

# paraben<sup>®</sup> corporation paraben.com Mobile Forensics Technology

Mobile forensics is the most actively changing field in DFIR, and because of this, the technology used must be pushing the boundaries of innovation. Paraben has been a leader innovating the field of mobile forensics for the last 20 years. Since 2001 Paraben has created and designed solutions to solve the problems of mobile devices when it comes to digital evidence.

*“After 20 years of working on mobile devices, you learn a lot on what does and does not work. When we design our mobile tools at Paraben, we do it from the perspective of an examiner keeping it clean, clear, and comprehensive. From logical, physical, and cloud data we cover all that is needed when working with a mobile device of any type.”* –Amber Schroader, CEO, and Founder of Paraben



Whether you are new to mobiles or have years of experience, Paraben Mobile Technology can help you to get the job done. From being able to carve media from memory to provide the first look at data from IoT devices, Paraben is full of firsts. As a small company, we focus on research to help you dig through the piles of data that exist in mobile devices. With support for over 35,000+ device profiles and growing with each release, you can't go wrong. Paraben has a place in your toolbox.

Many organizations worry about what changing tools or starting to do mobile forensics will do to their turnaround time. We have taken that concern to heart with the inclusion of a free online course that teaches you the basics to get you started. You will even receive an operator level certification upon completion.

Beginning to use Paraben in your organization has never been easier with an intuitive interface and out of this world documentation, plus 24x7 forensic support means Paraben has you covered with your mobile forensics needs. Within 5-days of starting with E3 you know you can process devices, work through data, and provide clear reports of your findings.



*Quality you can trust. Paraben has been doing mobile forensics for over 20 years. From the first TDMA to the last smartphone standing, you know Paraben will be innovating solutions for you.*

## DEALING WITH APPS

How does your tool deal with Apps? Over 90% of the time spent on a mobile device is spent inside an App. Paraben's easy-to-navigate App directory keeps all the Apps together with both parsed data and easy links to follow to any raw data associated with the App. We also share the metadata on the App with permission controls.

## VARIETY OF DEVICES

Paraben always takes a global perspective on devices, with support for feature phones, GPS devices, IoT devices, Android, iOS, even legacy support with BlackBerry, Windows Phones. We also focus on direct chipset acquisitions. With over 36,000+ device profiles supported; you are covered with Paraben.



Paraben's Platform is known as E3 or Electronic Evidence Examiner. All of the capabilities for E3 are available under a single interface so there is no need to switch between different tools to complete the variety of tasks during your investigation. The following is a chart of primary features in the E3 platform in regards to mobile technology. There are a variety of other features also available for computer analysis, email analysis, OSINT, etc. Just ask your representative or email us at [sales@paraben.com](mailto:sales@paraben.com).



Available Features
Mobile Data Triage
Data Sorting by File Types
Full-Text Indexing
Activity Timeline Capture
Optical Character Recognition (OCR)
Malware Scanning Mobile
Hash Databases for Filtering
Advanced Multi-Parameter Searching
Keywords Searching
Emoji Searching
Quick Sorted Files Filtering
Bookmarks with a Multi-Level Tree-View Structure
File Viewer
Hex Viewer
Text Viewer
RTF Viewer
Email Data Viewer
100+ Unique File Viewers
Color Customization
Time Zone Customization

Global Support
International App Support
Chinese Chip Support with Bypass (MTK and Spreadtrum)
EDL Chip Support with Bypass
Localized Reporting (Spanish, French, Polish & Chinese)

Acquisition Support
Support of All Smartphone Firmware
Logical Imaging
Physical Imaging
Bootloader Imaging
Rooting Imaging
Lock Bypass Options
Android Rooting Engine
Jailbreak Physical Imaging

Chip Analysis
JTAG Analysis
Chip-Off Analysis

App Analysis
Built-in App Parsing & Carving
App Meta Data Details
SQLite Databases

IoT Support
Amazon Echo
DJI Go (Drone)
Fitbit Bands
Smartwatches (Android & Tizen)

Import Support
Cloud Data Import
iTunes & BlackBerry Backup Import
iTunes Encrypted Backup Import
GrayKey Support
Cellebrite iOS Import

## Booster Image Analysis Option

Scan for items such as weapons, drugs, illicit content, and extremism with this automated engine you get the data you need quickly categorized for a \$99 annual license fee.

## Show off your hard work...

Many people neglect one of the most important aspects of an investigation: the report. The report is the end product of all the hard work you have put in, so you want to make sure you have options that they shine.

The E3 Platform has a large variety of report types that allow you to share the information you have discovered in an easy-to-follow format.

Everything from timeline reports that can dynamically move to our Mobile Data Review report that we refer to as our kick-ass report, you have what you need to share the right information with anyone.

Scripting Capabilities
Python
C#
PowerShell

Reporting Features
Search Results Report
HTML Investigative Report
HTML Evidence Summary Report
Simple CSV Report
Simple TXT Report
Simple RTF Report
Mobile Data Review Report Multiple Languages:
<ul style="list-style-type: none"> <li>Chinese</li> <li>Spanish</li> <li>Polish</li> <li>French</li> </ul>
Mobile Data Report Excel
Mobile Data PDF Report
Mobile Data Timeline Report

Application Name	Version	Category	Manufacturer	Malware Suspectious	Internal Application Name
Chrome	67.0.3396.87	Communication	Google Inc.	Suspect	com.android.chrome
Facebook	161.0.2.56.62	Social	Facebook	Suspect	com.facebook.latina
Instagram	96.0.0.13.76	Media & Video	Burton Inc.	Suspect	com.instagram.android
Kik	14.1.2.11629	Unknown	Kik Interactive	Low Suspect	kik.android
Maps	9.93.0	Navigation	Google Inc.	Low Suspect	com.google.android.apps.maps
Messenger	175.0.0.23.61	Communication	Facebook	Highly Suspect	com.facebook.orca
Snapchat	10.37.5.0	Social	Snapchat Inc.	Suspect	com.snapchat.android
WhatsApp	9.17.0	Communication	WhatsApp Inc.	Low Suspect	whatsapp
Assist	2.5.4	Unknown	Unknown	Highly Suspect	com.motorola.contextual.smartassist
Audible	2.56.0	Unknown	Unknown	Low Suspect	com.audible.application
Clock	3.2.1 (4620141)	Unknown	Unknown	Low Suspect	com.google.android.deskclock
Cloud Print	1.40	Unknown	Unknown	Low Suspect	com.google.android.apps.cloudprint
Drive	2.18.232.03.34	Unknown	Unknown	Low Suspect	com.google.android.apps.docs
Droid Zap	Zap 3.2.010	Unknown	Unknown	Suspect	com.motorola.zap
Email	4.8	Unknown	Unknown	Suspect	com.motorola.motormail
Google	7.1.19.194325471-916650-91	Unknown	Unknown	Low Suspect	com.google.android.inappm

Field	Value
Program Timestamp	8/2/2016 3:28:43 PM
Acquisition Type	Android Logical
SIM Serial	8914800000713477003
Device ID (IMEI) (B1R 2)	000000000000000
Subscriber ID (IMSI)	311480072962826
Device Software Version	00
Line 1 Number	8502325708
Network Type	Unknown
Phone Type	GSM
SIM Operator	311480
SIM Operator Name	Verizon Wireless
SIM is present	Yes
Brand	MOTOROLA
Device	XT1080
Firmware ID	SLX7.2
Model	XT1080
Product	motorola-ventura

Date (GMT)	Type	Duration	New	Number	Number Type (Cached)	Name (Cached)
10/13/2016 7:20:23 AM	Incoming	00:03:57	No	+1 026-523-2211	Mobile	Mom



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