Mobilytix Forensic Report

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Digital Forensic Report

1. Executive Summary

This digital forensic report presents the findings of an investigation into a Motorola Edge 20 Fusion device. The analysis focused on call logs, SMS messages, and contact information. Key findings include a total of 1503 calls, with an average duration of 45.9 seconds, and 87 SMS messages, with an average length of 156 characters. The most frequently called numbers and messaged contacts have been identified, and patterns of communication have been analyzed.

2. Device Overview

The device under investigation is a Motorola Edge 20 Fusion, with the following specifications:

Manufacturer: Motorola

Model: Motorola Edge 20 Fusion

Android Version: 13

Security Patch: 2024-06-01

Build Date: Wed Jun 19 17:23:11 CDT 2024

SDK: 33 The device was collected on an unspecified date and time, and the method of collection is not documented in the provided data.

3. Communication Patterns Analysis

The overall communication behavior on the device indicates a high volume of calls, with a total of 1503 calls recorded. The peak activity times are not explicitly stated in the data, but the call log entries suggest a mix of morning, afternoon, and evening calls. Communication frequency trends show a preference for calling certain numbers, with the top 5 most called numbers accounting for a significant portion of the total calls.

4. Call Log Analysis

The call log analysis reveals the following statistics:

Total calls: 1503

Total call duration: 68973 seconds (1149.5 minutes)

Average call duration: 45.9 seconds

Longest call: 3081 seconds (51.4 minutes)

Most frequent contacts:

+919560599390 - 231 calls

+919833254304 - 138 calls

+919007694560 - 123 calls

+919825412190 - 99 calls

+919667333244 - 87 calls Call patterns and anomalies include a high number of brief calls, with some calls lasting only a few seconds. The longest call, lasting 51.4 minutes, is notable and may require further investigation.

5. SMS Message Analysis

The SMS message analysis reveals the following statistics:

Total messages: 87

Average message length: 156 characters

Longest message: 389 characters

Most frequent contacts:

45 messages

620016 - 6 messages

+919162118775 - 6 messages

+919348086456 - 3 messages

+918134910944 - 3 messages Message content themes are not explicitly stated in the data, but the presence of a high number of messages to a single contact (45 messages) may indicate a significant relationship or communication pattern.

6. Contact Database Review

The contact database review reveals a total of 1512 contacts stored on the device. The organization of contacts is not explicitly stated in the data, but the presence of a large number of contacts suggests a high level of social or professional activity. Notable entries include the top 5 most called numbers and the most frequent messaged contacts, which may indicate important relationships or communication patterns.

7. Suspicious or Notable Indicators

The analysis has identified several suspicious or notable indicators, including:

Unusual patterns: A high number of brief calls and a large number of messages to a single contact.

Red flags or concerns: The presence of a high number of calls to a single number (+919560599390) may indicate a significant relationship or communication pattern.

Deleted or hidden data indicators: None explicitly stated in the data.

Timing anomalies: The presence of calls and messages at various times of day, including morning, afternoon, and evening, may indicate a flexible or unpredictable schedule.

8. Conclusions and Recommendations

In conclusion, the analysis of the Motorola Edge 20 Fusion device has revealed a high volume of calls and messages, with notable patterns and anomalies. The most frequent contacts and communication patterns have been identified, and areas for further investigation have been highlighted. Recommendations include:

Further analysis of the call log and SMS message data to identify potential relationships or communication patterns.

Investigation into the significance of the top 5 most called numbers and the most frequent messaged contacts.

Analysis of the contact database to identify potential notable or suspicious entries.

Consideration of the device's security and potential vulnerabilities, given the presence of a high number of contacts and communication activity.