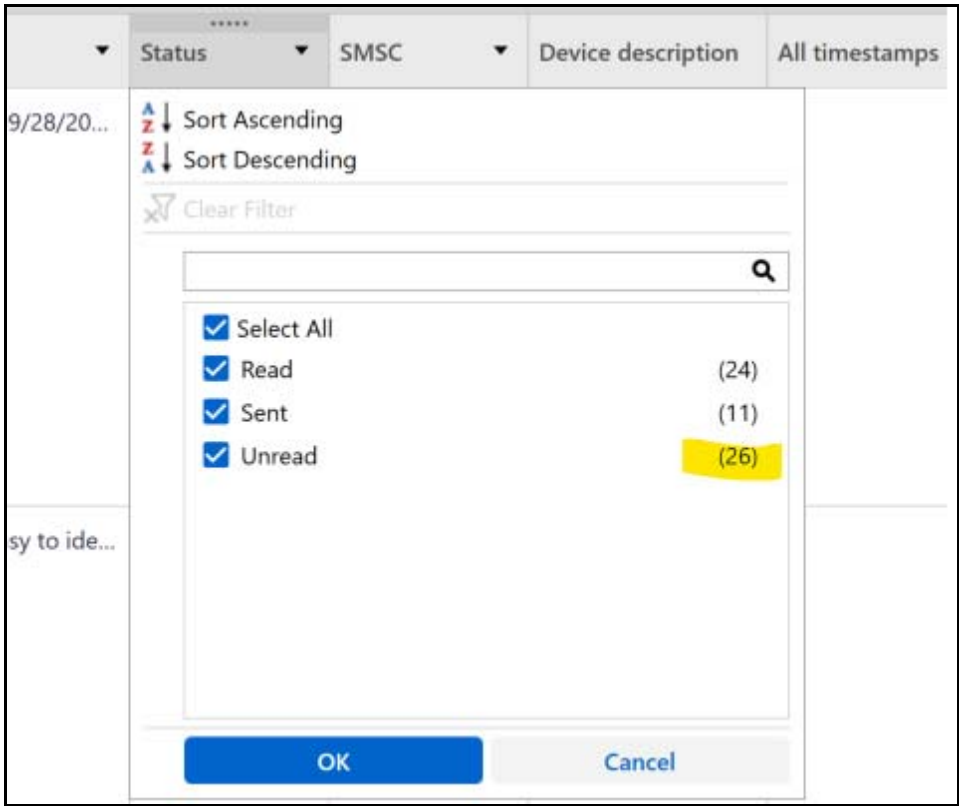


TABLE 1

Question 23 - Examination Questions

Question 23: Provide the content (text) of the SMS message SENT on 11/2/2020 at 1:36 PM UTC+0 ?

Manufacturer's Expected Response: Good morning!! How are you?

WebCode	Response
2MC97B	Good morning!! How are you?
2QFHGZ	Good morning!!How are you?
2V7RQX	Good morning!! How are you?
3LETCX	[Participant reported a hand-waving icon that could not be reproduced in this report.]
44E4VU	Good morning!! How are you?
4K3EHW	Good morning!! How are you?
4NRJQK	Good morning!! How are you?
4TG3JQ	Good morning!! How are you?
6GX8GW	Good morning!! How are you?
6U42BU	Good morning!! How are you?
7JBXVH	Good morning!! How are you?
7JJCQE	Good morning!! How are you?
8B2ZBT	Good morning!! How are you?
8NQZ3V	Good morning!! How are you?
9C78QQ	[Participant reported a hand-waving icon that could not be reproduced in this report.]
9HHYJC	Good morning!! How are you?
B3F9DQ	Good morning!! How are you?
B8BZLM	Good morning!! How are you?
BEBE9A	Good morning!! How are you?
BH92XQ	Good morning!! How are you?
BPQALN	Good morning !! How are you?
BTU67Q	Good morning!! How are you?
BUL4JP	Good morning!! How are you?
BUZM4L	Good morning!! How are you?
BVTL28	Good Morning !! How are you ?
C79P3P	Good morning!! How are you?
CBPXQN	Good morning!! How are you?
CMW3GG	Good morning!! How are you?

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 23 - Examination Questions	
WebCode	**Response**
CNYNEH	Good morning!! How are you?
CQKEFM	Good morning!! How are you?
DENLTG	Good morning!! How are you?
E3NJJK	Good morning!! How are you?
E8HDGL	Good morning!! How are you?
EZZ9KE	Good morning!! How are you?
FF8LEG	Good morning!!How are you?
FHXMK6	Good morning!! How are you?
FN2Q9H	Good morning!! How are you?
G26EZC	Good morning!! How are you?
G64QVC	Good morning!! How are you?
G8R3VH	Good morning!! How are you?
GMJZWD	Good morning!! How are you?
J2FXXE	Good morning!! How are you?
J3QZJD	Good morning!! How are you?
J6G2P2	Good morning!! How are you?
J99YP6	Good morning!! How are you?
JABU6B	Good morning!! How are you?
JKQQ33	Good Morning!! How are you?
LAJR6D	Good morning!! How are you?
LFPNND	Good morning!! How are you?
M3XEGX	Good morning!! How are you?
MDD9UC	Good morning!! How are you?
MYY3KX	Good Morning!! How are you?
N7XPBC	Good morning!! How are you?
NKU4B7	good morning!! How are you?
NZR7X6	Good morning!! How are you?
P2XZ7A	Good morning!! How are you?
PEMW99	Good morning!! How are you?
PHLBTC	Good morning!! How are you?

TABLE 1

Question 23 - Examination Questions	
WebCode	**Response**
Q328NT	Good morning!! How are you?
Q9QRRA	Good morning!! How are you?
QCCAAU	Good morning!! How are you?
QPXBKL	Good morning!! How are you?
QR2H68	Good morning!! How are you?
R9AVZA	There is not text. Only an icon. [Participant reported a hand-waving icon that could not be reproduced in this report.]
RLZJF3	Good Morning!! How are you?
TBUXQF	Good Morning!! How are you?
TWBK68	Good morning!! How are you?
UGDP88	1604324171000 - This is an emoji of a hand.
UU4CNZ	Good morning!! How are you?
UWP4P6	Good morning!! How are you?
UWZRKH	Good morning!! How are you?
UYTY99	Good morning!! How are you?
VCZ8PQ	Good morning!! How are you?
VMY6B6	Good morning!! How are you?
VQXF86	Good morning!! How are you?
VTKXPP	Good morning!! How are you?
VVNQG3	Good morning!! How are you?
W4XGJ7	emoji hamdwaving
W98U26	Good morning!! How are you?
WPV8FW	Good Morning!! How are you?
XDH8J3	Good morning!! How are you?
XURWW4	Good morning!! How are you?
XV3YH3	Good morning!! How are you?
Y8QK23	Good morning!! How are you?
YCL3NU	"Good morning!! How are you?"
YH86LY	Good morning!! How are you?
Z2GJHK	Good morning!! How are you?
Z7XNEU	Good Morning!! How are you?

TABLE 1

Question 23 - Examination Questions	
WebCode	**Response**
ZNNNZC	Good morning!! How are you?

Question 23: Provide the content (text) of the SMS message SENT on 11/2/2020 at 1:36 PM UTC+0 ?

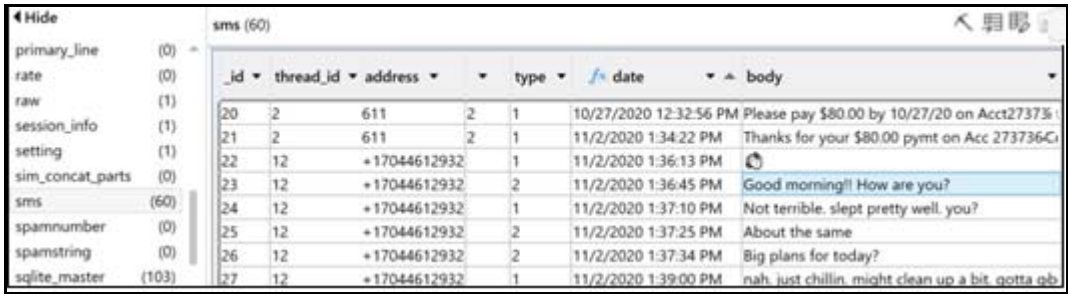
Consensus Result: Good morning!! How are you?

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 datestamp.

Expected Response Illustration:

mmssms.db "sms" table



_id	thread_id	address		type	date	body
20	2	611	2	1	10/27/2020 12:32:56 PM	Please pay $80.00 by 10/27/20 on Acct27373
21	2	611	2	1	11/2/2020 1:34:22 PM	Thanks for your $80.00 pymt on Acc 273736
22	12	+17044612932		1	11/2/2020 1:36:13 PM	
23	12	+17044612932		2	11/2/2020 1:36:45 PM	Good morning!! How are you?
24	12	+17044612932		1	11/2/2020 1:37:10 PM	Not terrible. slept pretty well. you?
25	12	+17044612932		2	11/2/2020 1:37:25 PM	About the same
26	12	+17044612932		2	11/2/2020 1:37:34 PM	Big plans for today?
27	12	+17044612932		1	11/2/2020 1:39:00 PM	nah. just chillin. might clean up a bit. gotta gb

TABLE 1

Question 24 - Examination Questions

Question 24: What email address is associated with the contact with the phone number (312) 747-4300?

Manufacturer's Expected Response: therealmarkeymarc@mail.com

WebCode	Response
2MC97B	therealmarkeymarc@mail.com
2QFHGZ	therealmarkeymarc@mail.com
2V7RQX	therealmarkeymarc@mail.com
3LETCX	therealmarkeymarc@mail.com
44E4VU	therealmarkeymarc@mail.com
4K3EHW	therealmarkeymarc@mail.com
4NRJQK	therealmarkeymarc@mail.com
4TG3JQ	therealmarkeymarc@mail.com
6GX8GW	therealmarkeymarc@mail.com
6U42BU	therealmarkeymarc@mail.com
7JBXVH	therealmarkeymarc@mail.com
7JJCQE	therealmarkeymark@mail.com
8B2ZBT	therealmarkeymarc@mail.com
8NQZ3V	Good morning!! How are you?
9C78QQ	therealmarkeymarc@mail.com
9HHYJC	therealmarkeymarc@mail.com
B3F9DQ	therealmarkeymarc@mail.com
B8BZLM	therealmarkeymarc@mail.com
BEBE9A	therealmarkeymarc@mail.com
BH92XQ	therealmarkeymarc@mail.com
BPQALN	theralmarkeymarc@mail.com
BTU67Q	therealmarkeymarc@mail.com
BUL4JP	therealmarkeymarc@mail.com
BUZM4L	therealmarkeymarc@mail.com
BVTL28	therealmarkeymarc@mail.com
C79P3P	therealmarkeymarc@mail.com
CBPXQN	therealmarkeymarc@mail.com
CMW3GG	therealmarkeymarc@mail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 24 - Examination Questions	
WebCode	**Response**
CNYNEH	therealmarkeymarc@mail.com
CQKEFM	therealmarkeymarc@mail.com
DENLTG	therealmarkeymarc@mail.com
E3NJJK	therealmarkeymarc@mail.com
E8HDGL	therealmarkeymarc@mail.com
EZZ9KE	therealmarkeymarc@mail.com
FF8LEG	therealmarkeymarc@mail.com
FHXMK6	therealmarkeymarc@mail.com
FN2Q9H	therealmarkeymarc@mail.com
G26EZC	therealmarkeymarc@mail.com
G64QVC	therealmarkeymarc@mail.com
G8R3VH	therealmarkeymarc@mail.com
GMJZWD	therealmarkeymarc@mail.com
J2FXXE	therealmarkeymarc@mail.com
J3QZJD	therealmarkeymarc@mail.com
J6G2P2	therealmarkeymarc@mail.com
J99YP6	therealmarkeymarc@mail.com
JABU6B	therealmarkeymarc@gmail.com
JKQQ33	threrealmarkeymarc@email.com
LAJR6D	therealmarkeymarc@mail.com
LFPNND	therealmarkeymarc@mail.com
M3XEGX	therealmarkeymarc@mail.com
MDD9UC	therealmarkeymarc@mail.com
MYY3KX	therealmarkeymarc@mail.com
N7XPBC	therealmarkeymarc@mail.com
NKU4B7	the realmarkeymarc@mail.com
NZR7X6	therealmarkeymarc@mail.com
P2XZ7A	therealmarkeymarc@mail.com
PEMW99	therealmarkeymarc@mail.com
PHLBTC	therealmarkeymarc@mail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 24 - Examination Questions	
WebCode	**Response**
Q328NT	therealmarkeymarc@mail.com
Q9QRRA	therealmarkeymarc@gmail.com
QCCAAU	therealmarkeymarc@mail.com
QPXBKL	therealmarkeymarc@mail.com
QR2H68	therealmarkeymarc@mail.com
R9AVZA	therealmarkeymarc@mail.com
RLZJF3	Therealmarkeymarc@mail.com
TBUXQF	therealmarkeymarc@mail.com
TWBK68	therealmarkeymarc@mail.com
UGDP88	therealmarkeymarc@mail.com
UU4CNZ	therealmarkeymarc@mail.com
UWP4P6	therealmarkeymarc@mail.com
UWZRKH	therealmarkeymarc@mail.com
UYTY99	therealmarkeymarc@mail.com
VCZ8PQ	therealmarkeymarc@mail.com
VMY6B6	therealmarkeymarc@mail.com
VQXF86	therealmarkeymarc@mail.com
VTKXPP	therealmarkeymarc@mail.com
VVNQG3	therealmarkeymarc@mail.com
W4XGJ7	therealmarkeymarc@gmail.com
W98U26	therealmarkeymarc@mail.com
WPV8FW	therealmarkymarc@mail.com
XDH8J3	therealmarkeymarc@mail.com
XURWW4	therealmarkeymarc@mail.com
XV3YH3	therealmarkeymarc@mail.com
Y8QK23	therealmarkeymarc@mail.com
YCL3NU	therealmarkeymarc@mail.com
YH86LY	therealmarkeymarc@mail.com
Z2GJHK	therealmarkeymarc@mail.com
Z7XNEU	therealmarkeymarc@mail.com

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 24 - Examination Questions	
WebCode	**Response**
ZNNNZC	Good morning!! How are you?

Question 24: What email address is associated with the contact with the phone number (312) 747-4300?

Consensus Result: therealmarkeymarc@mail.com

Expected Response Explanation:

Contact information is stored in /data/data/com.android.providers.contacts/databases/contacts2.db. A review of this database for (312) 747-4300 finds an entry in the phone_lookup table with "raw_contact_id" of "6" for "Mark Floorberg." In the "data" table records for raw_contact_id lists the email address therealmarkeymarc@mail.com.

Expected Response Illustration:

contacts2.db

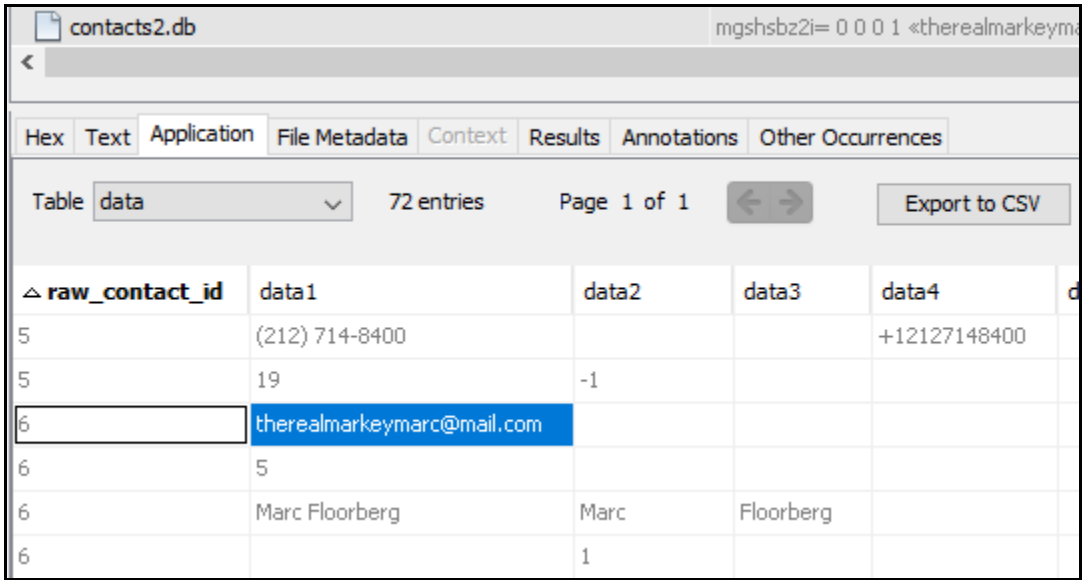


TABLE 1

Question 25 - Examination Questions

Question 25: What status does the call log database show for the call on 12/1/2020 at 3:27:02? (Choose from the following: Answered, Outgoing, Missed, Voicemail, Rejected, Blocked, WiFi)

Manufacturer's Expected Response: Rejected

WebCode	Response
2MC97B	Rejected
2QFHGZ	Incoming/ Rejected
2V7RQX	Rejected
3LETCX	Rejected
44E4VU	Rejected
4K3EHW	Rejected
4NRJQK	Rejected
4TG3JQ	Rejected
6GX8GW	Rejected
6U42BU	Rejected
7JBXVH	Rejected
7JJCQE	Rejected
8B2ZBT	Rejected
8NQZ3V	Rejected
9C78QQ	Rejected
9HHYJC	Rejected
B3F9DQ	Rejected
B8BZLM	Rejected
BEBE9A	Rejected
BH92XQ	Rejected
BPQALN	Rejected
BTU67Q	Rejected
BUL4JP	Rejected
BUZM4L	Rejected
BVTL28	Rejected
C79P3P	Rejected
CBPXQN	Rejected

TABLE 1

Question 25 - Examination Questions	
WebCode	**Response**
CMW3GG	Rejected
CNYNEH	Rejected
CQKEFM	Rejected
DENLTG	Rejected
E3NJJK	Rejected
E8HDGL	Rejected
EZZ9KE	Rejected
FF8LEG	Rejected
FHXMK6	Rejected
FN2Q9H	Rejected
G26EZC	Rejected.
G64QVC	Rejected
G8R3VH	Rejected
GMJZWD	Rejected
J2FXXE	Rejected
J3QZJD	Rejected
J6G2P2	Rejected
J99YP6	Rejected
JABU6B	Rejected
JKQQ33	Rejected
LAJR6D	Rejected
LFPNND	Rejected
M3XEGX	Rejected
MDD9UC	Rejected
MYY3KX	Rejected
N7XPBC	Rejected
NKU4B7	Rejected
NZR7X6	Rejected
P2XZ7A	Declined Call
PEMW99	Rejected

TABLE 1

Question 25 - Examination Questions	
WebCode	**Response**
PHLBTC	Rejected
Q328NT	Rejected
Q9QRRA	Rejected
QCCAAU	Rejected
QPXBKL	Rejected
QR2H68	Rejected
R9AVZA	Rejected
RLZJF3	Rejected
TBUXQF	Rejected
TWBK68	Rejected
UGDP88	Rejected (Incoming). ***Forensic Note, there is no 03:27:02, but there is a 15:27:02 and it is assumed this is the time you are asking for.
UU4CNZ	Rejected
UWP4P6	Rejected
UWZRKH	Rejected
UYTY99	Rejected
VCZ8PQ	Rejected
VMY6B6	Rejected
VQXF86	Rejected
VTKXPP	Rejected
VVNQG3	Rejected
W4XGJ7	Rejected
W98U26	Rejected
WPV8FW	Rejected
XDH8J3	Rejected
XURWW4	Rejected
XV3YH3	Rejected
Y8QK23	Rejected
YCL3NU	Rejected
YH86LY	Rejected
Z2GJHK	Rejected

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 25 - Examination Questions	
WebCode	**Response**
Z7XNEU	Rejected (Assuming the time zone to be UTC + 0, the question does not specify)
ZNNNZC	Outgoing

Question 25: What status does the call log database show for the call on 12/1/2020 at 3:27:02? (Choose from the following: Answered, Outgoing, Missed, Voicemail, Rejected, Blocked, WiFi)

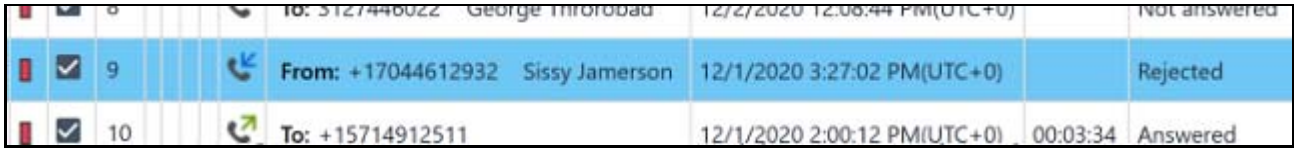
Consensus Result: Rejected

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 above call (in the calls table) with the status of "5" which indicates that the call was rejected.

Expected Response Illustration:

Cellebrite "Call Log" table selection showing call on 12/1/2020 at 3:27:02



calllog.db

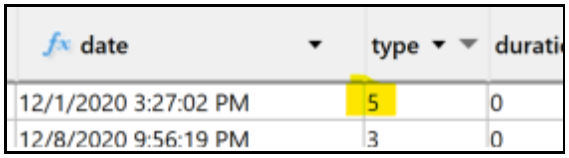


TABLE 1

Question 26 - Examination Questions

Question 26: What phone number called the phone on December 1, 2020 at 1:52:15 PM UTC?

Manufacturer's Expected Response: +18032129631

WebCode	Response
2MC97B	+18032129631
2QFHGZ	+18032129631
2V7RQX	18032129631
3LETCX	+18032129631
44E4VU	+18032129631
4K3EHW	+18032129631
4NRJQK	+18032129631
4TG3JQ	+18032129631
6GX8GW	+18032129631
6U42BU	+18032129631
7JBXVH	18032129631
7JJCQE	1-803-212-9631
8B2ZBT	+18032129631
8NQZ3V	+18032129631therealmarkeymarc@mail.com
9C78QQ	+18032129631
9HHYJC	+18032129631
B3F9DQ	+18032129631
B8BZLM	+18032129631
BEBE9A	+18032129631
BH92XQ	18032129631
BPQALN	1(803) 212-9631
BTU67Q	+18032129631
BUL4JP	+18032129631
BUZM4L	18032129631
BVTL28	0180 321 9631
C79P3P	+18032129631
CBPXQN	+18032129631
CMW3GG	+18032129631

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 26 - Examination Questions	
WebCode	**Response**
CNYNEH	+18032129631
CQKEFM	803-212-9631
DENLTG	+18032129631
E3NJJK	+18032129631
E8HDGL	+18032129631
EZZ9KE	+18032129631
FF8LEG	+18032129631
FHXMK6	18032129631
FN2Q9H	+18032129631
G26EZC	+18032129631
G64QVC	+18032129631
G8R3VH	18032129631
GMJZWD	+18032129631
J2FXXE	+18032129631
J3QZJD	+18032129631
J6G2P2	+18032129631
J99YP6	+18032129631
JABU6B	+18032129631
JKQQ33	18032129631
LAJR6D	18032129631
LFPNND	+18032129631
M3XEGX	18032129631
MDD9UC	+18032129631
MYY3KX	18032129631
N7XPBC	+18032129631
NKU4B7	+18032129631
NZR7X6	+18032129631
P2XZ7A	18032129631
PEMW99	18032129631
PHLBTC	18032129631

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 26 - Examination Questions	
WebCode	**Response**
Q328NT	+18032129631
Q9QRRA	+18032129631
QCCAAU	18032129631
QPXBKL	+18032129631
QR2H68	+18032129631
R9AVZA	+18032129631
RLZJF3	1-803-212-9631
TBUXQF	+18032129631
TWBK68	+18032129631
UGDP88	+18032129631
UU4CNZ	+18032129631
UWP4P6	8032129631 (803-212-9631)
UWZRKH	+18032129631
UYTY99	+18032129631
VCZ8PQ	18032129631
VMY6B6	1-803-212-9631
VQXF86	+18032129631
VTKXPP	18032129631
VVNQG3	+18032129631
W4XGJ7	+18032129631
W98U26	+18032129631
WPV8FW	+18032129631
XDH8J3	+18032129631
XURWW4	+18032129631
XV3YH3	+18032129631
Y8QK23	+18032129631
YCL3NU	+18032129631
YH86LY	+18032129631
Z2GJHK	+18032129631
Z7XNEU	18032129631

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 26 - Examination Questions	
WebCode	**Response**
ZNNNZC	(803)-212-9631

Question 26: What phone number called the phone on December 1, 2020 at 1:52:15 PM UTC?

Consensus Result: +18032129631 and other formats of the same information

Expected Response Explanation:

Call log data is stored in /data/data/com.android.providers.contacts/databases/calllog.db.
A review of the log for calls on December 1, 2020 at 1:52:15 PM UTC identifies the calling number as +18032129631.

Expected Response Illustration:

Cellebrite "Call Log" table selection showing call on December 1, 2020 at 1:52:15 PM UTC

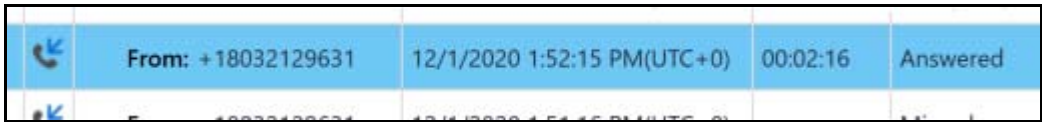


TABLE 1

Question 27 - Examination Questions

Question 27: What was the time duration of the (answered) call to "Thomas Wolf" on November 30, 2020?

Manufacturer's Expected Response: 00:00:49 or 49 seconds

WebCode	Response
2MC97B	49 Sec
2QFHGZ	00:00:49
2V7RQX	00:00:49
3LETCX	00:00:49
44E4VU	00:00:49
4K3EHW	00:00:49
4NRJQK	00:00:49
4TG3JQ	00:00:49 , ie 49 seconds
6GX8GW	00:00:49
6U42BU	00:00:49
7JBXVH	00:00:40
7JJCQE	00:00:49
8B2ZBT	00:00:49
8NQZ3V	00:00:49
9C78QQ	00:00:49
9HHYJC	49 seconds
B3F9DQ	00:00:49
B8BZLM	00:00:49
BEBE9A	00:00:49
BH92XQ	00:00:49 (49 seconds)
BPQALN	00:00:49
BTU67Q	49 Seconds
BUL4JP	49 seconds
BUZM4L	00:00:49
BVTL28	49 seconds
C79P3P	00:00:49
CBPXQN	00:00:49

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 27 - Examination Questions	
WebCode	**Response**
CMW3GG	00:00:49
CNYNEH	49 seconds
CQKEFM	49 Seconds
DENLTG	00:00:49
E3NJJK	00:00:49
E8HDGL	00:00:49
EZZ9KE	00:00:49
FF8LEG	00:00:49 (hour:min:sec)
FHXMK6	00:00:49
FN2Q9H	49 seconds
G26EZC	49 seconds.
G64QVC	49 seconds
G8R3VH	00:00:49
GMJZWD	49 seconds (00:00:49)
J2FXXE	49 sec (00:00:49)
J3QZJD	00:00:49
J6G2P2	00:00:49
J99YP6	00:00:49
JABU6B	00:00:49
JKQQ33	00:00:49
LAJR6D	00:00:49
LFPNND	00.00.49
M3XEGX	00:00:49
MDD9UC	00:00:49
MYY3KX	00:00:49
N7XPBC	00:00:49
NKU4B7	00:00:49
NZR7X6	00:00:49
P2XZ7A	49 seconds
PEMW99	00:00:49 or 49 seconds

TABLE 1

Question 27 - Examination Questions	
WebCode	**Response**
PHLBTC	00:00:49
Q328NT	49
Q9QRRA	00:00:49
QCCAAU	00:00:49 or 49 seconds
QPXBKL	00:00:49
QR2H68	00:00:49
R9AVZA	00:00:49
RLZJF3	00:00:49
TBUXQF	00:00:49
TWBK68	00:00:49
UGDP88	00:00:49
UU4CNZ	49 seconds
UWP4P6	00:00:49 (49 seconds)
UWZRKH	00:00:49
UYTY99	49 (Seconds)
VCZ8PQ	49
VMY6B6	00:00:49
VQXF86	00:00:49
VTKXPP	00:00:49
VVNQG3	00:00:49
W4XGJ7	00:00:49
W98U26	00:00:49
WPV8FW	49 seconds
XDH8J3	00:00:49
XURWW4	00:00:49
XV3YH3	00:00:49
Y8QK23	00:00:49
YCL3NU	00:00:49
YH86LY	00:00:49
Z2GJHK	49 seconds

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 27 - Examination Questions	
WebCode	**Response**
Z7XNEU	49 seconds
ZNNNZC	00:00:49 Sec

Question 27: What was the time duration of the (answered) call to "Thomas Wolf" on November 30, 2020?

Consensus Result: 00:00:49 or 49 seconds

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 calls on November 30th to Thomas Wolf

To: 8282504752	Thomas Wolf	11/30/2020 8:55:03 PM(UTC+0)	00:00:49	Answered
To: 8282504752	Thomas Wolf	11/30/2020 1:34:40 PM(UTC+0)		Not answered

TABLE 1

Question 28 - Examination Questions

Question 28: What was the date and time of the LAST answered incoming call? Provide the answer in UTC using the following format: MM/DD/YYYY HH:MM AM/PM (UTC+0).

Manufacturer's Expected Response: 12/04/2020 03:21 PM (UTC+0)

WebCode	Response
2MC97B	12/01/2020 01:52 PM
2QFHGZ	12/04/2020 03:21:52 PM (UTC+0)
2V7RQX	12/04/2020 03:21 PM (UTC+0)
3LETCX	04/12/2020 15:21:52 (UTC+0)
44E4VU	12/04/2020 03:21 PM (UTC+0)
4K3EHW	12/04/2020 3:21 PM
4NRJQK	Requested Format: 12/04/2020 15:21 PM (UTC+0) (Timestamp as shown within extraction: 04/12/2020 15:21:52(UTC+0)
4TG3JQ	12/04/2020 03:21:52 PM (UTC+0)
6GX8GW	12/1/2020 1:52:15 PM (UTC+0)
6U42BU	12/04/2020 15:21:52 (UTC+0)
7JBXVH	12/04/2020 03:21 PM
7JJCQE	12/4/2020 3
8B2ZBT	12/04/2020 03:21 PM (UTC+0)
8NQZ3V	04/12/2020 15:21:52 (UTC+0)
9C78QQ	12/09/2020 09:47 PM (UTC+0)
9HHYJC	12/04/2020 03:21 PM (UTC+0)
B3F9DQ	12/04/2020 15:21 PM (UTC+0)
B8BZLM	12/4/2020 15:21 (UTC+0)
BEBE9A	12/4/2020 3:21:52 PM (UTC+0)
BH92XQ	12/04/2020 03:21 PM (UTC+0)
BPQALN	12/04/2020 03:21:52 PM (UTC+0)
BTU67Q	12/04/2020 15:21 PM (UTC+0)
BUL4JP	12/04/2020 03:21 PM (UTC+0)
BUZM4L	12/04/2020 03:21 PM (UTC+0)
BVTL28	12/04/2020 03:21 PM (UTC+0)
C79P3P	12/1/2020 1:52:15 PM (UTC+0)
CBPXQN	12/04/2020 03:21 PM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 28 - Examination Questions	
WebCode	**Response**
CMW3GG	12/04/2020 03:21 PM (UTC+0)
CNYNEH	12/04/2020 03:21 PM (UTC+0)
CQKEFM	12/04/2020 3:21 PM (UTC+0)
DENLTG	12/04/2020 03:21 PM (UTC+0)
E3NJJK	12/04/2020 03:21 PM (UTC+0)
E8HDGL	12/04/2020 15:21 (UTC+0)
EZZ9KE	12/04/2020 03:21 PM (UTC+0)
FF8LEG	12/04/2020 3:21 PM (UTC+0)
FHXMK6	12/04/2020 03:21 PM (UTC+0)
FN2Q9H	12/04/2020 03:21 PM
G26EZC	12/04/2020 03:21 PM (UTC+0).
G64QVC	12/04/2020 03:21 PM (UTC+0)
G8R3VH	12/04/2020 3:21:52 PM (UTC+0)
GMJZWD	12/04/2020 03:21 PM
J2FXXE	12/04/2020 03:21 PM
J3QZJD	12/04/2020 03:21 PM (UTC+0)
J6G2P2	12/04/2020 03:21 PM (UTC+0)
J99YP6	12/04/2020 03:21 PM (UTC+0)
JABU6B	12/4/2020 3:21 PM (UTC+0)
JKQQ33	12/4/2020 03:21:52 PM (UTC+0)
LAJR6D	12/4/2020 3:21:52 PM (UTC+0)
LFPNND	12/04/2020 03:21 PM
M3XEGX	12/04/2020 03:21 PM
MDD9UC	12/04/2020 03:21 PM (UTC+0)
MYY3KX	12/04/2020 03:21 PM (UTC+0)
N7XPBC	12/04/2020 03:21 PM (UTC+0)
NKU4B7	12/04/2020 3:21pm (UTC+0)
NZR7X6	12/04/2020 03:21 PM (UTC+0)
P2XZ7A	12/4/2020 22:21 PM (UTC+0)
PEMW99	12/04/2020 03:21 PM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 28 - Examination Questions	
WebCode	**Response**
PHLBTC	12/4/2020 03:21 PM (UTC+0)
Q328NT	12/04/2020 03:21 PM (UTC+0)
Q9QRRA	12/04/2020 15:21 PM (UTC+0)
QCCAAU	12/04/2020 3:21 PM (UTC+0)
QPXBKL	12/04/2020 15:21 PM (UTC+0)
QR2H68	12/04/2020 03:21 PM (UTC+0)
R9AVZA	12/04/2020 03:21 PM (UTC+0)
RLZJF3	12/04/2020 3:21 PM (UTC+0)
TBUXQF	12/04/2020 03:21 PM (UTC+0)
TWBK68	12/04/2020 15:21:52 (UTC+0)
UGDP88	12/04/2020 03:21 PM (UTC+0)
UU4CNZ	12/04/2020 03:21:52 PM (UTC+0)
UWP4P6	12/04/2020 03:21 PM (UTC+0)
UWZRKH	12/04/2020 03:21 PM (UTC+0)
UYTY99	12/04/2020 3:21 PM (UTC+0)
VCZ8PQ	12/04/2020 03:21 PM (UTC+0)
VMY6B6	12/04/2020 03:21 PM (UTC+0)
VQXF86	12/04/2020 03:21 PM (UTC+0)
VTKXPP	12/04/2020 03:21 PM (UTC+0)
VVNQG3	12/4/2020 03:21 PM (UTC+0)
W4XGJ7	12/04/2020 3:21 PM (UTC+0)
W98U26	12/04/2020 03:21 PM (UTC+0)
WPV8FW	12/04/2020 03:21 PM (UTC+0) (The format HH:MM AM/PM is not a format commonly used in the UK. I have researched how this should look and although it appears the time should not be given in a 24hr format there appears to be no clear guidance to define if the preceding 'hour' zero should be dropped).
XDH8J3	12/04/2020 03:21 PM (UTC+0)
XURWW4	12/04/2020 15:21 PM (UTC+0)
XV3YH3	12/04/2020 15:21:52 (UTC+0)
Y8QK23	9/12/2020 21:47:05 (UTC+0)
YCL3NU	4/12/2020 3:21:52 PM (UTC+0)
YH86LY	12/04/2020 03:21 PM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 28 - Examination Questions	
WebCode	**Response**
Z2GJHK	12/04/2020 03:21 PM
Z7XNEU	12/04/2020 03:21 PM (UTC+0)
ZNNNZC	12/04/2020 03:21 PM

Question 28: What was the date and time of the LAST answered incoming call? Provide the answer in UTC using the following format: MM/DD/YYYY HH:MM AM/PM (UTC+0).

Consensus Result: 12/04/2020 03:21 PM (UTC+0) and all formatting styles including different time zones which represent the same information.

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 reveals that the last incoming call was answered at 12/04/2020 03:21:52 PM (UTC+0).

Expected Response Illustration:

Cellebrite "Call Log" table selection showing answered call

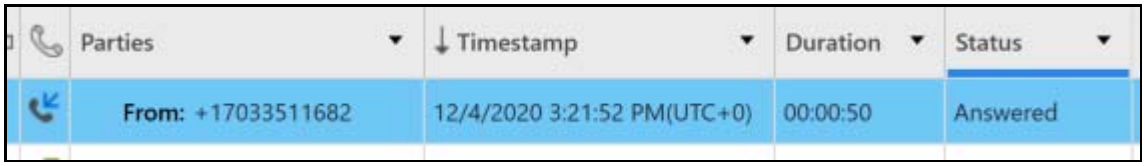


TABLE 1

Question 29 - Examination Questions

Question 29: What is the user's Instagram account username?

Manufacturer's Expected Response: jamersongordon

WebCode	Response
2MC97B	Gordon Jamerson
2QFHGZ	Gordon Jamerson
2V7RQX	jamersongordon
3LETCX	jamersongordon
44E4VU	Jamersongordon
4K3EHW	jamesongordon
4NRJQK	jamersongordon
4TG3JQ	jamersongordon
6GX8GW	jamersongordon
6U42BU	jamersongordon
7JBXVH	jamersongordon
7JJCQE	jamersongordon
8B2ZBT	jamersongordon
8NQZ3V	jamersongordon
9C78QQ	Gordon Jamerson
9HHYJC	jamersongordon
B3F9DQ	jamersongordon
B8BZLM	jamersongordon
BEBE9A	jamersongordon
BH92XQ	jamersongordon
BPQALN	jamersongordon
BTU67Q	jamersongordon
BUL4JP	jamersongordon
BUZM4L	jamersongordon
BVTL28	Jamersongordon
C79P3P	jamersongordon
CBPXQN	Jamersongordon
CMW3GG	jamersongordon

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 29 - Examination Questions	
WebCode	**Response**
CNYNEH	jamersongordon
CQKEFM	jamersongordon
DENLTG	jamersongordon
E3NJJK	jamersongordon
E8HDGL	jamersongordon
EZZ9KE	jamersongordon
FF8LEG	jamersongordon
FHXMK6	jamersongordon
FN2Q9H	jamersongordon
G26EZC	jamersongordon
G64QVC	jamersongordon
G8R3VH	Jamersongordon
GMJZWD	jamersongordon
J2FXXE	jamersongordon
J3QZJD	jamersongordon
J6G2P2	jamersongordon
J99YP6	jamersongordon
JABU6B	jamersongordon
JKQQ33	Jamersongordon
LAJR6D	Gordon Jamerson
LFPNND	jamersongordon
M3XEGX	jamersongordon
MDD9UC	jamersongordon
MYY3KX	jamersongordon
N7XPBC	jamersongordon
NKU4B7	jamersongordon
NZR7X6	jamersongordon
P2XZ7A	jamersongordon
PEMW99	jamersongordon
PHLBTC	jamersongordon

TABLE 1

Question 29 - Examination Questions	
WebCode	**Response**
Q328NT	jamersongordon
Q9QRRA	jamersongordon
QCCAAU	jamersongordon
QPXBKL	jamersongordon
QR2H68	jamersongordon
R9AVZA	jamersongordon
RLZJF3	Jamersongordon
TBUXQF	jamersongordon
TWBK68	jamersongordon
UGDP88	jamersongordon
UU4CNZ	jamersongordon
UWP4P6	jamersongordon
UWZRKH	jamersongordon
UYTY99	Jamersongordon
VCZ8PQ	jamersongordon
VMY6B6	jamersongordon
VQXF86	jamersongordon
VTKXPP	jamersongordon
VVNQG3	7036499750
W4XGJ7	Jamersongordon
W98U26	jamersongordon
WPV8FW	jamersongordon
XDH8J3	jamersongordon
XURWW4	jamersongordon
XV3YH3	jamersongordon
Y8QK23	jamersongordon
YCL3NU	Gordon Jamerson
YH86LY	jamersongordon
Z2GJHK	jamersongordon
Z7XNEU	jamersongordon

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 29 - Examination Questions	
WebCode	**Response**
ZNNNZC	4381174114

Question 29: What is the user's Instagram account username?

Consensus Result: jamersongordon

Expected Response Explanation:

The account username can be found in settings and preferences for the Instagram app stored in /data/data/com.instagram.android/shared_prefs/com.instagram.android_preferences.xml.

Expected Response Illustration:

com.instagram.android_preferences.xml

Cellebrite User account pane for Instagram

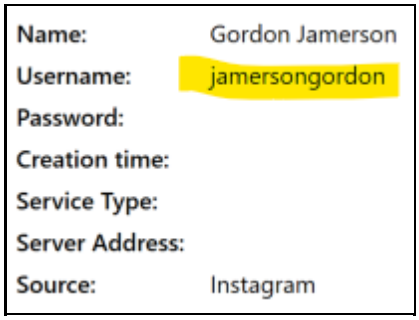


TABLE 1

Question 30 - Examination Questions

Question 30: What cryptocurrency related app(s) did the user install?

Manufacturer's Expected Response: BitPay, and BRD or Bread Wallet and variations of this response

WebCode	Response
2MC97B	BRD Bitcoin Wallet. BTC, Bitcon Cash, Ethereum. BitPay - Buy Crypto
2QFHGZ	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
2V7RQX	"BitPay - Buy Crypto" and "BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum" (com.bitpay.wallet and com.breadwallet)
3LETCX	BitPay - Buy Crypto and BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
44E4VU	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum and BitPay - Buy Crypto
4K3EHW	BRD Bitcoin Wallet. BitPay - Buy Crypto
4NRJQK	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum BitPay - Buy Crypto
4TG3JQ	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
6GX8GW	Bitpay and BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
6U42BU	BitPay - Buy Crypto. BRD Bitcoin Wallet, BTC, Bitcoin Cash, Ethereum
7JBXVH	BRD Bitcoin Wallet. BitPay
7JJCQE	BRD Bitcoin Wallet, Bit Pay-Buy Crypto, Bit Coin Cash
8B2ZBT	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum (Bread Wallet) BitPay - Buy Crypto (BitPay Wallet)
8NQZ3V	BitPay - Buy Crypto V11.0.4, BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum V4.5.6.
9C78QQ	BitPay Buy Crypto, BRD Bitcoin Wallet
9HHYJC	BRD Bitcoin Wallet and BitPay
B3F9DQ	BitPay – Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
B8BZLM	BitPay and BRD Bitcoin Wallet
BEBE9A	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
BH92XQ	"BitPay - Buy Crypto" and "BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum"
BPQALN	Bit Pay
BTU67Q	"BitPay", "BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum"
BUL4JP	com.bitpay.waller: BitPay, com.breadwallet: BRD Bitcoin wallet
BUZM4L	BRD Bitcoin Wallet, BitPay
BVTL28	BitPay - Buy Crypto, BRD Bitcoin Wallet BTC
C79P3P	Bitpay. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
CBPXQN	"BitPay – Buy Crypto" and "BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum"

TABLE 1

Question 30 - Examination Questions	
WebCode	**Response**
CMW3GG	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum and BitPay - Buy Crypto
CNYNEH	BitPay, BRD Bitcoin Wallet
CQKEFM	BitPay and Breadwallet(BRD Bitcoin Wallet)
DENLTG	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum. BitPay - Buy Crypto
E3NJJK	BitPay and BRDBitcoin Wallet
E8HDGL	com.breadwallet, com.bitpay.wallet
EZZ9KE	BitPay – Buy Crypto. BRD Bitcoin Wallet
FF8LEG	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum BitPay - Buy Crypto
FHXMK6	Bitpay and BRD Bitcoin Wallet
FN2Q9H	BitPay, Bread Wallet (BRD) Bitcoin Wallet
G26EZC	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum.
G64QVC	BitPay - Buy Crypto / BRD Bitcoin Wallet
G8R3VH	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum BitPay – Buy Crypto
GMJZWD	BitPay - Buy Crypto and BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
J2FXXE	BitPay - BRD Bitcoin Wallet
J3QZJD	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
J6G2P2	BRD Bitcoin Wallet and BitPay
J99YP6	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum (com.breadwallet). BitPay - Buy Crypto (com.bitpay.wallet)
JABU6B	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum. BitPay - Buy Crypto
JKQQ33	BRD Bitcoin Wallet Bitpay.wallet
LAJR6D	BitPay and BRD Bitcoin Wallet
LFPNND	BitPay - Buy Crypto BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
M3XEGX	Bitpay, BRD Bitcoin Wallet
MDD9UC	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum BitPay - Buy Crypto
MYY3KX	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum. BitPay - Buy Crypto
N7XPBC	BitPay - Buy Crypto & BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereu
NKU4B7	BRD bitcoin wallet, BTC, Bitcoin cash, Ethereum. Bitpay - buy Crypto
NZR7X6	BitPay BRD
P2XZ7A	BitPay and BRDBitcoin Wallet
PEMW99	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum and BitPay - Buy Crypto

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 30 - Examination Questions	
WebCode	**Response**
PHLBTC	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum / BitPay - Buy Crypto
Q328NT	BitPay, BRD
Q9QRRA	BitPay, BRD Bitcoin Wallet
QCCAAU	BRD Bitcoin Wallet, BitPay
QPXBKL	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
QR2H68	BitPay - Buy Crypto, BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
R9AVZA	1. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum 2. BitPay - Buy Crypto
RLZJF3	Bit Pay – Buy crypto BRD bitcoin wallet, BTC, Bitcoin cash, Ethereum
TBUXQF	BitPay – BuyCrypto and BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum.
TWBK68	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
UGDP88	BitPay and BRD Bitcoin Wallet
UU4CNZ	BitPay and BRD Bitcoin Wallet
UWP4P6	1.BitPay - Buy Crypto, 2.BRD Bitcoin Wallet.
UWZRKH	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
UYTY99	Bit Pay. BRD Bitcoin Wallet
VCZ8PQ	BitPay – Buy Crypto BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
VMY6B6	BRD Bitcoin Wallet. BitPay
VQXF86	BitPay - Buy Crypto. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
VTKXPP	BitPay- Buy Crypto BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum
VVNQG3	BitPay - Buy Crypto Breadwallet
W4XGJ7	Bitpay - BuyCrupto, BRD Bitcoin Wallet
W98U26	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum BitPay - Buy Crypto
WPV8FW	BitPay and BRD BitCoin Wallet (BitPay is showing on the phone as “BitPay-Buy Crypto” and BRD BitCoin Wallet is showing on the phone as “BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum”).
XDH8J3	BitPay - Buy Crypto
XURWW4	BitPay BRD
XV3YH3	BitPay BRD
Y8QK23	-BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum -BitPay - Buy Crypto
YCL3NU	BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum BitPay - Buy Crypto
YH86LY	“BitPay – Buy Crypto”, “BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum”
Z2GJHK	BitPay BRD Bitcoin Wallet

TABLE 1

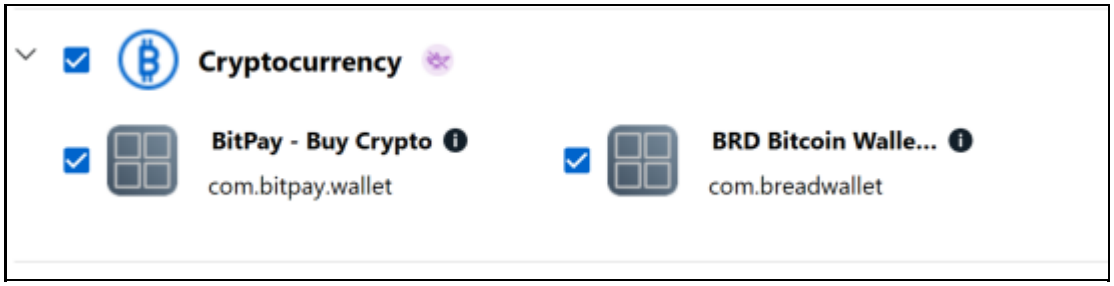
Question 30 - Examination Questions	
WebCode	**Response**
Z7XNEU	Bitpay, BRD Bitcoin Wallet
ZNNNZC	BRD Bitcoin Wallet. BTC, Bitcon Cash, Ethereum

Question 30: What cryptocurrency related app(s) did the user install?

Consensus Result: BitPay, and BRD or Bread Wallet and variations of this response

Expected Response Explanation:
Information about installed applications is stored in /data/data/com.android.vending/databases/localappstate.db. Reviewing this file finds two cryptocurrency related apps, Bitpay and BRD Bitcoin Wallet.

Expected Response Illustration:
cellebrite application insights



localappstate.db

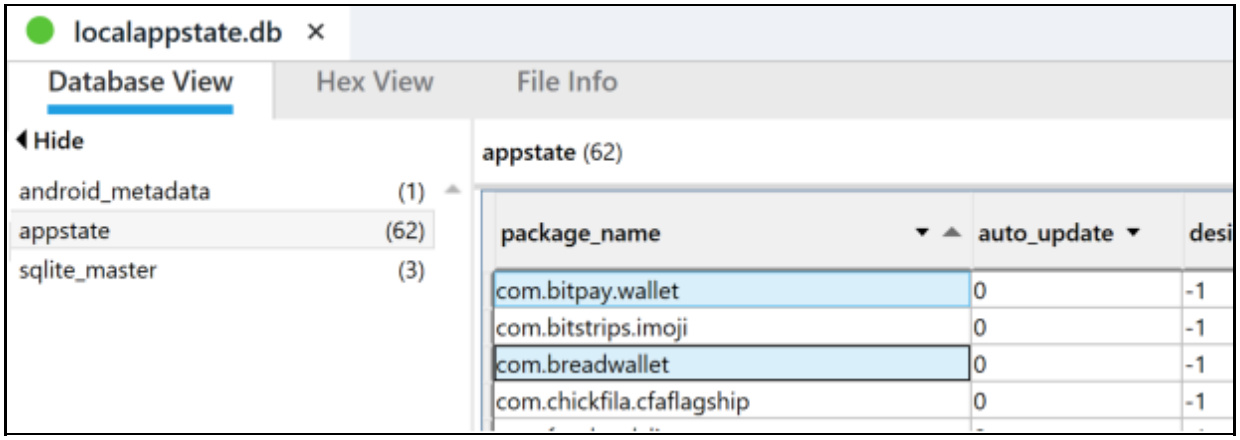


TABLE 1

Question 31 - Examination Questions

Question 31: Describe the content of the file with MD5 Hash a5c245f0e727ff0add7d286f1c104be0.

Manufacturer's Expected Response: Reference to a cat (kitten) licking spoon and variations of this description

WebCode	Response
2MC97B	This file is a video cache file and is played for about 1 second (Original file : 6 Sec). The kitten gets up and eats something with a spoon.
2QFHGZ	video- A cat is feeding
2V7RQX	Cat video from Instagram
3LETCX	This moving image shows what I believe to be a kitten drinking milk from a spoon
44E4VU	A video of a cat licking a spoon.
4K3EHW	Little Cat eating/drinking
4NRJQK	This is a video file which shows a cat playing
4TG3JQ	A 6 second video file showing a kitten standing on it's hind legs licking a teaspoon, held by an unknown person
6GX8GW	a kitten playing with a spoon that is being held in a human hand.
6U42BU	A moving image of a black and white coloured cat with two feet on ground while stretching to hold and lick a table spoon being held by someone.
7JBXVH	Cached Instagram video of a kitten / small cat licking a spoon next to a bare foot
7JJCQE	video of a kitten
8B2ZBT	On a wooden floor a kitten is standing on its hind legs; while jointly holding in its front two paws with an adult something black that the kitten is licking. One adult bare foot is visible.
8NQZ3V	Cat standing on back legs eating from a spoon.
9C78QQ	It is a video of a kitten licking a spoon.
9HHYJC	A video of a kitten eating from a spoon.
B3F9DQ	A grey kitten standing on its hind legs drinking from a metal teaspoon
B8BZLM	A video of a cat.
BEBE9A	A video of a kitten licking from a spoon
BH92XQ	This is a video file that shows a kitten standing on its back legs and licking a spoon. The spoon appears to be held by a person (but you can't see the whole person in the frame - you can only see a small portion of the hand holding the spoon, and the tip of one foot/ the toes).
BPQALN	A Kitten standing in two legs eating from a spoon.
BTU67Q	Thumbnail of video, Kitten eating from spoon
BUL4JP	a standing kitty cat eating something
BUZM4L	A video of a kitten licking something off of a spoon.
BVTL28	Kitten licking from a spoon

TABLE 1

Question 31 - Examination Questions	
WebCode	**Response**
C79P3P	An mp4 file approximately 81KB in size located at: LG GSM_LM-X420MM K40.zip/data/data/com.instagram.android/cache/ExoPlayerCacheDir/videocache/2460097279097405105_3071559847.null.17874484553067998vd.-1.130884614_420880652600587_3612932430948483542_n.mp4.0.1607554294794.v2.exo/2460097279097405105_3071559847.null.17874484553067998vd.-1.130884614_420880652600587_3612932430948483542_n.mp4. Depicts a small fluffy animal consistent with a kitten aggressively attacking a spoon that is being held by what appears to be a human hand.
CBPXQN	This is a video file of a cat, appearing to eat something off a spoon.
CMW3GG	A brown/grey cat standing up with its two legs and it appears to be licking a spoon. A hand appears to be holding the spoon.
CNYNEH	Video of a kitten
CQKEFM	The file is an exo video from Instagram featuring a cat with a spoon.
DENLTG	Video of cat standing on hind legs
E3NJJK	video of a kitten licking a spoon
E8HDGL	Kitten standing on its hind legs licking the contents of a spoon being held out
EZZ9KE	Kitten standing on hind legs licking a spoon which is being held by an IC1 individual.
FF8LEG	Video file (2460097279097405105_3071559847.null.17874484553067998vd.-1.130884614_420880652600587_3612932430948483542_n.mp4, 2460097279097405105_3071559847.null.17874484553067998vd.-1.130884614_420880652600587_3612932430948483542_n.mp4.0.1607554294794.v2.exo). Cat is eating from spoon
FHXMK6	It's a very short clip of a kitten licking a spoon.
FN2Q9H	video clip of a kitten
G26EZC	A kitten standing on 2 legs.
G64QVC	The baby cat is licking the food in the spoon.
G8R3VH	The content of the file is a short video of a cat or kitten “standing” on it’s hind legs licking something from a spoon.
GMJZWD	Video file of kitten licking a spoon
J2FXXE	Video of a kitten licking a spoon
J3QZJD	Appears to be a kitten standing on its back two legs holding and licking a spoon in a person’s hand.
J6G2P2	Video of a cat eating from a spoon
J99YP6	The standing cat is eating something on the spoon.
JABU6B	It is a kitten licking a spoon.
JKQQ33	Kitten Video
LAJR6D	Kitten Video
LFPNND	Kitten being fed

TABLE 1

Question 31 - Examination Questions	
WebCode	**Response**
M3XEGX	The file is a video file, which depicts a cat licking a spoon being held by a person.
MDD9UC	Video of a kitten standing and eating from a spoon.
MYY3KX	Kitten video standing on rear legs licking any object
N7XPBC	Video of a kitten
NKU4B7	video file - kitten on hind legs eating from spoon
NZR7X6	Video of a kitten licking a spoon
P2XZ7A	There is a Kitten standing up on its rear legs.
PEMW99	It is a video of a kitten standing on its back legs licking a spoon
PHLBTC	Kitten licking the spoon
Q328NT	A short video of a kitten standing on his/her back legs eating/drinking off of a spoon.
Q9QRRA	A black, white and grey kitten on his feet licking a spoon
QCCAAU	Video of a kitten standing on back legs drinking from a spoon
QPXBKL	Video of a cat licking a spoon
QR2H68	Food-eating Cat Video
R9AVZA	There is a small cat, which is being fed by a barefoot person, with a small spoon.
RLZJF3	A cat licking from a spoon
TBUXQF	Video of cat licking a spoon
TWBK68	Kitten standing on hind legs licking a teaspoon.
UGDP88	This file is the start of a video that depicts a small kitten standing on its hind legs. It is recovered from cache via the Instagram application.
UU4CNZ	Video of a kitten eating off a spoon.
UWP4P6	A short video clip of a kitten standing, licking a spoon from someone who is barefoot
UWZRKH	Video of a kitten standing up and eating
UYTY99	A small white cat with brown stripes standing on its hind limbs licks a spoon served by someone. And it holds the spoon with its right front foot.
VCZ8PQ	Foot on wood floor along with a standing feline that is being presented a spoon by a hand to the feline's face.
VMY6B6	Kitten standing on two legs licking something
VQXF86	Kitten eating/drinking from a spoon
VTKXPP	Video file of a cat licking a spoon
VVNQG3	Video of cat licking a spoon from instagram
W4XGJ7	.exo File from instagram

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 31 - Examination Questions	
WebCode	**Response**
W98U26	A video of feeding a little cat.
WPV8FW	Shows a cat stood on its' hind legs licking a spoon.
XDH8J3	00:06 second video of gray and black tabby kitten raised on back legs licking spoon held by unknown person.
XURWW4	Animal(seems like a cat) licking something from a spoon and standing on his feet
XV3YH3	Its an ".mp4" format video of an unknown type of animal standing on its feet, Licking something from a spoon.
Y8QK23	LG GSM_LM-X420MM K40.zip/data/data/com.instagram.android/cache/ExoPlayerCacheDir/videocache/2460097279097405105_3071559847.null.17874484553067998vd.-1.130884614_420880652600587_3612932430948483542_n.mp4.0.1607554294794.v2.exo
YCL3NU	A kitten licking a spoon.
YH86LY	Video - Cat standing on two feet and eating from a spoon
Z2GJHK	A video of a kitten drinking from a spoon
Z7XNEU	Cat on hind legs licking something
ZNNNZC	This file is a video cache file and played for about 1 second(Original file shows about 6 Sec). The kitten gets up and eats something with a spoon.

Question 31: Describe the content of the file with MD5 Hash a5c245f0e727ff0add7d286f1c104be0.

Consensus Result: Reference to a cat (kitten) licking spoon and variations of this description

Expected Response Explanation:

A global search for files with this hash discovers /data/data/com.instagram.android/cache/ExoPlayerCacheDir/videocache/2460097279097405105_3071559847.null.17874484553067998vd.-1.130884614_420880652600587_3612932430948483542_n.mp4.0.1607554294794.v2.exo

Expected Response Illustration:

Screen Capture from ~0.1607554294794.v2.exo

TABLE 1

Question 32 - Examination Questions

Question 32: Based on the content of the file with modified time of 12/08/2020 20:41:36 EST, provide the destination that the user LAST saved directions for?

Manufacturer's Expected Response: Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166

WebCode	Response
2MC97B	21331 Gentry Dr, Sterling, VA 20166
2QFHGZ	N 39.0226700, W 77.4113500. 45965 Nokes Blvd, Sterling, VA 20166, USA
2V7RQX	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
3LETCX	windmill park drive
44E4VU	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
4K3EHW	Collaborative+Testing+Services,+21331+Gentry+Dr,+Sterling,+VA+20166
4NRJQK	21331 Gentry Dr, Sterling, VA 20166..Collaborative Testing Services
4TG3JQ	Collaborative Testing Services (21331 Gentry Dr, Sterling, VA 20166)
6GX8GW	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
6U42BU	21331 Gentry Dr, Staerling, VA 20166
7JBXVH	Collaborative Testing Services.#21331 Gentry Dr, Sterling, VA 20166
7JJCQE	Collaborative Testing Services
8B2ZBT	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
8NQZ3V	21331 Gentry Drb"....Collaborative Testing Services
9C78QQ	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
9HHYJC	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
B3F9DQ	No answer found
B8BZLM	Collaborative Testing Services 21331 Gentry Dr, Sterling, VA 20166
BEBE9A	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
BH92XQ	21331 Gentry Dr, Sterling, VA 20166 (Collaborative Testing Services)
BPQALN	Collaborative Testing Services, 21331 Gentry DR, Sterling, VA 20166.
BTU67Q	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
BUL4JP	Collaborative Testing Services #21331 Gentry Dr, Sterling, VA 20166
BUZM4L	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
BVTL28	Collborative testing Services 21331 Gentry Drive, Sterling, VA 20166
C79P3P	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
CBPXQN	Collaborative Testing Services 21331 Gentry Dr, Sterling, VA 20166

TABLE 1

Question 32 - Examination Questions	
WebCode	**Response**
CMW3GG	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
CNYNEH	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
CQKEFM	Collaborative Testing Services, 21331 Gentry Dr., Sterling VA 20166
DENLTG	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
E3NJJK	21331 Gentry Dr, Sterling, VA 20166
E8HDGL	Collaborative Testing Services, #21331 Gentry Dr, Sterling, VA 20166
EZZ9KE	Collaborative Testing Services 21331 Gentry Dr Sterling VA 20166
FF8LEG	21331 Gentry Dr, Sterling, VA 20166
FHXMK6	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
FN2Q9H	Collaborative Testing Services 21331 Gentry Dr, Sterling, VA 20166 file located at: dump\data\data\com.google.android.apps.maps\files\saved_directions.data.cs
G26EZC	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166.
G64QVC	39.0253147,-77.4162973
G8R3VH	Collaborative Testing Services, 21331 Gentry Dr., Sterling, VA 20166
GMJZWD	Windmill Park Drive
J2FXXE	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
J3QZJD	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
J6G2P2	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
J99YP6	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
JABU6B	Collaborative Testing Services
JKQQ33	Collaborate Testing Service
LAJR6D	Chick-Fil-A
LFPNND	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
M3XEGX	Collaborative Testing Services (21331 Gentry Dr. Sterling, VA 20166)
MDD9UC	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
MYY3KX	Collaborative Testing Services
N7XPBC	No file with that time or time converted into EST with would be 12/09/2020 – 00:41:36
NKU4B7	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
NZR7X6	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
P2XZ7A	Collaborative Testing Services, #21331 Gentry Dr, Sterling, VA 20166
PEMW99	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 32 - Examination Questions	
WebCode	**Response**
PHLBTC	Collaborative Testing Service 21331 Gentry Dr, Sterling, VA 20166
Q328NT	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
Q9QRRA	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
QCCAAU	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
QPXBKL	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
QR2H68	21331 Gentry Dr, Sterling, VA 20166
R9AVZA	
RLZJF3	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
TBUXQF	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
TWBK68	21331 Gentry Dr, Sterling, VA 20166
UGDP88	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
UU4CNZ	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
UWP4P6	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
UWZRKH	Collaborative Testing Services 21331 Gentry Drive Sterling, VA 20166
UYTY99	21331 Gentry Dr, Sterling, VA 20166
VCZ8PQ	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
VMY6B6	Collaborative Testing Services
VQXF86	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
VTKXPP	Collaborative Testing Services #21331 Gentry Dr, Sterling, VA 20166
VVNQG3	Collabrative Testing Services 21331 Gentry Dr. Sterling VA 20166
W4XGJ7	Starbucks
W98U26	CCollaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
WPV8FW	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
XDH8J3	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
XURWW4	LG GSM_LM-X420MM K40.zip/data/data/com.tmobile.pr.adapt/files/Metro_G1_Horizontal_1080p.mp4
XV3YH3	LG GSM_LM-X420MM K40.zip/data/data/com.tmobile.pr.adapt/files/Metro_G1_Horizontal_1080p.mp4
Y8QK23	21331 Gentry Dr, Sterling, VA 20166
YCL3NU	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166
YH86LY	Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 32 - Examination Questions	
WebCode	**Response**
Z2GJHK	21331 Gentry Drive, Sterling, VA 20166
Z7XNEU	Collaborative Testing Services, 21331 Gentry Drive, Sterling, VA 20166
ZNNNZC	21331 Gentry Dr

Question 32: Based on the content of the file with modified time of 12/08/2020 20:41:36 EST, provide the destination that the user LAST saved directions for?

Consensus Result: Collaborative Testing Services, 21331 Gentry Dr, Sterling, VA 20166

Expected Response Explanation:

The destination last saved can be found by reviewing filesystem metadata in a timeline. There are two files with the modified time listed in the question, saved_directions.data.cs and offline_saved_directions.data.cs; both are found within /data/data/com.google.android.apps.maps/files/.

Expected Response Illustration:

Autopsy Timeline View for 12/08/2020 20:41:36 EST

saved_directions.data.cs

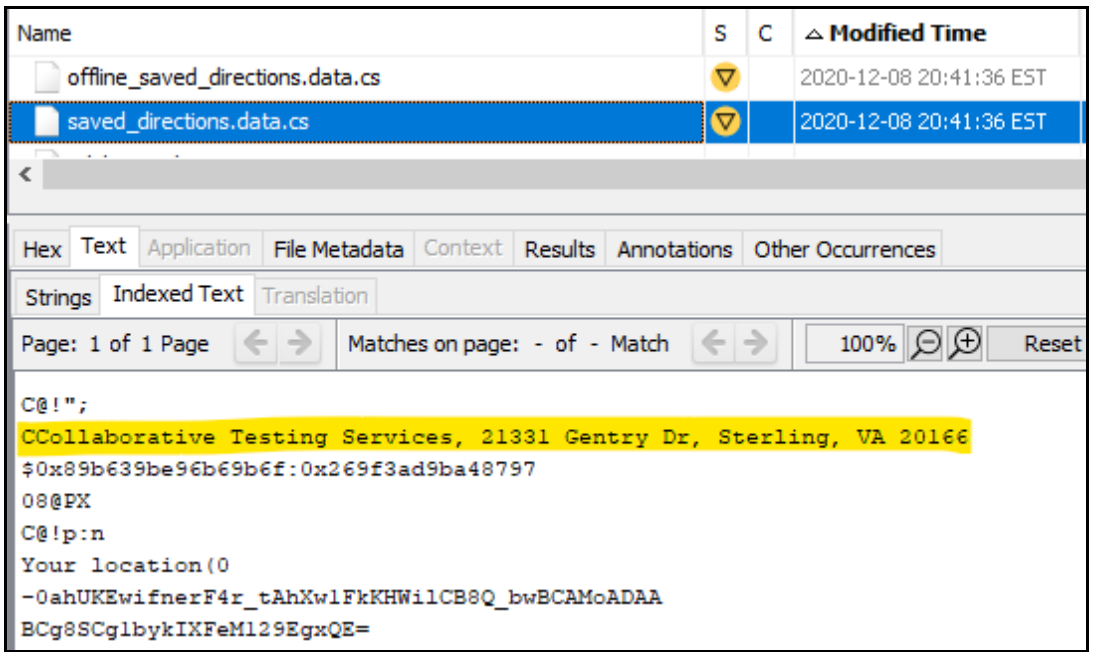


TABLE 1

Question 33 - Examination Questions

Question 33: On what date and time did the user create a note containing "quaesitum"? Provide the answer in UTC using the following format: MM/DD/YYYY HH:MM AM/PM (UTC+0).

Manufacturer's Expected Response: 11/10/2020 01:17 AM (UTC+0)

WebCode	Response
2MC97B	11/10/2020 01:17 AM
2QFHGZ	11/10/2020 01:17 AM (UTC+0)
2V7RQX	11/10/2020 01:17 AM (UTC+0)
3LETCX	10/11/2020 01:17:02 (UTC+0)
44E4VU	11/10/2020 01:17 AM (UTC+0)
4K3EHW	11/10/2020 01:17 PM
4NRJQK	Requested Format: 11/10/2020 01:17 AM (UTC+0) (Timestamp as shown within extraction: 10/11/2020 01:17:02(UTC+0)
4TG3JQ	11/10/2020 01:17 AM(UTC+0)
6GX8GW	11/10/2020 1:17:02 AM (UTC+0)
6U42BU	11/10/2020 01:17 AM (UTC+0)
7JBXVH	11/10/2020 01:17 AM
7JJCQE	11/10/2020 1:17:02 AM (UTC+0)
8B2ZBT	11/10/2020 01:17 AM (UTC+0)
8NQZ3V	10/11/2020 01:17:02 AM (UTC+0)
9C78QQ	11/10/2020 01:17:02 AM (UTC+0)
9HHYJC	11/10/2020 01:17 AM (UTC+0)
B3F9DQ	11/10/2020 01:17 AM (UTC+0)
B8BZLM	11/10/2020 01:17 (UTC+0)
BEBE9A	11/10/2020 1:17 AM (UTC+0)
BH92XQ	11/10/2020 01:17 AM (UTC+0)
BPQALN	11/10/2020 01:17 AM (UTC+0)
BTU67Q	11/10/2020 01:17:02 (UTC+0)
BUL4JP	11/10/2020 01:17 AM (UTC+0)
BUZM4L	11/10/2020 01:17 AM UTC+0)
BVTL28	11/10/2020 01:17 AM (UTC+0)
C79P3P	11/10/2020 1:17:02 AM (UTC+0)
CBPXQN	11/10/2020 01:17 AM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 33 - Examination Questions	
WebCode	**Response**
CMW3GG	11/10/2020 01:17 AM (UTC+0)
CNYNEH	11/10/2020 01:17 AM (UTC+0)
CQKEFM	11/10/2020 1:17 AM (UTC+0)
DENLTG	11/10/2020 01:17 AM (UTC+0)
E3NJJK	11/10/2020 01:17 AM (UTC+0)
E8HDGL	11/10/2020 01:17 (UTC+0)
EZZ9KE	11/10/2020 1:20 AM (UTC+0)
FF8LEG	11/10/2020 01:17 AM (UTC+0)
FHXMK6	11/10/2020 01:17 AM (UTC+0)
FN2Q9H	11/10/2020 01:17 AM
G26EZC	11/10/2020 01:17 AM (UTC+0).
G64QVC	11/10/2020 01:17 AM (UTC+0)
G8R3VH	11/10/2020 1:17 AM (UTC+0)
GMJZWD	11/10/2020 01:17 AM
J2FXXE	11/10/2020 01:17 AM
J3QZJD	11/10/2020 01:17 AM (UTC+0)
J6G2P2	11/10/2020 01:17 AM (UTC+0)
J99YP6	11/10/2020 01:17 AM (UTC+0)
JABU6B	11/10/2020 1:17 AM (UTC+0)
JKQQ33	11/10/2020 1:17:02 AM
LAJR6D	11/10/2020 1:17 AM (UTC+0)
LFPNND	11/10/2020 01:17 AM
M3XEGX	11/10/2020 1:17 AM
MDD9UC	11/10/2020 01:17 AM (UTC+0)
MYY3KX	11/10/2020 01:17 AM
N7XPBC	11/10/2020 01:17 AM
NKU4B7	11/10/2020 1:17am (UTC+0)
NZR7X6	11/10/2020 01:17 AM (UTC+0)
P2XZ7A	11/10/2020 01:17 AM (UTC+0)
PEMW99	11/10/2020 01:17 AM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 33 - Examination Questions	
WebCode	**Response**
PHLBTC	11/10/2020 01:17 AM (UTC+0)
Q328NT	11/10/2020 01:17 AM (UTC+0)
Q9QRRA	11/10/2020 01:17 AM (UTC+0)
QCCAAU	11/10/2020 1:17 AM (UTC+0)
QPXBKL	11/10/2020 01:17 AM (UTC+0)
QR2H68	11/10/2020 01:17 AM (UTC+0)
R9AVZA	11/10/2020 01:17 AM (UTC+0)
RLZJF3	11/10/2020 1:17 AM (UTC+0)
TBUXQF	11/10/2020 01:17 AM (UTC+0)
TWBK68	11/10/2020 01:17 AM(UTC+0)
UGDP88	01/10/2020 01:17 AM (UTC+0)
UU4CNZ	11/10/2020 01:17 AM (UTC+0)
UWP4P6	11/10/2020 01:17 AM (UTC+0)
UWZRKH	11/10/2020 01:17 AM (UTC+0)
UYTY99	11/10/2020 01:17 AM UTC
VCZ8PQ	11/10/2020 01:17 AM (UTC+0)
VMY6B6	11/10/2020 01:20 AM (UTC+0)
VQXF86	11/10/2020 01:17 AM (UTC+0)
VTKXPP	11/10/2020 01:17 AM (UTC+0)
VVNQG3	11/10/2020 01:17 AM (UTC+0)
W4XGJ7	11/10/2020 1:17 AM (UTC+0)
W98U26	11/10/2020 1:17 AM (UTC+0)
WPV8FW	11/10/2020 01:17 AM (UTC+0) (The format HH:MM AM/PM is not a format commonly used in the UK. I have researched how this should look and although it appears the time should not be given in a 24hr format there appears to be no clear guidance to define if the preceding 'hour' zero should be dropped).
XDH8J3	11/10/2020 01:17 AM (UTC+0).
XURWW4	11/10/2020 01:17:02 am (UTC+0)
XV3YH3	11/10/2020 01:17 AM (UTC+0)
Y8QK23	10/11/2020 01:17:02 (UTC+0)
YCL3NU	10/11/2020 1:17:02 AM (UTC+0)
YH86LY	11/10/2020 01:17 AM (UTC+0)

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 33 - Examination Questions	
WebCode	**Response**
Z2GJHK	11/10/2020 01:17 AM
Z7XNEU	11/10/2020 01:17 AM (UTC+0)
ZNNNZC	11/10/2020 01:17 AM

Question 33: On what date and time did the user create a note containing "quaesitum"? Provide the answer in UTC using the following format: MM/DD/YYYY HH:MM AM/PM (UTC+0).

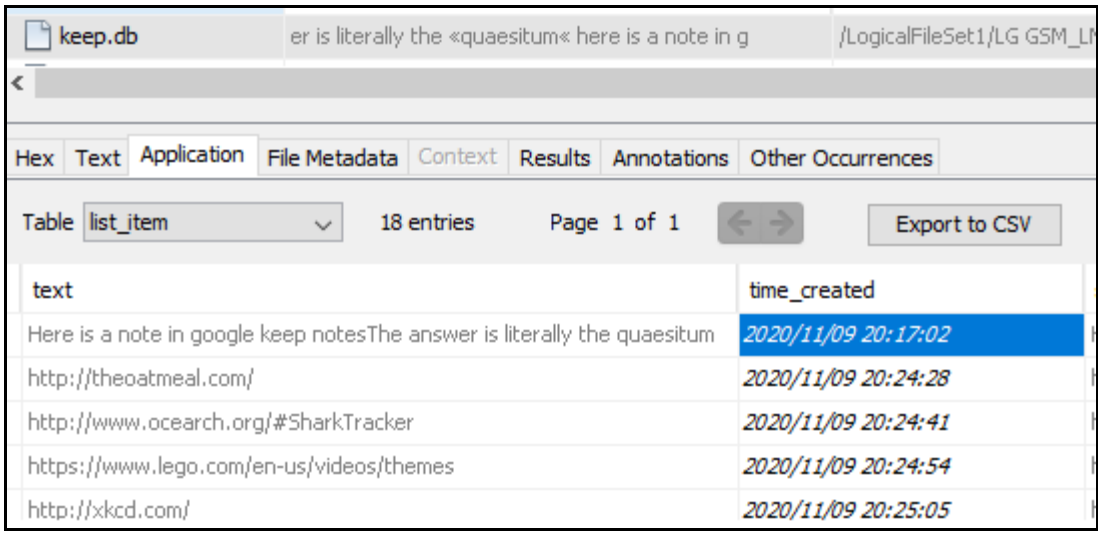
Consensus Result: 11/10/2020 01:17 AM (UTC+0)

Expected Response Explanation:

A review of the device "Notes" or a keyword search for "quaesitum" would discover Google Keep Notes stored in /data/data/com.google.android.keep/databases/keep.db.

Expected Response Illustration:

keep.db



keep.db

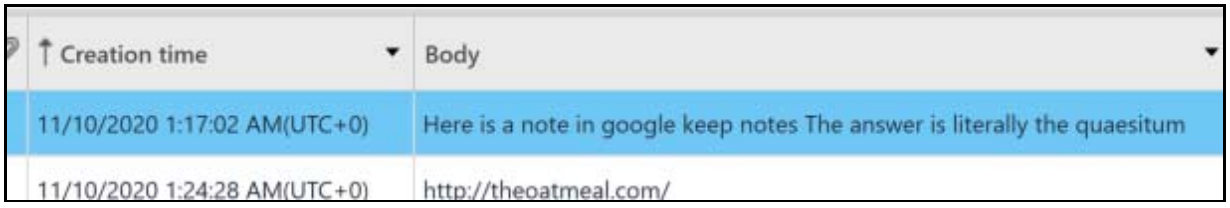


TABLE 1

Question 34 - Examination Questions

Question 34: At what altitude/elevation (in meters above sea level) was the photo with MD5 hash ee504a83bd1a34c0372b76f3ef345b42 taken?

Manufacturer's Expected Response: 114

WebCode	Response
2MC97B	GPSAltitude : 114
2QFHGZ	GPSAltitude 114
2V7RQX	114
3LETCX	Altitude: 114
44E4VU	114
4K3EHW	114 m
4NRJQK	114
4TG3JQ	114
6GX8GW	114
6U42BU	114
7JBXVH	114m
7JJCQE	114.0
8B2ZBT	114m
8NQZ3V	114
9C78QQ	114
9HHYJC	114
B3F9DQ	114
B8BZLM	114
BEBE9A	114
BH92XQ	114 meters
BPQALN	114 meters
BTU67Q	114
BUL4JP	114
BUZM4L	114
BVTL28	114.0 metres
C79P3P	114
CBPXQN	114 meters

TABLE 1

Question 34 - Examination Questions	
WebCode	**Response**
CMW3GG	114
CNYNEH	114
CQKEFM	114.00 m
DENLTG	114
E3NJJK	114
E8HDGL	96
EZZ9KE	Lat/Lon: 38.683338 / -77.667473
FF8LEG	GPSAltitude: 114
FHXMK6	114
FN2Q9H	114.0
G26EZC	114
G64QVC	114
G8R3VH	114
GMJZWD	114 meters
J2FXXE	114 m
J3QZJD	114
J6G2P2	114
J99YP6	114
JABU6B	114
JKQQ33	114
LAJR6D	114
LFPNND	114
M3XEGX	114
MDD9UC	114
MYY3KX	114
N7XPBC	114m
NKU4B7	114
NZR7X6	114
P2XZ7A	114.0
PEMW99	114 meters

TABLE 1

Question 34 - Examination Questions	
WebCode	**Response**
PHLBTC	114
Q328NT	114.0
Q9QRRA	114.0
QCCAAU	114.0
QPXBKL	114
QR2H68	114
R9AVZA	116 m
RLZJF3	114
TBUXQF	114
TWBK68	114
UGDP88	114
UU4CNZ	114
UWP4P6	114
UWZRKH	114
UYTY99	114 meters
VCZ8PQ	114
VMY6B6	114
VQXF86	144
VTKXPP	114.0
VVNQG3	114
W4XGJ7	114
W98U26	114
WPV8FW	114 meters
XDH8J3	114
XURWW4	114
XV3YH3	114
Y8QK23	38.683338 / -77.667473
YCL3NU	114
YH86LY	114
Z2GJHK	114

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 34 - Examination Questions	
WebCode	**Response**
Z7XNEU	114.0 Meters
ZNNNZC	GPSAltitude 114

Question 34: At what altitude/elevation (in meters above sea level) was the photo with MD5 hash ee504a83bd1a34c0372b76f3ef345b42 taken?

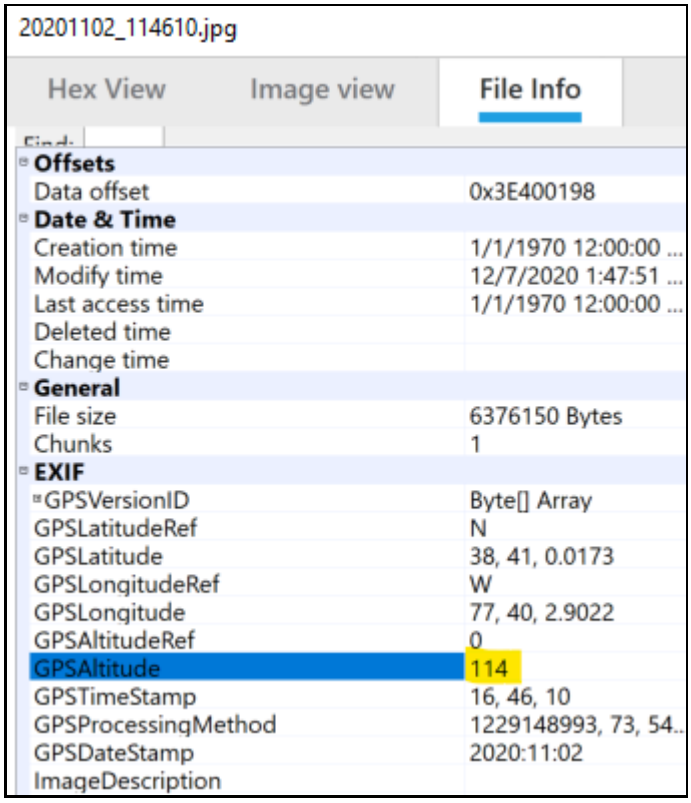
Consensus Result: 114

Expected Response Explanation:

Searching the extraction for files with the indicated MD5 hash identifies one photo, data/media/0/DCIM/Restored/20201102_114610.jpg. The embedded EXIF metadata contains the GPS fix altitude for the capturing device at the time the photo was taken.

Expected Response Illustration:

20201102_114610.jpg EXIF Metadata parsed by Cellebrite



20201102_114610.jpg EXIF Metadata parsed with 'exiftool v11.88'

```
$ exiftool 20201102_114610.jpg | grep Altitude
GPS Altitude Ref                : Above Sea Level
GPS Altitude                    : 114 m Above Sea Level
```

TABLE 1

Question 35 - Examination Questions

Question 35: Provide the text visible in the image (photo) taken near Latitude: 38.207969 / Longitude: -78.384888.

Manufacturer's Expected Response: "SHEETZ ice" or "Fresh Food made to order"

WebCode	Response
2MC97B	<File Metadata> - Camera Make : LGE, - Camera Model : LM-K300, - Capture Time : 11/15/2020 11:00:32 AM, - Pixel resolution : 4160 x 2130, - Resolution : 72 x 72(Unit : Inch), - Orientation : Rotate 90 CW, - Lat/Lon : 38.207969 / -78.384888
2QFHGZ	FRESH FOOD SHEETZ MADE tTO ORDER ice
2V7RQX	Image of Sheetz Ice
3LETCX	FRESH FOOD SHEETZ MADE TO ORDER ICE
44E4VU	FRESH FOOD SHEETZ MADE TO ORDER ice
4K3EHW	Fresh food SHEET7 made to order ICE
4NRJQK	Sheetz, Fresh food made to order, ice.
4TG3JQ	FRESH FOOD, SHEETZ, MADE TO ORDER, ice
6GX8GW	FRESH FOOD SHEETZ MADE TO ORDER ice
6U42BU	FRESH FOOD SHEETZ MADE TO ORDER ice
7JBXVH	FRESH FOOD SHEETZ MADE TO ORDER ice
7JJCQE	Fresh Food Sheetz Made To Order Ice
8B2ZBT	FRESH FOOD SHEETZ MADE TO ORDER ice
8NQZ3V	Rick Fresh Food, Sheetz, Made to Order, Ice.
9C78QQ	FRESH FOOD SHEETZ MADE TO ORDER ICE
9HHYJC	SHEETZ FRESH FOOD MADE TO ORDER ice
B3F9DQ	FRESH FOOD SHEETZ MADE TO ORDER ICE
B8BZLM	Fresh Food Sheetz Made To Order Ice
BEBE9A	FRESH FOOD SHEETZ MADE TO ORDER ice
BH92XQ	Fresh Food SHEETZ Made to Order ICE
BPQALN	Fresh Food SHEETZ Made to Order ICE
BTU67Q	Fresh Food Sheetz made to order ICE
BUL4JP	FRESH FOOD SHEETZ MADE TO ORDER ICE
BUZM4L	FRESH FOOD SHEETZ MADE TO ORDER ICE
BVTL28	Fresh food sheetz, made to order ICE
C79P3P	FRESH FOOD SHEETZ MADE TO ORDER ice

TABLE 1

Question 35 - Examination Questions	
WebCode	**Response**
CBPXQN	FRESH FOOD SHEETZ MADE TO ORDER ICE
CMW3GG	FRESH FOOD SHEETZ MADE TO ORDER
CNYNEH	FRESH FOOD SHEETZ MADE TO ORDER ICE
CQKEFM	Fresh Food Sheetz Made To Order ice
DENLTG	FRESH FOOD SHEETZ MADE TO ORDER ice
E3NJJK	Sheetz Ice Fresh Food Made to Order
E8HDGL	Fresh Food Sheetz made to order ice
EZZ9KE	FRESH FOOD SHEETZ MADE TO ORDER ice
FF8LEG	Fresh food SHEETZ made to order ICE
FHXMK6	Fresh food Sheetz made to order ice
FN2Q9H	Fresh food Sheetz made to order ice
G26EZC	SHEETZ ice
G64QVC	FRESH FOOD SHEETZ MADE TO ORDER ICE
G8R3VH	FRESH FOOD SHEETZ MADE TO ORDER ice
GMJZWD	FRESH FOOD, SHEETZ, MADE TO ORDER, ICE
J2FXXE	Fresh Food SHEETZ made to order - ICE
J3QZJD	FRESH FOOD SHEETZ MADE TO ORDER ice
J6G2P2	FRESH FOOD SHEETZ MADE TO ORDER ICE
J99YP6	FRESH FOOD SHEETZ MADE TO ORDER ice
JABU6B	FRESH FOOD SHEETZ MADE TO ORDER ice
JKQQ33	Fresh food Sheetz Made To Order Ice
LAJR6D	Fresh Food Sheetz Made to Order ice
LFPNND	FRESH FOOD SHEETZ MADE TO ORDER ice
M3XEGX	Fresh Food Sheetz Made To Order ice
MDD9UC	FRESH FOOD SHEETZ MADE TO ORDER ice
MYY3KX	Sheetz Ice Fresh Food Made to Order
N7XPBC	Fresh Food Sheetz made to order ice
NKU4B7	fresh food sheetz made to order ice
NZR7X6	FRESH FOOD SHEETZ MADE TO ORDER ice
P2XZ7A	Fresh Food Sheetz Made to Order ICE

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 35 - Examination Questions	
WebCode	**Response**
PEMW99	Sheetz ice FRESH FOOD MADE TO ORDER
PHLBTC	FRESH FOOD SHEETZ MADE TO ORDER ice
Q328NT	Fresh Food SHEETZ Made to Order ice
Q9QRRA	FRESH FOOD SHEETZ MADE TO ORDER ICE
QCCAAU	Fresh Food Made to Order SHEETZ ICE
QPXBKL	Fresh Food SHEETZ Made to order ICE
QR2H68	FRESH FOOD, SHEETZ, MADE TO ORDER, ice
R9AVZA	FRESH FOOD SHEETZ MADE TO ORDER ICE
RLZJF3	Fresh Food Sheetz Made to Order Ice
TBUXQF	Fresh Food SHEETZ Made to Order ice
TWBK68	FRESH FOOD SHEETZ MADE TO ORDER ICE
UGDP88	Fresh Food SHEETZ Made to Order ice
UU4CNZ	Fresh Food Sheetz Made to Order ice
UWP4P6	FRESH FOOD, SHEETZ, MADE TO ORDER, ICE
UWZRKH	Fresh Food Sheetz Made to Order Ice
UYTY99	SHEETZ ice
VCZ8PQ	FRESH FOOD SHEETZ MADE TO ORDER ICE
VMY6B6	Fresh Food SHEETZ Made to Order ICE
VQXF86	FRESH FOOD SHEETZ MADE TO ORDER ice
VTKXPP	FRESH FOOD SHEETZ MADE TO ORDER ice
VVNQG3	Fresh Food Made to Order Sheetz Ice
W4XGJ7	Freshfood Sheezz Made to Order, ICE
W98U26	FRESH FOOD SHEETZ MADE TO ORDER ice
WPV8FW	FRESH FOOD SHEETZ MADE TO ORDER ICE
XDH8J3	ICE
XURWW4	FRESH FOOD SHEETZ MADE TO ORDER ice
XV3YH3	FRESH FOOD SHEETZ MADE TO ORDER ICE
Y8QK23	FRESH FOOD SHEETZ MADE TO ORDER ice
YCL3NU	SHEETZ ice
YH86LY	FRESH FOOD SHEETZ MADE TO ORDER ICE

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 35 - Examination Questions	
WebCode	**Response**
Z2GJHK	Fresh Food Sheetz Made to Order ice
Z7XNEU	Fresh Food SHEETZ Made To Order ice
ZNNNZC	<File Metadata> - Camera Make : LGE, - Camera Model : LM-K300, - Capture Time : 11/15/2020 11:00:32 AM, - Pixel resolution : 4160 x 2130, - Resolution : 72 x 72(Unit : Inch), - Orientation : Rotate 90 CW, - Lat/Lon : 38.207969 / -78.384888

Question 35: Provide the text visible in the image (photo) taken near Latitude: 38.207969 / Longitude: -78.384888.

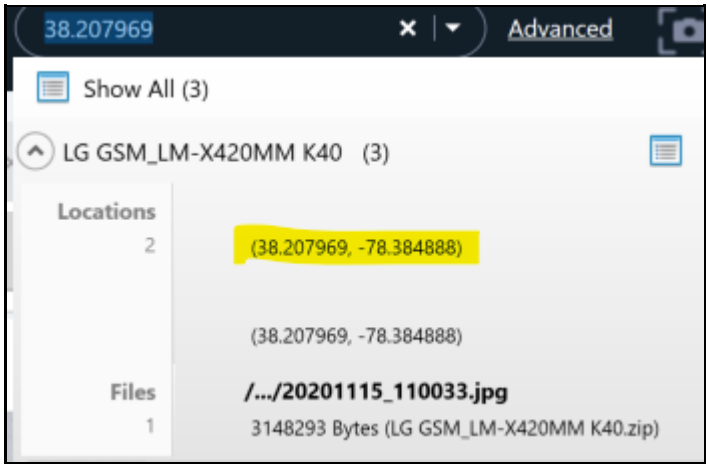
Consensus Result: "SHEETZ ice" or "Fresh Food made to order" and variations of these responses

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.

Expected Response Illustration:

Cellebrite search for 38.207969



20201115_110033.jpg

TABLE 1

Question 36 - Examination Questions

Question 36: What website (URL or title) did the user visit on 12/7/2020 at 1:11:44 AM(UTC+0)?

Manufacturer's Expected Response: youtube.com or Rick Astley - Never Gonna Give You Up and variations of these responses

WebCode	Response
2MC97B	URL : https://m.youtube.com/watch?v=dQw4w9WgXcQ Title : Rick Astley - Never Gonra Give You Up(Video) - YouTube
2QFHGZ	Title Rick Astley - Never Gonna Give You Up (Video) - YouTube URL https://m.youtube.com/watch?v=dQw4w9WgXcQ
2V7RQX	URL: https://m.youtube.com/watch?v=dQw4w9WgXcQ / Title: Rick Astley - Never Gonna Give You Up (Video) – YouTube
3LETCX	Rick Astley - Never Gonna Give You Up (Video) – YouTube / https://m.youtube.com/watch?v=dQw4w9WgXcQ
44E4VU	https://m.youtube.com/watch?v=dQw4w9WgXcQ
4K3EHW	https://m.youtube.com/watch?v=dQw4w9WgXcQ
4NRJQK	Rick Astley - Never Gonna Give You Up (Video) – YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
4TG3JQ	https://m.youtube.com/watch?v=dQw4w9WgXcQ
6GX8GW	YouTube
6U42BU	Rick Astley - Never Gonna Give You Up (https://m.youtube.com/watch?v=dQw4w9WgXcO)
7JBXVH	https://m.youtube.com/watch?v=dQw4w9WgXcQ
7JJCQE	Youtube- Rick Astley- Never Gonna Give You Up (video)
8B2ZBT	https://m.youtube.com/watch?v=dQw4w9WgXcQ Rick Astley - Never Gonna Give You Up (Video) - YouTube
8NQZ3V	Astley - Never Gonna Give You Up (Video) – YouTube.
9C78QQ	https://m.youtube.com/watch?v=dQw4w9WgXcQ
9HHYJC	https://m.youtube.com/watch?v=dQw4w9WgXcQ
B3F9DQ	Rick Astley - Never Gonna Give You Up (Video) - YouTube
B8BZLM	Home - YouTube
BEBE9A	Rick Astley - Never Gonna Give You Up (Video) - YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
BH92XQ	URL: https://m.youtube.com/watch?v=dQw4w9WgXcQ Title: Rick Astley - Never Gonna Give You Up (Video) - YouTube
BPQALN	https:\\m.youtube.com\watch?v=dQw4w9WgXcQ
BTU67Q	Rick Astley - Never Gonna Give You Up (Video) - YouTube
BUL4JP	https://m.youtube.com/watch?v=dQw4w9WgXcQ
BUZM4L	Rick Astley - Never Gonna Give You Up (Video) – YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ

TABLE 1

Question 36 - Examination Questions	
WebCode	**Response**
BVTL28	Visited youtube.com, specifically a video of Rick Astley, never gonna give you up
C79P3P	https://m.youtube.com/watch?v=dQw4w9WgXcQ
CBPXQN	https://m.youtube.com/watch?v=dQw4w9WgXcQ with title, Rick Astley – Never Gonna Give You Up (Video) - YouTube
CMW3GG	Rick Astley - Never Gonna Give You Up https://m.youtube.com/watch?v=dQw4w9WgXcQ
CNYNEH	Title: Rick Astley - Never Gonna Give You Up (Video) – YouTube. URL: https://m.youtube.com/watch?v=dQw4w9WgXcQ
CQKEFM	https://m.youtube.com/watch?v=dQw4w9WgXcQ
DENLTG	https://m.youtube.com/watch?v=dQw4w9WgXcQ. Rick Astley - Never Gonna Give You Up (Video) - YouTube
E3NJJK	Rick Astley - Never Gonna Give You Up (Video) - YouTube
E8HDGL	https://m.youtube.com/watch?v=dQw4w9WgXcQ
EZZ9KE	Title: Rick Astley – Never Gonna Give You Up (Video) - YouTube
FF8LEG	https://m.youtube.com/watch?v=dQw4w9WgXcQ
FHXMK6	https://m.youtube.com/watch?=dQw4w9WgXcQ
FN2Q9H	Rick Astley-Never Gonna Give You Up(Video)-YouTube
G26EZC	https://m.youtube.com/watch?v=dQw4w9WgXcQ
G64QVC	- URL: https://m.youtube.com/watch?v=dQw4w9WgXcQ/ - TiTle: Rick Astley - Never Gonna Give You Up (Video) - YouTube
G8R3VH	Rick Astley - Never Gonna Give You Up (Video) – YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
GMJZWD	https://m.youtube.com/watch?v=dQw4w9WgXcQ
J2FXXE	Title: Rick Astley - Never Gonna Give You Up (Video) - YouTube / URL: https://m.youtube.com/watch?v=dQw4w9WgXcQ
J3QZJD	Rick Astley - Never Gonna Give You Up (Video) – YouTube
J6G2P2	Rick Astley - Never Gonna Give You Up (Video) - YouTube
J99YP6	https://m.youtube.com/watch?v=dQw4w9WgXcQ
JABU6B	Rick Astley - Never Gonna Give You Up (Video) - YouTube
JKQQ33	Rick Astley- Never Gonna Give You UP https://m.Youtube.com/watch?v=dQw4w9WgXcQ
LAJR6D	https://m.youtube.com/watch?v=dQw4w9WgXcQ
LFPNND	Rick Astley - Never Gonna Give You Up (Video) - YouTube
M3XEGX	Rick Astley - Never Gonna Give You Up (Video) - YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
MDD9UC	https://m.youtube.com/watch?v=dQw4w9WgXcQ

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 36 - Examination Questions	
WebCode	**Response**
MYY3KX	Rick Astley - Never Gonna Give You Up (Video) - YouTube
N7XPBC	https://m.youtube.com/watch?v=dQw4w9WgXcQ
NKU4B7	Rick Astley - never gonna give you up (video) - Youtube
NZR7X6	Rick Astley - Never Gonna Give You Up (Video) - YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
P2XZ7A	Rick Astley - Never Gonna Give You Up (Video) - YouTube
PEMW99	https://m.youtube.com/watch?v=dQw4w9WgXcQ
PHLBTC	https://m.youtube.com/watch?v=dQw4w9WgXcQ Rick Astley - Never Gonna Give You Up (Video)
Q328NT	Rick Astley - Never Gonna Give You Up (Video) - YouTube
Q9QRRA	Rick Astley – Never Gonna Give You Up (Video) - YouTube
QCCAAU	YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
QPXBKL	Rick Astley - Never Gonna Give You Up (Video) – YouTube
QR2H68	https://m.youtube.com/watch?v=dQw4w9WgXcQ
R9AVZA	Rick Astley - Never Gonna Give You Up (Video) - YouTube
RLZJF3	Rick Astley – Never Gonna Give You Up (video -YouTube)
TBUXQF	Rick Astley – Never Gonna Give You Up (Video) - YouTube
TWBK68	https://m.youtube.com/watch?v=dQw4w9WgXcQ
UGDP88	Rick Astley - Never Gonna Give You Up (Video) - YouTube
UU4CNZ	https://m.youtube.com/watch?v=dQw4w9WgXcQ
UWP4P6	(URL)https://m.youtube.com/watch?v=dQw4w9WgXcQ (Title)Rick Astley - Never Gonna Give You Up (Video) - YouTube
UWZRKH	Rick Astley - Never Gonna Give You Up (Video) - YouTube
UYTY99	https://m.youtube.com/watch?v=dQw4w9WgXcQ
VCZ8PQ	https://m.youtube.com/watch?v=dQw4w9WgXcQ
VMY6B6	Rick Astley - Never Gonna Give You Up (Video)
VQXF86	https://m.youtube.com/watch?v=dQw4w9WgXcQ Rick Astley - Never Gonna Give You Up (Video) – YouTube
VTKXPP	Rick Astley - Never Gonna Give You Up (Video) - YouTube
VVNQG3	https://m.youtube.com/watch?v=dQw4w9WgXcQ
W4XGJ7	htps://m.youtube.com/watch?v=dQw4w9WgXcQ
W98U26	https://m.youtube.com/watch?v=dQw4w9WgXcQ

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 36 - Examination Questions	
WebCode	**Response**
WPV8FW	URL: https://m.youtube.com/watch?v=dQw4w9WgXcQ Title: Rick Astley – Never Gonna Give You Up (Video) – YouTube
XDH8J3	https://m.youtube.com/watch?v=dQw4w9WgXcQ
XURWW4	Rick Astley - Never Gonna Give You Up (Video) - YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
XV3YH3	Rick Astley - Never Gonna Give You Up (Video) - YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
Y8QK23	Rick Astley - Never Gonna Give You Up (Video) - YouTube https://m.youtube.com/watch?v=dQw4w9WgXcQ
YCL3NU	https://m.youtube.com/watch?v=dQw4w9WgXcQ
YH86LY	Rick Astley - Never Gonna Give You Up (Video) - YouTube
Z2GJHK	Rick Astley - Never Gonna Give You Up (Video) - Youtube
Z7XNEU	https://m.youtube.com/watch?v=dQw4w9WgXcQ
ZNNNZC	URL : https://m.youtube.com/watch?v=dQw4w9WgXcQ Title : Rick Astley - Never Gonra Give You Up(Video) - YouTube

Question 36: What website (URL or title) did the user visit on 12/7/2020 at 1:11:44 AM(UTC+0)?

Consensus Result: youtube.com or Rick Astley - Never Gonna Give You Up and variations of these responses

Expected Response Explanation:

Chrome browser history is stored in /data/data/com.android.chrome/app_chrome/Default/History. A review of the records in this database shows the user visited youtube on 12/7/2020 at 1:11:44 AM(UTC+0).

Expected Response Illustration:

Database View of Chrome History showing youtube.com visit on 12/7/2020

Last Visited	Title	Source	URL
12/7/2020 1:11:44 AM(UTC+0)	Rick Astley - Never Gonna Give You Up (Vid...	Chrome	https://m.youtube.com/watch?v=dQw4w9WgXcQ
12/7/2020 1:11:30 AM(UTC+0)	Home - YouTube	Chrome	http://youtube.com/

TABLE 1

Question 37 - Examination Questions

Question 37: For what application / account is there a token configured in the Authy 2-factor authenticator app?

Manufacturer's Expected Response: LastPass

WebCode	Response ** Inconsistencies not highlighted; No consensus achieved **
2MC97B	Twilio Authy 2 - Factor Authentication(24.3.7) / gordonjamerson9@gmail.com
2QFHGZ	Twilio Authy 2-Factor Authentication
2V7RQX	LastPass / gordonjamerson9@gmail.com
3LETCX	Twilio
44E4VU	LastPass:gordonjamerson9@gmail.com
4K3EHW	Google, Viber Google Backup, WhatsApp Cloud, WhatsApp Google Backup
4NRJQK	LastPass
4TG3JQ	The application is LastPass / under gordonjamerson9@gmail.com
6GX8GW	LastPass
6U42BU	Twilio Authy 2-Factor Authentication
7JBXVH	lastpass
7JJCQE	gordonjamerson9@gmail.com
8B2ZBT	LastPass
8NQZ3V	lastpass
9C78QQ	gordonjamerson9@gmail.com
9HHYJC	Twilio
B3F9DQ	LastPass
B8BZLM	Lastpass (see note)
BEBE9A	LastPass Password Manager / s3.amazonaws.com
BH92XQ	Application: LastPass Account: gordonjamerson9@gmail.com
BPQALN	Twilio Authy 2-Factor Authentication
BTU67Q	gordonjamerson9@gmail.com "LastPass"
BUL4JP	LastPass
BUZM4L	LastPass / gordonjamerson9@gmail.com
BVTL28	Twilio
C79P3P	LastPass
CBPXQN	LastPass

TABLE 1

Question 37 - Examination Questions		
WebCode	**Response**	** Inconsistencies not highlighted; No consensus achieved **
CMW3GG	gordonjamerson9@gmail.com	
CNYNEH	LastPass / gordonjamerson9@gmail.com	
CQKEFM	LastPass	
DENLTG	lastpass	
E3NJJK	LastPass	
E8HDGL	gordonjamerson9@gmail.com	
EZZ9KE	gordonjamerson9@gmail.com	
FF8LEG		
FHXMK6	LastPass gordonjamerson9@gmail.com	
FN2Q9H	LastPass Password Manager/gordonjamerson9@gmail.com	
G26EZC	Twilio Authy 2-Factor Authentication.	
G64QVC	- application: bitpay - account: jamerson9@gmail.com	
G8R3VH	LastPass / gordonjamerson9@gmail.com	
GMJZWD	I cannot find any configured tokens with the extraction	
J2FXXE	LastPass / gordonjamerson9@gmail.com	
J3QZJD	LastPass	
J6G2P2	LastPass / gordonjamerson9@gmail.com	
J99YP6	LastPass / gordonjamerson9@gmail.com	
JABU6B	LastPass: gordonjamerson9@gmail.com	
JKQQ33	GordonJamerson9@gmail.com	
LAJR6D	Instagram	
LFPNND	LastPass	
M3XEGX	Lastpass	
MDD9UC	LastPass Password Manager / gordonjamerson9@gmail.com	
MYY3KX	gordonjamerson9@gmail.com	
N7XPBC	Gmail	
NKU4B7	lastpass/ gordonjamerson9@gmail.com	
NZR7X6	LastPass / gordonjamerson9@gmail.com	
P2XZ7A	Google Play App - gordonjamerson9@gmail.com	
PEMW99	Twilio	

TABLE 1

Question 37 - Examination Questions		
WebCode	**Response**	** Inconsistencies not highlighted; No consensus achieved **
PHLBTC	Lastpass	
Q328NT	LastPass	
Q9QRRA	gordonjamerson9@gmail.com	
QCCAAU	Twilio Authy 2-Factor Authentication	
QPXBKL	lastpass	
QR2H68	LastPass / gordonjamerson9@gmail.com	
R9AVZA	Amazon	
RLZJF3	LastPass Password Manager for the site S3, Amazonaws.com	
TBUXQF	LastPass Password Manager / s3.amazonaws.com	
TWBK68	gordonjamerson9@gmail.com	
UGDP88	Twilio	
UU4CNZ	LastPass / gordonjamerson9@gmail.com	
UWP4P6	LastPass	
UWZRKH	LastPass / gordonjamerson9@gmail.com	
UYTY99	LastPass	
VCZ8PQ	LastPass	
VMY6B6	Twilio	
VQXF86	lastpass	
VTKXPP	LastPass / gordonjamerson9@gmail.com	
VVNQG3	lastpass	
W4XGJ7	Thetileapp	
W98U26	LastPass gordonjamerson9@gmail.com	
WPV8FW	lastpass	
XDH8J3	gordonjamerson9@gmail.com	
XURWW4	LastPass / gordonjamerson9@gmail.com	
XV3YH3	LastPass / gordonjamerson9@gmail.com	
Y8QK23	Twilio Authy 2-Factor Authentication	
YCL3NU	Twilio Authy 2-Factor Authentication	
YH86LY	LastPass / gordonjamerson9@gmail.com	
Z2GJHK	LastPass - gordonjamerson9@gmail.com	

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 37 - Examination Questions		
WebCode	**Response**	** Inconsistencies not highlighted; No consensus achieved **
Z7XNEU	LastPass / gordonjamerson9@gmail.com	
ZNNNZC	Twilio Authy 2 - Factor Authentication(24.3.7) / gordonjamerson9@gmail.com	

Question 37: For what application / account is there a token configured in the Authy 2-factor authenticator app?

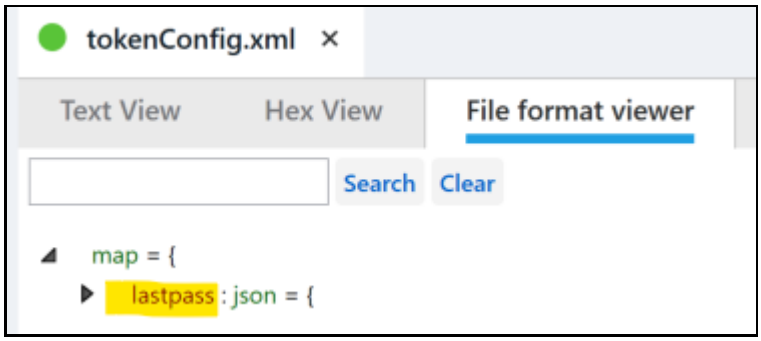
Consensus Result: While a majority (62.5%) of respondents provided the expected response of "LastPass", a consensus was not achieved for this question. The objective of this question was for the participants to locate and parse the configuration files for the Twilio-Authy app and determine that the app stored a token for only one account, LastPass.

Expected Response Explanation:

Configuration for tokens in the Authy app are stored in /data/data/com.authy.authy/shared_prefs/tokenConfig.xml. This file contains configuration information for only one account, LastPass

Expected Response Illustration:

tokenConfig.xml



Other Responses:

Fifteen participants provided the name of the Twilio Authy app instead of the application (or account provider) for which the Twilio Authy app contained a 2-factor token. Eleven participants provided only a user account name (that could be associated with many different services) but did not identify the application for which Authy contained a token.

TABLE 1

Question 38 - Examination Questions

Question 38: For what account / service did the user receive account confirmation / welcome emails on November 7, 2020.

Manufacturer's Expected Response: Facebook

WebCode	Response
2MC97B	Facebook
2QFHGZ	Facebook
2V7RQX	Account: gordonjamerson9@gmail.com / Service: Facebook {Verification codes and welcome messages were for Google Voice, Proton Mail}
3LETCX	Facebook
44E4VU	Google Photos and Facebook
4K3EHW	Facebook Account
4NRJQK	Facebook. There's also an email relating to setting up Google Photos, and a verification code from Proton
4TG3JQ	Facebook
6GX8GW	Facebook
6U42BU	Facebook
7JBXVH	Facebook
7JJCQE	facebook
8B2ZBT	Facebook
8NQZ3V	Facebook
9C78QQ	FaceBook
9HHYJC	Facebook
B3F9DQ	Facebook
B8BZLM	Facebook (see note)
BEBE9A	Facebook
BH92XQ	Account: gordonjamerson9@gmail.com, Service: Facebook
BPQALN	gordonjamerson9@gmail.com / Facebook
BTU67Q	Facebook
BUL4JP	Facebook
BUZM4L	Facebook (gordonjamerson9@gmail.com)
BVTL28	Facebook
C79P3P	Facebook
CBPXQN	Facebook

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 38 - Examination Questions	
WebCode	**Response**
CMW3GG	Facebook
CNYNEH	Facebook
CQKEFM	Facebook
DENLTG	Facebook
E3NJJK	Facebook
E8HDGL	Facebook
EZZ9KE	Facebook
FF8LEG	Facebook, ProtonMail
FHXMK6	Facebook
FN2Q9H	Facebook and Google Photos
G26EZC	gordonjamerson9@gmail.com
G64QVC	-account: jamersongordon9@gmail.com, -service: Facebook
G8R3VH	gordonjamerson9@gmail.com - Facebook
GMJZWD	Google and Facebook
J2FXXE	gordonjamerson9@gmail.com/Facebook
J3QZJD	Facebook
J6G2P2	gordonjamerson9@gmail.com / Facebook
J99YP6	Facebook
JABU6B	Gordon Jamerson, Facebook
JKQQ33	Facebook
LAJR6D	Facebook
LFPNND	Facebook
M3XEGX	Facebook
MDD9UC	gordonjamerson9@gmail.com / Facebook
MYY3KX	Facebook
N7XPBC	Facebook
NKU4B7	facebook
NZR7X6	gordonjamerson9@gmail.com / Facebook
P2XZ7A	Facebook and Google Photos
PEMW99	Facebook

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 38 - Examination Questions	
WebCode	**Response**
PHLBTC	Goolgle Photos, Facebook, Protonmail
Q328NT	Facebook
Q9QRRA	Facebook
QCCAAU	Facebook
QPXBKL	Facebook
QR2H68	gordonjamerson9@gmail.com / Facebook
R9AVZA	Facebook
RLZJF3	Facebook
TBUXQF	Facebook
TWBK68	Facebook
UGDP88	Facebook
UU4CNZ	Facebook
UWP4P6	Facebook
UWZRKH	Facebook
UYTY99	Facebook
VCZ8PQ	Facebook
VMY6B6	Facebook
VQXF86	Facebook
VTKXPP	Facebook and Google Photos
VVNQG3	Facebook
W4XGJ7	Facebook Account
W98U26	Facebook
WPV8FW	Facebook
XDH8J3	Facebook
XURWW4	Facebook account
XV3YH3	Facebook
Y8QK23	registration@facebookmail.com / Facebook
YCL3NU	Facebook
YH86LY	Facebook
Z2GJHK	gordonjamerson9@gmail.com, Facebook, Google Photos

TABLE 1

Question 38 - Examination Questions	
WebCode	**Response**
Z7XNEU	Facebook
ZNNNZC	Facebook

Question 38: For what account / service did the user receive account confirmation / welcome emails on November 7, 2020.

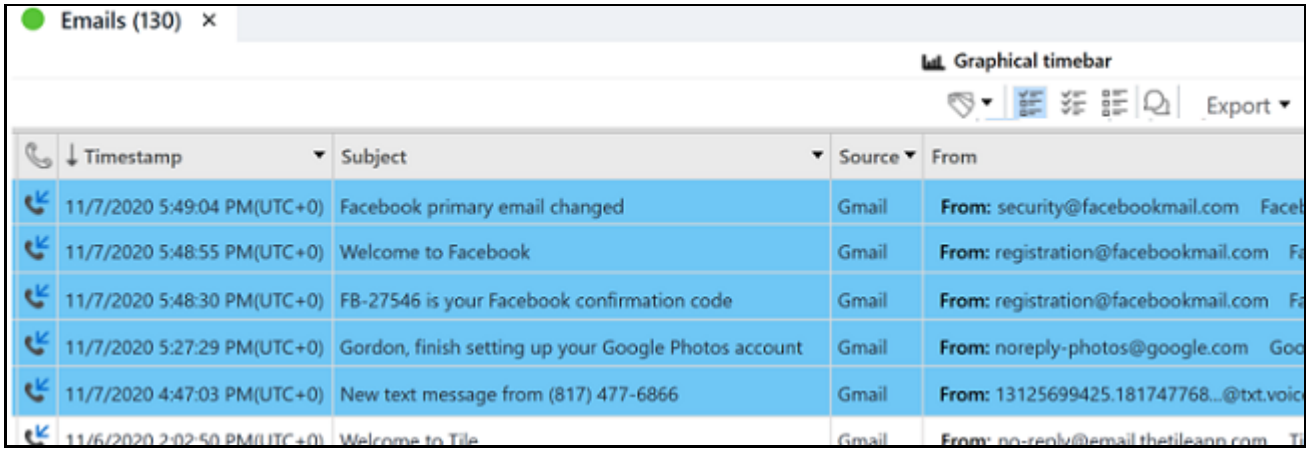
Consensus Result: Facebook

Expected Response Explanation:

Email messages are stored in /data/data/com.google.android.gm/databases/bigTopDataDB.379394306. There are five messages from the specified date listed in the question. Three are from Facebook, one (from Facebook) contains a welcome message.

Expected Response Illustration:

Cellebrite table view of received email messages



Content of "Welcome to Facebook" message

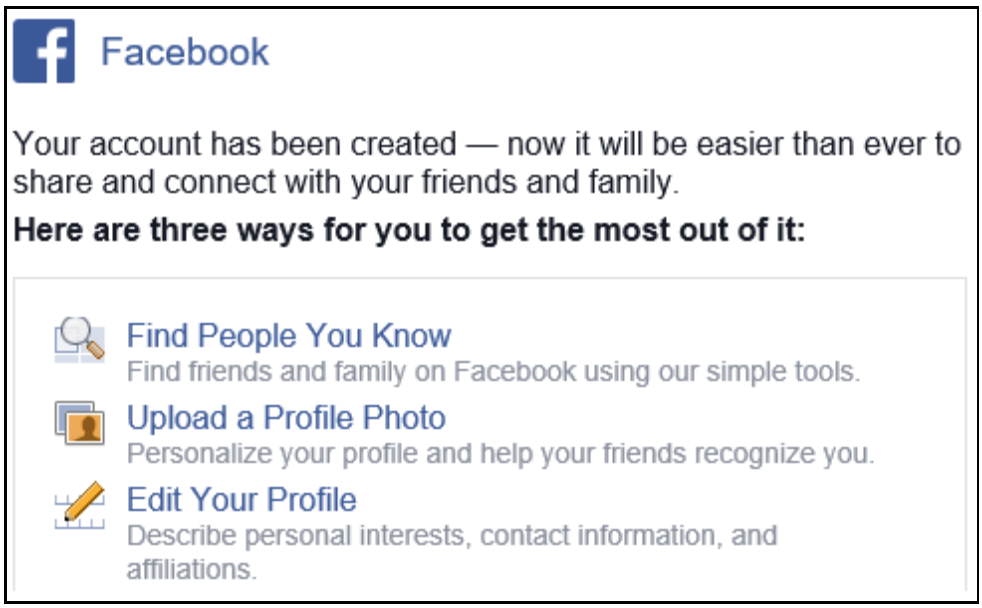


TABLE 1

Question 39 - Examination Questions

Question 39: What is the full name of the contact who has a close-up picture of a cat's face for their profile photo?

Manufacturer's Expected Response: Jim Handsome

WebCode	Response
2MC97B	Jim Handsome
2QFHGZ	Jim Handsome
2V7RQX	Jim Handsome
3LETCX	Jim Handsome
44E4VU	Jim Handsome
4K3EHW	Gordon Jamerson
4NRJQK	Jim Handsome
4TG3JQ	Jim Handsome
6GX8GW	Jim Handsome
6U42BU	Jim Handsome
7JBXVH	Jim Handsome
7JJCQE	Jim Handsome
8B2ZBT	Jim Handsome
8NQZ3V	Jim Handsome
9C78QQ	Jim Handsome
9HHYJC	Jim Handsome
B3F9DQ	Jim Handsome
B8BZLM	Jim Handsome
BEBE9A	Jim Handsome
BH92XQ	Jim Handsome
BPQALN	Jim Handsome
BTU67Q	Jim Handsome
BUL4JP	Jim Handsome
BUZM4L	Jim Handsome
BVTL28	Gordon Jamerson, 17036499750@s.whatsapp.net
C79P3P	Jim Handsome
CBPXQN	Jim Handsome

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 39 - Examination Questions	
WebCode	**Response**
CMW3GG	Jim Handsome
CNYNEH	Jim Handsome
CQKEFM	Jim Handsome
DENLTG	Jim Handsome
E3NJJK	Jim Handsome
E8HDGL	Jim Handsome
EZZ9KE	Jim Handsome
FF8LEG	Jim Handsome
FHXMK6	Jim Handsome
FN2Q9H	Jim Handsome
G26EZC	Gordon Jamerson
G64QVC	Jim Handsome
G8R3VH	Jim Handsome
GMJZWD	Jim Handsome
J2FXXE	Jim Handsome
J3QZJD	Jim Handsome
J6G2P2	Jim Handsome
J99YP6	Jim Handsome
JABU6B	Jim Handsome
JKQQ33	Jim Handsom
LAJR6D	Jim Handsome
LFPNND	Jim Handsome
M3XEGX	Jim Handsome
MDD9UC	Jim Handsome
MYY3KX	Jim Handsome
N7XPBC	Jim Handsome
NKU4B7	Jim Handsome
NZR7X6	Jim Handsome
P2XZ7A	Jim Handsome
PEMW99	Jim Handsome

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 39 - Examination Questions	
WebCode	**Response**
PHLBTC	Jim Handsome
Q328NT	Jim Handsome
Q9QRRA	Jim Handsome
QCCAAU	Jim Handsome
QPXBKL	Jim Handsome
QR2H68	Jim Handsome
R9AVZA	Jim Handsome
RLZJF3	JimHandsome
TBUXQF	Jim Handsome
TWBK68	Jim Handsome
UGDP88	Jim Handsome
UU4CNZ	Jim Handsome
UWP4P6	Jim Handsome
UWZRKH	Jim Handsome
UYTY99	Jim Handsome
VCZ8PQ	Jim Handsome
VMY6B6	Jim Handsome
VQXF86	Jim Handsome
VTKXPP	Jim Handsome
VVNQG3	Jim Handsome
W4XGJ7	Jim Handsome
W98U26	Jim Handsome
WPV8FW	Jim Handsome
XDH8J3	Jim Handsome
XURWW4	Jim Handsome
XV3YH3	Jim Handsome
Y8QK23	Gordon Jamerson
YCL3NU	Jim Handsome
YH86LY	Jim Handsome
Z2GJHK	Jim Handsome

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 39 - Examination Questions	
WebCode	**Response**
Z7XNEU	Jim Handsome
ZNNNZC	Jim Handsome

Question 39: What is the full name of the contact who has a close-up picture of a cat's face for their profile photo?

Consensus Result: Jim Handsome

Expected Response Explanation:

Contact profile photos are stored in data/data/com.android.providers.contacts/files/photos. Within this directory are three photos, including one of a cat with the filename of "1". The "contacts" table in /data/data/com.android.providers.contacts/databases/contacts2.db indicates the "photo_file_id" of "1" corresponds to contact_id of "7" which is linked to Jim Handsome in the raw_contacts table. The Cellebrite contacts tab correlates the above database records to associate the relevant contacts to the photos.

Expected Response Illustration:

Cellebrite contact pane with Jim Handsome profile photo

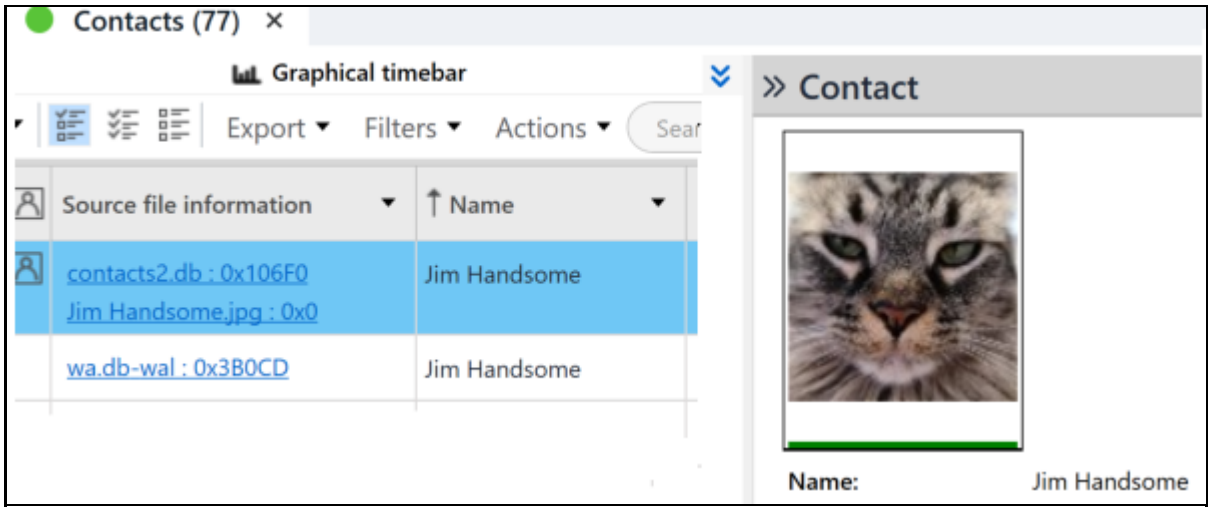


TABLE 1

Question 40 - Examination Questions

Question 40: What size and kind of beverage (other than a milkshake) did the user order at Chick-fil-A on December 8, 2020?

Manufacturer's Expected Response: Large Chick-fil-A® Diet Lemonade and variations representing the same information

WebCode	Response
2MC97B	size : Large , kind : Diet Lemonade
2QFHGZ	Large Chick-fil-AÂ® Diet Lemonade
2V7RQX	Large Chick-fil-A ® Diet Lemonade
3LETCX	LG DIET LEMONADE
44E4VU	Large Chick-fil-A Diet Lemonade
4K3EHW	Large Chick-fil-A® Diet Lemonade
4NRJQK	Large Chick-fil-A® Diet Lemonade
4TG3JQ	Large Diet Lemonade
6GX8GW	Large Chick-fil-A® Diet Lemonade
6U42BU	Large Chick-fil-AA Diet Lemonade
7JBXVH	Large Chick-fil-A Diet Lemonade
7JJCQE	Large Chick-Fil-A diet lemonade
8B2ZBT	Large Chick-fil-A Diet Lemonade
8NQZ3V	Large Chick-Fil-A Diet lemonade
9C78QQ	Large Chick-fil-A® Diet Lemonade 1 $2.39
9HHYJC	Large Chick-fil-A Diet Lemonade
B3F9DQ	Large Chick-fil-a Diet Lemonade
B8BZLM	Large Chick-fil-A® Diet Lemonade
BEBE9A	Large Chick-fil-A® Diet Lemonade
BH92XQ	Large Chick-fil-A Diet Lemonade
BPQALN	Large Chick-fill-A Diet Lemonade
BTU67Q	Diet Lemonade
BUL4JP	Large Diet Lemonade
BUZM4L	Large Chick-fil-A® Diet Lemonade
BVTL28	Large Chick fill AA Diet Lemonade
C79P3P	Large Chick-fil-A® Diet Lemonade
CBPXQN	Large Chick-fil-A Diet Lemonade

TABLE 1

Question 40 - Examination Questions	
WebCode	**Response**
CMW3GG	Large Chick-fil-A® Diet Lemonade
CNYNEH	Large Chick-fil-A® Diet Lemonade
CQKEFM	Large Chick-fil-A diet lemonade
DENLTG	Large Chick-fil-A Diet Lemonade
E3NJJK	Large Chick-fil-A Diet Lemonade
E8HDGL	Large Chick-fil-A® Diet Lemonade
EZZ9KE	Large Diet Lemonade
FF8LEG	Large Chick-fil-A® Diet Lemonade
FHXMK6	Large Chick-fil-A Diet Lemonade
FN2Q9H	Large Chick-Fil-A Diet Lemonade
G26EZC	Diet Lemonade Large.
G64QVC	- Kind: Diet Lemonade, - Size : Large
G8R3VH	Large Chick-fil-A Diet Lemonade
GMJZWD	Large Diet Lemonade
J2FXXE	Large diet limonade
J3QZJD	Large Chick-fil-A Diet Lemonade
J6G2P2	Large Chick-fil-A® Diet Lemonade
J99YP6	Large, Diet Lemonade
JABU6B	Large Chick-Fil-A Diet Lemonade
JKQQ33	Large Diet Lemonade
LAJR6D	Failed to parse HTML content , you can switch to "Text" to view the content. Text only provides <u></u>
LFPNND	Large Chick-fil-A® Diet Lemonade
M3XEGX	Large Chick-Fil-A Diet Lemonade
MDD9UC	Large Chick-fil-A® Diet Lemonade
MYY3KX	Large Chick-Fil-A Diet Lemonade
N7XPBC	Chick-fil-A Spicy Chicken Sandwich Meal, Spicy Chicken Sandwich, Medium Chick-fil-A Waffle Potato Fries
NKU4B7	Large Diet Lemonade
NZR7X6	Large Diet Lemonade
P2XZ7A	Large Chick-fil-A Diet Lemonade

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 40 - Examination Questions	
WebCode	**Response**
PEMW99	Large Chick-fil-A® Diet Lemonade
PHLBTC	Large Chick-fil-AÂ® Diet Lemonade
Q328NT	Large Chick-fil-A Diet Lemonade
Q9QRRA	Large Chick-Fil-A Diet Lemonade
QCCAAU	Large Diet Lemonade
QPXBKL	Large Diet Lemonade
QR2H68	Large, Chick-fil-A® Diet Lemonade
R9AVZA	Large Chick-fil-A® Diet Lemonade
RLZJF3	Large Chick-Fil-A® Diet Lemonade
TBUXQF	Large Chick-fil-A® Diet Lemonade
TWBK68	Large Chick-fil-A® Diet Lemonade
UGDP88	Large Chic-fil-a Diet Lemonade
UU4CNZ	Large diet lemonade
UWP4P6	Large Chick-fil-A® Diet Lemonade
UWZRKH	Large Diet Lemonade
UYTY99	Large Chick-fil-A® Diet Lemonade
VCZ8PQ	Large Diet Lemonade
VMY6B6	Large Diet Lemonade
VQXF86	Large Chick-fil-A® Diet Lemonade
VTKXPP	Large Chick-fil-A® Diet Lemonade
VVNQG3	Large Chick-fil-A Diet Lemonade
W4XGJ7	n/a
W98U26	Large Chick-fil-A® Diet Lemonade
WPV8FW	Large Chick-fil-A® Diet Lemonade
XDH8J3	Large Diet Lemonade
XURWW4	Large Chick-fil-A® Diet Lemonade
XV3YH3	Large Chick-fil-A® Diet Lemonade
Y8QK23	Large Chick-fil-A® Diet Lemonade
YCL3NU	Large Chick-fil-A® Diet Lemonade
YH86LY	Large Chick-fil-A® Diet Lemonade

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 40 - Examination Questions	
WebCode	**Response**
Z2GJHK	Large Diet Lemonade
Z7XNEU	Large Diet Lemonade
ZNNNZC	Large and Diet Lemonade

Question 40: What size and kind of beverage (other than a milkshake) did the user order at Chick-fil-A on December 8, 2020?

Consensus Result: Large Chick-fil-A® Diet Lemonade and variations representing the same information

Expected Response Explanation:

Order data for the Chick-fil-A app is stored in a realm database data/data/com.chickfila.cfaflagship/files/default.realm.
The class_orderEntity table contains information for this order at id:1 under “lineItems”.

Expected Response Illustration:

Cellebrite database view of default.realm

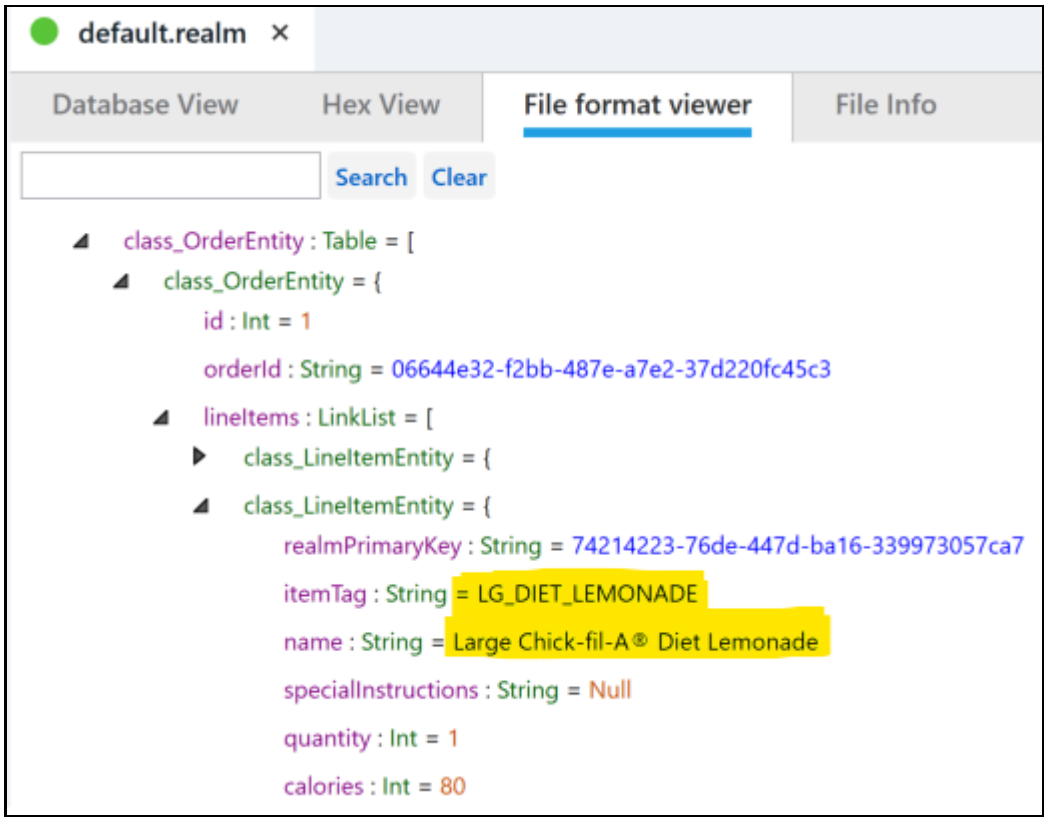


TABLE 1

Question 40 - Examination Questions

mongoDB Realm Studio view of default.realm

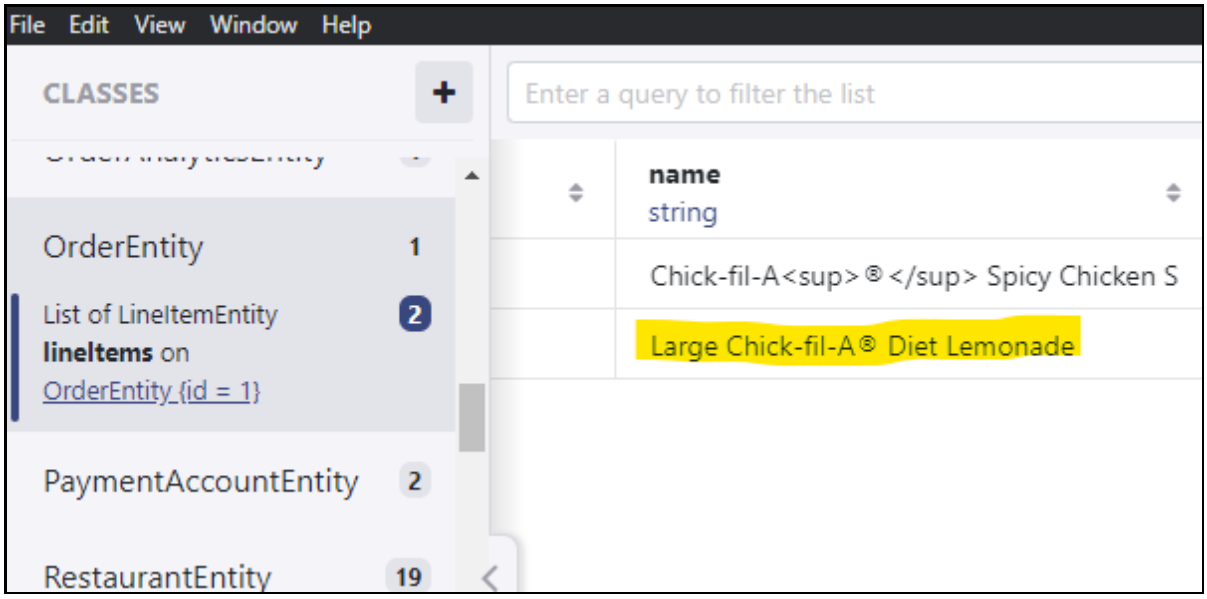


TABLE 1

Question 41 - Examination Questions

Question 41: From what Starbucks store (number) did the user make a purchase on November 7, 2020? (Provide store number only)

Manufacturer's Expected Response: 10622

WebCode	Response
2MC97B	Starbucks store number : 010622
2QFHGZ	"storeNumber" : "10622",
2V7RQX	10622
3LETCX	10622
44E4VU	10622
4K3EHW	
4NRJQK	10622
4TG3JQ	10622
6GX8GW	10622
6U42BU	2401
7JBXVH	10622
7JJCQE	10622
8B2ZBT	10622
8NQZ3V	010622
9C78QQ	10622
9HHYJC	10622
B3F9DQ	No answer found
B8BZLM	010622
BEBE9A	10622
BH92XQ	10622
BPQALN	10622
BTU67Q	10622
BUL4JP	10622
BUZM4L	10622
BVTL28	Store number is 010622
C79P3P	10622
CBPXQN	10622

TABLE 1

Question 41 - Examination Questions	
WebCode	**Response**
CMW3GG	10622
CNYNEH	10622
CQKEFM	010622
DENLTG	10622
E3NJJK	10622
E8HDGL	10622
EZZ9KE	10622
FF8LEG	10622
FHXMK6	10622
FN2Q9H	10622
G26EZC	15954430282
G64QVC	10622
G8R3VH	10622
GMJZWD	10622
J2FXXE	10622
J3QZJD	10622
J6G2P2	10622
J99YP6	10622
JABU6B	10622
JKQQ33	10622
LAJR6D	8635
LFPNND	10622
M3XEGX	10622
MDD9UC	10622
MYY3KX	10622
N7XPBC	10622
NKU4B7	10622
NZR7X6	010622
P2XZ7A	10622
PEMW99	10622

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 41 - Examination Questions	
WebCode	**Response**
PHLBTC	10622
Q328NT	10622
Q9QRRA	10622
QCCAAU	10622
QPXBKL	010622
QR2H68	10622
R9AVZA	10622
RLZJF3	10622
TBUXQF	10622
TWBK68	10622
UGDP88	010622
UU4CNZ	10622
UWP4P6	010622, also listed as 10622
UWZRKH	10622
UYTY99	010622
VCZ8PQ	10622
VMY6B6	10622
VQXF86	10622
VTKXPP	10622
VVNQG3	10622
W4XGJ7	10622
W98U26	010622
WPV8FW	10622
XDH8J3	10622
XURWW4	10622
XV3YH3	10622
Y8QK23	10622
YCL3NU	Not found
YH86LY	10622
Z2GJHK	10622

Revised: July 19, 2021. Updates to the "Other Response" section for Q9 and a participant's result for Q32.

TABLE 1

Question 41 - Examination Questions	
WebCode	**Response**
Z7XNEU	10622
ZNNNZC	Starbucks store number(010622)

Question 41: From what Starbucks store (number) did the user make a purchase on November 7, 2020? (Provide store number only)

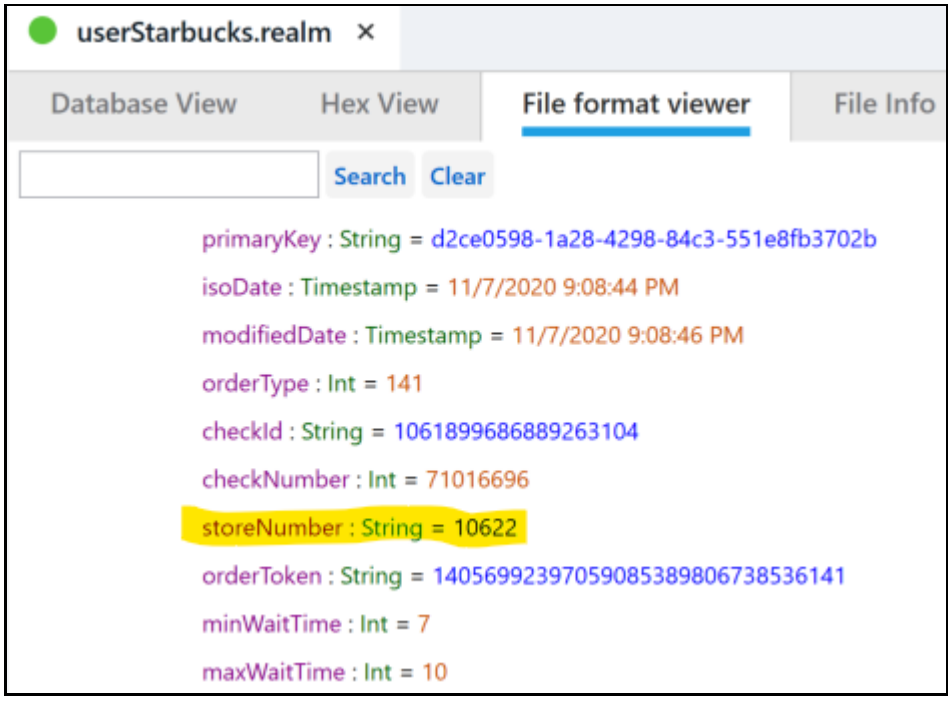
Consensus Result: 10622

Expected Response Explanation:

User data for the Starbucks app is stored in a realm database /data/data/com.starbucks.mobilecard/files/userStarbucks.realm.
The class_Transaction table contains information for visits. There is only one visit in the table, 11/7/2020 9:08:44 PM, at store number 10622.

Expected Response Illustration:

Cellebrite database view of userStarbucks.realm



mongoDB Realm Studio view of userStarbucks.realm

Additional Comments

TABLE 2

WebCode	Additional Comments
2MC97B	We will need lowimage file(dd,bin) not cellebrite case(ufc).
4TG3JQ	The entire process is very tool specific. I have raised this issue in the past. Depending on the tool used, then not all answers will be identified. It's not just about you supplying a ufd file. ISO accredited Labs have to operate within their accredited methods and that is also tool specific. Questions such as tool version is unfair of practitioners not familiar with UFED. Running fuzzy wizard / App Genie etc similarly fall into that.
B8BZLM	Question #37 – I'm not sure if you were asking for the account name in addition to or instead of the application name but it is gordonjamerson9@gmail.com Question #38 - On 11/7/2020 – an email was received from Google photos also- it had the word welcome in it, but the wording of the question makes it sound like you are only requesting 1 service. Facebook seemed the more obvious since Welcome was in the subject line.
BUZM4L	QUESTION 22: The answer could be 16 or 26, depending on how one defines "SMS". There are 26 unread messages (out of 60 total) indicated within the sms() table in mmssms.db. 16 of these are from com.android.providers.telephony and 10 from com.android.mms. This would arguably indicate that these 10 messages are actually MMS messages and the correct answer is 16. On the other hand, one could argue that since Android lists them all within the sms() table, the correct answer is 26. I ran this image through Magnet Axiom and it lists all 60 text messages (including all 26 unread text messages) as "SMS", further muddying the water. Assuming further that we are looking for all 26 unread sms() entries, how do we define "unique". Based on unique timestamps on the device, the answer is 26. However, there are two messages that were recorded two seconds apart on 11/28 that contain the same message body. If those are not considered unique, the answer then becomes 25.
C79P3P	2. The answer given is SHA1 base 16. Another SHA1 base 32 is: OC7RYBSUMGC2FCZ46Z3WFTEP6VQ5DWCU. The question is not specific to which SHA1 hash function should be used. 6. The question asks for the model name / number, but the example given only has the model name. This could be confusing for test takers. 19. LG GSM_LM-X420MM K40.zip/data/data/ch.protonmail.android/shared_prefs/ch.protonmail.android_preferences.xml 30. BRD Bitcoin Wallet. BTC, Bitcoin Cash, Ethereum is also referred to as breadwallet.
G8R3VH	The Scenario and Item Description document dated 23-Feb-21 incorrectly identified the extraction type as a physical extraction.
GMJZWD	Question 8: The extraction report did not clearly state what timezone the handset was configured in. This answer was formed from the Last Activation Time (showing as UTC+0). The report was not altered and settings left to show date/times same as original device. Question 20: Multiple searches for strigiformes within the extraction came back with zero results. The only hit I found was for a google search for Owls but believed this was not the correct answer. Question 37: Searching through the app's database, I found it was linked with multiple accounts but nothing was visible in regards to which tokens where configured with the Authy2 app. The question suggests one app/token is configured but I could not locate any information on configuration.
J3QZJD	Question 10: The device phone number (MSISDN) was not parsed and no number was listed in the common locations of that information, telephony.db or simcard.dat in this extraction but the number 17036499750 was listed at the path "/data/user_de/0/com.android.server.telecom/phone-account-registrar-state.xml" with the carrier and ICCID with service. The same number was also listed under user accounts such as

TABLE 2

WebCode	Additional Comments
	the Chick-fil-A mobile application, Instagram, WhatsApp, and mms preferences.
LAJR6D	As before there seems to be some problem with the file you guys are putting out. I get different results each time I open my Physical Analyzer and load the same file. Some words, MAC addresses etc. just do not exist in any way shape or form in an overall search and advanced searches. I cannot provide answers that do not appear in my extraction.
NKU4B7	This Pt has been provided alongside a UFD dump file which has an associated zip file. this PT has been developed with UFED as a tool preference, however to validate and identify best evidence, other vendor tools have been used to come to these conclusions.
UWZRKH	For question 20, I searched for the string using Cellebrite Physical Analyzer, Oxygen Forensic Detective, EnCase Forensic, and AXIOM Examine. None of the tools located this string in the image.
WPV8FW	The format HH:MM AM/PM is not a format commonly used in the UK. I have researched how this should look and although it appears the time should not be given in a 24hr format there appears to be no clear guidance to define if the preceding 'hour' zero should be dropped.
Z7XNEU	Question 22 Comment: The messages in the sms tab of the mmssms.db database file include a total of 26 unread messages. However 10 of those messages contain a shortened link or such that could classify it as an mms message. Therefore there are 26 total unread messages but 16 true unread sms messages. This was a little confusing. Question 25 Comment: This question like some others do not indicate a UTC timezone. The answer was assumed to be in UTC + 0 and matched to the MM:SS to get a clear answer. I think if some questions indicate a timezone and others do not it can be confusing forcing some assumption on the analysts part. Question 26 Comment: For this question UTC is listed as the timezone in that format however in Question 23 it is indicated as UTC + 0. I think there should be more consistency in the timezone formats throughout the test. Question 38 Comment: My answer for this question was Facebook as I think that is what is expected however I think an argument could be made for the answer Google Photos. The text "Welcome to Google Photos" is listed in the subject of the email. The subject line also reads "Finish setting up your account" which could also serve as an account confirmation in my opinion.
ZNNNZC	thank you...

-End of Report-
(Appendix may follow)