

OXYGEN FORENSIC[®] DETECTIVE

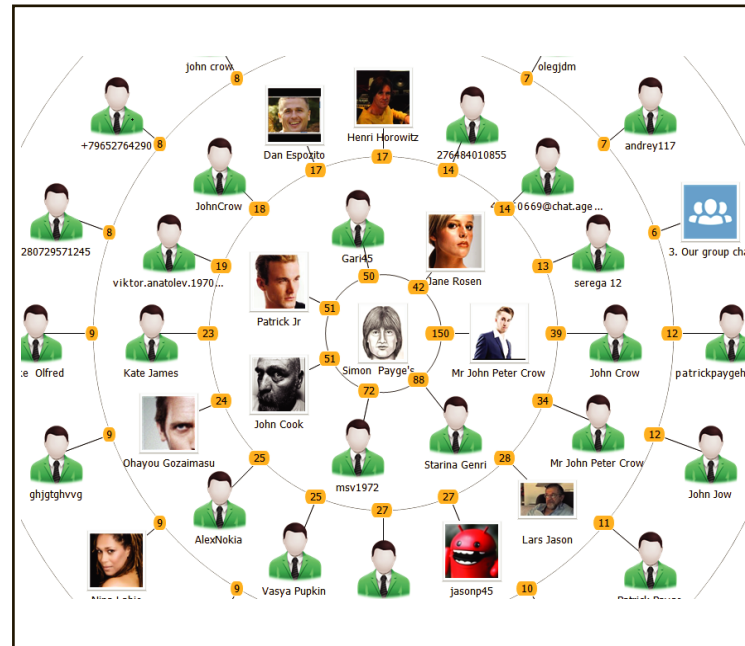
Built-in Analytical Tools



LINKS BETWEEN CONTACTS



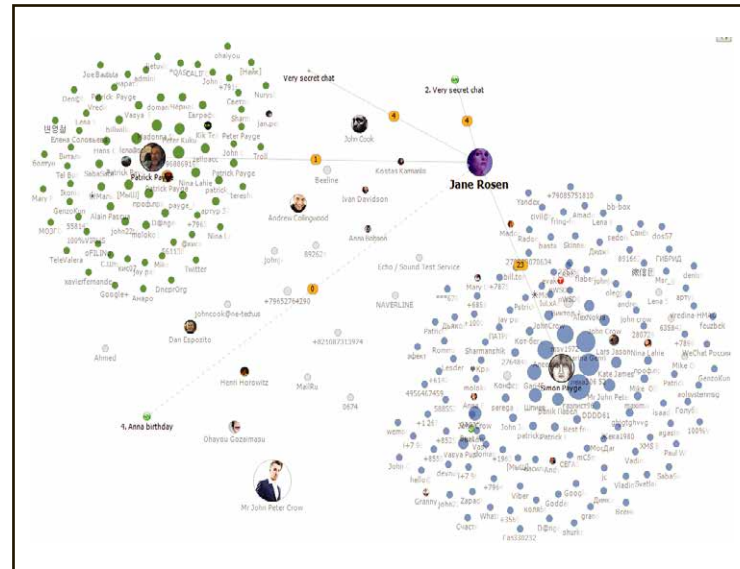
Links and Stats provide a convenient platform to explore social connections between a device owner and contacts by analyzing calls, messages, and app activities. A table view organizes details of communications to include contacts, phone numbers, and frequency, as well as time and duration. Switching to the diagram view, investigators may visualize communication circles, allowing them to identify the device owners closest contacts. Click on any contact to open a card containing detailed information about the selected contact and all communications across device sources, including messengers and social networks. Diagrams may be saved as an image to a PC or exported together with the link data to a report in PDF, RTF, and other supported file types.



LINKS BETWEEN DEVICES



The Social Graph visually maps connections between one or more devices involved in a single case or investigation to help identify device communications and common contacts. This interface is dynamic, and investigators can drag and drop to move, hide, or merge contacts while producing a clear view of device and case common connections and contacts. Filter by date range, contacts, and applications to identify most frequently contacted connections, preferred communication patterns, and first and last dates of communication. When an image of the connections is required the investigator can easily add visual Snapshots to reports for a case.



“Social Graph is one of the methods that DETECTIVE provides to let examiners visualize a user’s activities. It does a FANTASTIC job! Social Graph creates a link chart with all forms of communications that it can find (calls, SMS, chat apps, etc.) and lets an examiner instantly see with whom the user of the device has frequent communications. In the past, I had used tools that provided this functionality, but it often felt bolted on and not fully functional.”

Matt Edmondson - A recognized forensic expert

EVENTS TIMELINE

The Timeline section provides a view of all device events in one list – messages and chats within apps, calls, Web activity, Wi-Fi connections, photos with time stamps, and more. Events can be viewed for one device or a group of devices, allowing easy identification of common group activities. Sort and filter by date, time, activity frequency, contact, remote party, or other data points to focus only on the most relevant data.

List	Date	Contact	GEO data	Description
<input checked="" type="checkbox"/>	01/03/2013 16:16:20	Mr John Peter Crow <+79688685325>		I see
<input checked="" type="checkbox"/>	01/03/2013 16:00:00	Mr John Peter Crow <+79688685325>		So many calls from our partners
<input checked="" type="checkbox"/>	01/03/2013 15:59:44	Mr John Peter Crow <+79688685325>		I am busy at the moment
<input checked="" type="checkbox"/>	01/03/2013 15:53:34	Mr John Peter Crow <+79688685325>		Hey hurry up
<input checked="" type="checkbox"/>	01/03/2013 15:45:26	Group: 2 Very secret chat		Mr John Peter Crow: No news
<input checked="" type="checkbox"/>	01/03/2013 15:45:14	Mr John Peter Crow <+79688685325>		No
<input checked="" type="checkbox"/>	01/03/2013 15:31:22	Mr John Peter Crow <+79688685325>		What about human trafficking?
<input checked="" type="checkbox"/>	01/03/2013 15:31:00	Mr John Peter Crow <+79688685325>		Hi
<input checked="" type="checkbox"/>	01/03/2013 15:29:23	Mr John Peter Crow <+79688685325>		incoming
<input checked="" type="checkbox"/>	01/03/2013 15:24:12	Mr John Peter Crow <+79688685325>		Know this guy?
<input checked="" type="checkbox"/>	01/03/2013 15:24:08	Mr John Peter Crow <+79688685325>		Media/79688685325@s.whatsapp.net/16168258c03e
<input checked="" type="checkbox"/>	01/03/2013 15:23:43	Jane Rosen <+79636041032>		Can we meet?
<input checked="" type="checkbox"/>	01/03/2013 15:23:39	Jane Rosen <+79636041032>		Are you in Moscow?
<input checked="" type="checkbox"/>	01/03/2013 15:23:32	Jane Rosen <+79636041032>		Hi Jane
<input checked="" type="checkbox"/>	01/03/2013 15:17:00	Viber		Your Viber code is: 9726 Close this message and enter
<input checked="" type="checkbox"/>	01/03/2013 13:01:45	mC5mPUPZhi2zQPZzhN8s-g		Welcome To Tango!
<input checked="" type="checkbox"/>	27/02/2013 12:15:48	+19635698963		jasconp45: <sms alt>Do you know that I am in London
<input checked="" type="checkbox"/>	27/02/2013 12:15:48	+19635698963		jasconp45: Do you know that I am in London?

CONTACTS FROM VARIOUS SOURCES

The Aggregated Contacts tool populates all contacts from multiple sources, including phonebook, messages, calls, and hundreds of apps. Manage a single profile for each contact based on activity and data across all sources for comprehensive analysis of communications and group chats from all applications. Manually merge contacts from different sources once deemed to be the same person, and quickly filter or sort by data source for analysis.

Jane Rosen lena@solove.ru Event Log Messages (SMS - Sent) Kakao Talk (Contacts/Kakao Talk users) Viber (Contacts/Viber contacts) WhatsApp Messenger (Contacts/WhatsApp) WhatsApp Messenger (Messages/WhatsApp)	Home page: http://www.londonbridge... www.icons.com Home: www.jane.com Work: jane@rosen.com Account name: lenasoloveva	Mobile: +79636041032 +7 (963) 604-10-41 +44 7795 161646 Account name: +79636041032	General address ZIP: SE1 1XF City: London CountryCode: gb Street: Tulp House City: Berlin CountryCode: de Street: Green Street 765 Country: Germany	Job title: Expert Company: Antiquary
Jane Rosen Phonebook (Device)	Home page: http://www.londonbridge... www.icons.com Home: www.jane.com Work: jane@rosen.com Account name: lenasoloveva	Mobile: +79636041032 +7 (963) 604-10-41 +44 7795 161646	General address ZIP: SE1 1XF City: London CountryCode: gb Street: Tulp House City: Berlin CountryCode: de Street: Green Street 765 Country: Germany	Job title: Expert Company: Antiquary
Jane Rosen Viber (Contacts/Viber contacts)	Phone number: +79636041032			

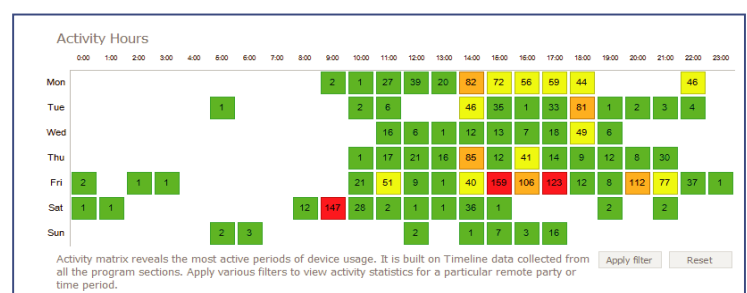
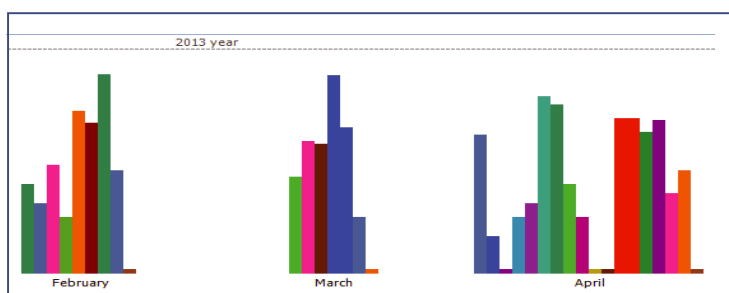
POWERFUL DATA SEARCH

Search across a single device, all devices in a case, or all devices in a database for text, phone numbers, email addresses, geo coordinates, IP addresses, MAC addresses, credit card numbers, and file hashes with Global Search. A Regular Expression library is available for custom search functions, and the Keyword List Manager and Watchlists allow investigators to create a set of keywords and perform searches during or after an extraction.

Type	Device	Source	Value	Description
Evernote	Patrick Payge's HTC EVO 3D	Evernote	kill	Query: kill*
Google Translate	Simon Payge's iPhone	Google Translate	kill	Source text: i want to kill you
Google Translate	Simon Payge's iPhone	Google Translate	kill	Source text: i want to kill you
Google Translate	Simon Payge's iPhone	Google Translate	kill	Source text: i want to kill you
Google Translate	Simon Payge's iPhone	Google Translate	kill	Source text: i want to kill you
Kakao Talk	Patrick Payge's HTC EVO 3D	Kakao Talk	kill	Text: Though I think he looks like Luca the killer
Kakao Talk	Simon Payge's iPhone	Kakao Talk	kill	Text: Though I think he looks like Luca the killer
Messages	Simon Payge's iPhone	patrickpaygehome@g...	kill	Text: Chatting again? This will kill you, Patrick...
Phonebook	Simon Payge's iPhone	Ivanenko Vladimir	kill	Note: Killer
Phonebook	Simon Payge's iPhone	Lee Steve	kill	Nickname: Killer
Twitter	Patrick Payge's HTC EVO 3D	Twitter	kill	Text: DOJ memo lays out Obama Administration's
Twitter	Patrick Payge's HTC EVO 3D	Twitter	kill	Text: Obama to disclose to Congress legal advice
Twitter	Patrick Payge's HTC EVO 3D	Twitter	kill	Text: Yes! RT @Southflor: With his royal scepter

DEVICE ACTIVITY OVER TIME

View device usage volume for time ranges as short as one second or as long as one year, and use the Activity Matrix – a heatmap of device events broken down into intervals – to quickly identify periods of high usage across all contacts or between contacts of interest.



Oxygen Forensics was founded in 2000 as a PC-to-Mobile Communication software company. This experience has allowed our team of mobile device experts to become unmatched in understanding mobile device communication protocols. With this knowledge, we have built innovative techniques into our Oxygen Forensic® Detective allowing our users to access much more critical information than competing forensic analysis tools. Oxygen Forensic® products have been successfully used in more than 100 countries and our customers include various US and European federal and state agencies, such as the IRS, US Army, FBI, US Department of Defense (DOD), US Department of Justice, US Department of Homeland Security, US Department of Transportation, US Supreme Court, European Commission, Interpol, London Metropolitan Police, French National Police and Gendarmerie, German Federal Criminal Police Office, Italian Financial Guard, Spanish Civil Guard, Hong Kong Customs, etc.

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