



➤ Discover evidence and intelligence

➤ Analyze and visualize data

➤ Create reports and share findings

Today's mobile phones and other portable devices store more data than ever before. As a result, the task of searching, filtering, and analyzing this data has become significantly more complex. When time is critical, you need to locate key information quickly, even within vast datasets.

Whether your goal is to gather intelligence, detect crime, or deliver clear, actionable evidence, XAMN provides powerful, intuitive tools that enable the fastest possible route from raw data to vital insights and comprehensive reporting.

The right tools in the right hands

XAMN is designed with one goal in mind: to increase analytical efficiency - so that you can find what you are looking for quickly and easily.

A key element to successfully analyzing large volumes of data in digital forensics investigations is to understand how to process and contextualize the data, find the evidence it contains and then produce a comprehensive report. To do that, you need smart analytics – to search, filter, analyze and find the data quickly and at scale. To cross-examine data from multiple devices and individuals. Then to share with those who need to know.

No digital forensic analysis tool does that better today than XAMN.

There are two versions of MSAB Analyze - XAMN:

XAMN Pro

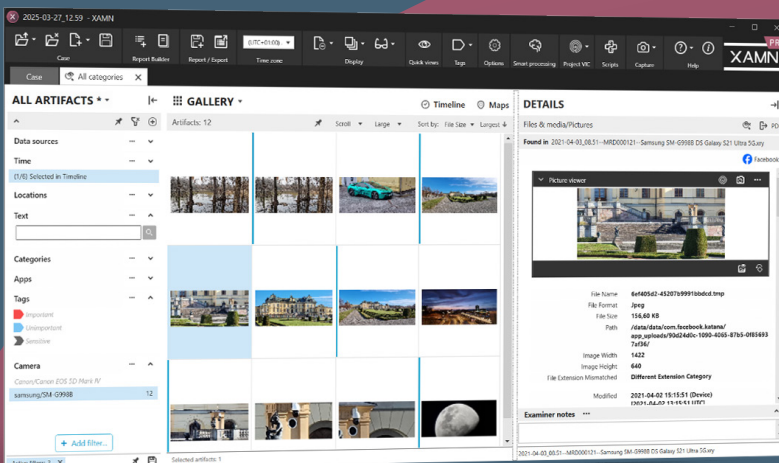
An intuitive yet extremely powerful review and analysis tool that provides unprecedented search, linking, and filtering options that enables investigators, analysts and digital examiners to quickly discover evidence in mobile data. XAMN Pro simplifies and speeds up your work and is the tool of choice for anything from review of pictures and messages to advanced hex carving. XAMN Pro also includes extensive options for reporting and exports.

XAMN Pro + UNIFY Collaborate

- Use the full power of XAMN Pro with added seamless collaboration!
- Work together with your colleagues on the same cases in real time.

XAMN Viewer

A free and easy-to-use tool that enables users of all levels in your organization to access, perform basic review, and create reports for mobile device data.



XAMN enables you to display and sort through your data fast and efficiently.

Reveal critical evidence and intelligence faster

Leverage XAMN's unprecedented ease-of-use and review capabilities for quick results

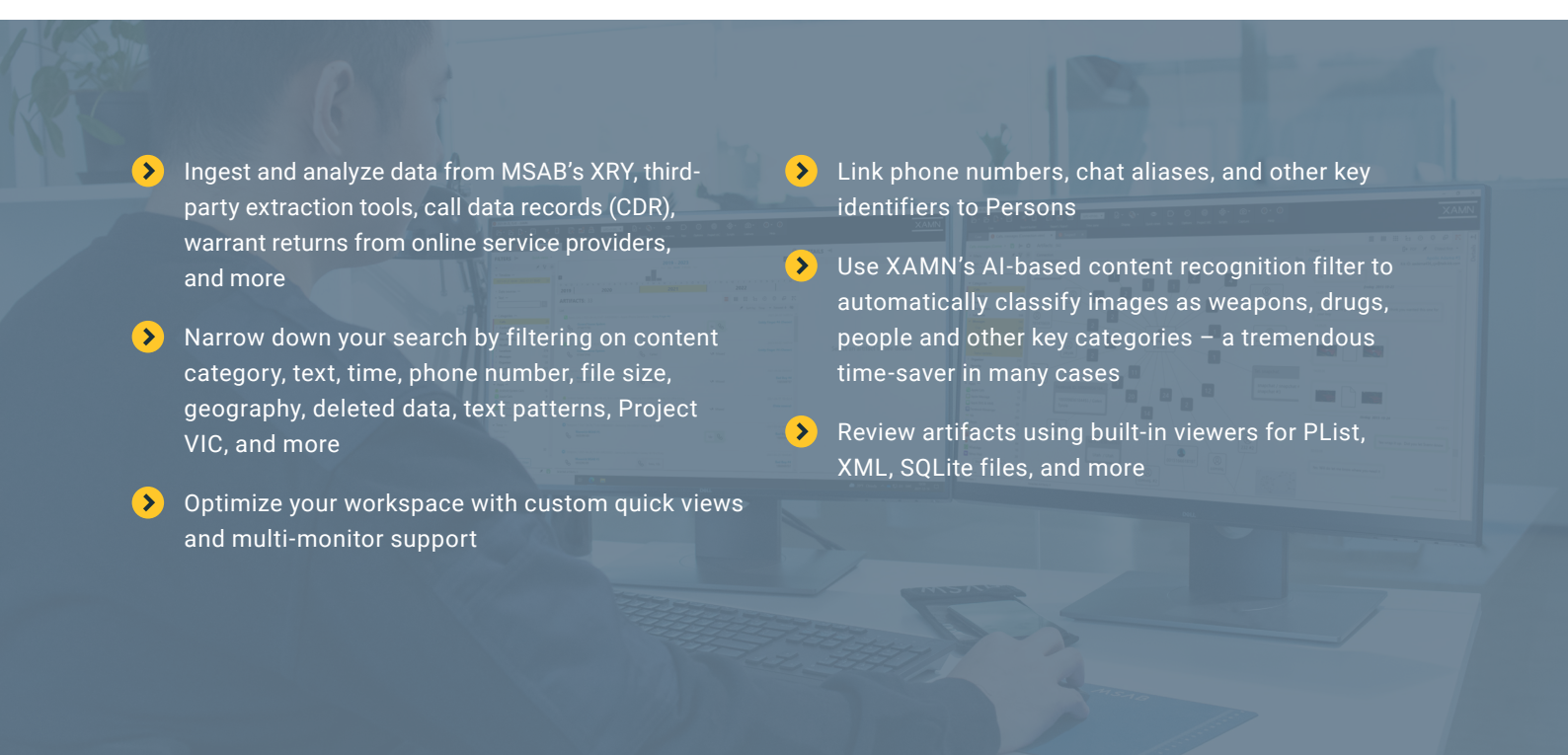
Investigators, analysts, and forensic specialists are often tasked with sifting through thousands – even hundreds of thousands – of messages and pictures as well as gigabytes of other data.

XAMN Pro is designed with one goal in mind: To increase analytical efficiency – so that you can find what you are looking for quickly and easily.

XAMN Pro is the go to tool for analysis and reporting. Bring in your mobile device extractions and tap into a rich, intuitive suite of filters, search tools, and viewing options. Quickly cut through noise and irrelevant data and pinpoint exactly what you're looking for, with speed and precision. After that, use one of many different options to visualize and report your findings.

You can load many different extractions into XAMN at the same time. This enables you to simultaneously search through and compare data from logical and physical extractions of mobile devices, memory cards, SIM Cards as well as third-party extractions and XRY Cloud files.

XAMN Pro supports analysis of extractions from mobile phones, drones, wearable tech, GPS devices, vehicle information systems, warrant returns, and more.

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- ▶ Ingest and analyze data from MSAB's XRY, third-party extraction tools, call data records (CDR), warrant returns from online service providers, and more
 - ▶ Narrow down your search by filtering on content category, text, time, phone number, file size, geography, deleted data, text patterns, Project VIC, and more
 - ▶ Optimize your workspace with custom quick views and multi-monitor support
 - ▶ Link phone numbers, chat aliases, and other key identifiers to Persons
 - ▶ Use XAMN's AI-based content recognition filter to automatically classify images as weapons, drugs, people and other key categories – a tremendous time-saver in many cases
 - ▶ Review artifacts using built-in viewers for PList, XML, SQLite files, and more

The screenshot displays the XAMN interface with several callouts highlighting key features:

- 8**: Time zone setting (UTC+01:00)
- 2**: Timeline view showing months from 2018 to 2022
- 1**: Conversations list showing messages from WhatsApp, Telegram, and KakaoTalk
- 4**: Filters pane showing categories like Calls, Contacts, Device, Files & media, Messages, Organizer, Places, and Security
- 7**: Filter categories (Calls, Contacts, Device, Files & media, Messages, Organizer, Places, Security)
- 5**: Active filters (2)
- 6**: Add filter button

1. Artifacts pane

The artifacts pane displays your filtered results and updates in real-time as you add or remove active filters.

2. Analytical views

Investigate your filtered results using analytical views optimized for different types of artifacts.

Gallery: Pictures and media file

Conversations: Chats, messages and calls

Connection: Relationships between persons

List, Column and File Tree: All types

3. Timeline & Maps

You can combine any analytical view with an intuitive timeline that shows activity based on time and a Maps view that shows artifacts having geolocation attributes.

4. Filters pane

XAMN provides a wide range of useful filters allowing you to narrow down your search based on criteria relevant to your investigation. In addition to the default filters, many more are easily accessed from the Filters menu. Artifacts are color-coded throughout XAMN, to make it easy for you to distinguish between content types such as pictures, messages and calls.

The screenshot displays the XAMN PRO software interface. At the top, a dark navigation bar contains icons for Quick views, Tags, Options, Processing, Project VIC, Scripts, Capture, Help, and the XAMN PRO logo. Below this, the main interface is divided into three sections:

- Timeline (Callout 3):** A calendar view showing months from January to August for the years 2021 and 2022. It includes an 'Add custom time' button and zoom controls.
- Message Details Pane (Callout 5):** A detailed view of a message. It shows the sender as 'Bad Boy' (Telegram ID: 1585569757) and the recipient as 'maverick' (Telegram ID: 1605396189). The message text is 'me a delivery date please!'. The time is 2021-03-27 14:43:23 (Network) [2021-03-27 13:43:23 UTC]. The direction is 'Incoming'. The related account is 'maverick' (Telegram ID: 1605396189) with index 517 and related thread ID 1585569757. There is an 'Examiner notes' field at the bottom.
- Message List (Callout 6):** A list of messages in a chat window. One message is highlighted with a green box: 'So you still want stuff???' (14:35:27). Another message is highlighted with a red box: 'OK ok working on it' (14:43:50). Other visible messages include 'man. Which bit of that last message didn't you understand? I can sell this shit all day long. I am g in cash...' and 'me a delivery date please!'.

5. Details pane

The details pane shows you detailed information about a selected artifact, like the selected message above. Depending on the type of artifact, XAMN can offer you ways to pivot your search to find related artifacts. For example, you can easily create a new filter to look for artifacts created in the same timeframe or in the same geographic area.

6. Quick views

Quick views are sets of saved filters. XAMN provides a number of useful Quick Views out-of-the box that allows you to instantly look at e.g. only calls, messages, deleted data or artifacts created in the last 30 days. Additionally, you can easily create your own custom Quick Views that can help you greatly speed up your investigations.

7. Tags

To keep your findings organized as you review data, you use Tags. Tags are bookmarks that can be applied to a single or multiple artifacts in one go. XAMN provides two default tags - Important and Unimportant. In addition, you can freely create as many custom tags as you like.

8. Reports

After completing your analysis, a common step is to create a report with your findings. XAMN allows you to create reports in two ways - with intuitive drag-and-drop using the Report Builder or using the Report/Export option.

Analyze and visualize your findings in new, powerful ways

Quickly get an understanding of your data by examining it from different perspectives.

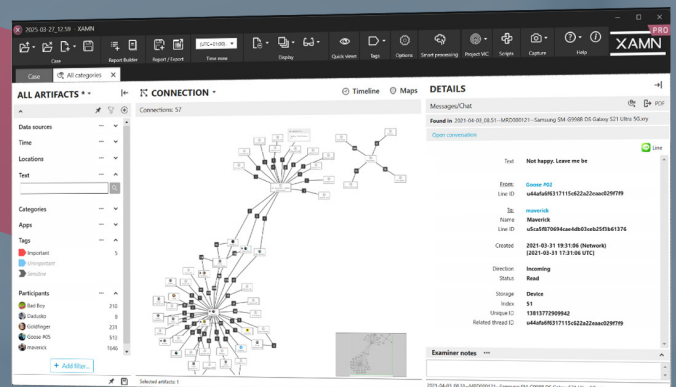
XAMN Pro provides an immediate overview of the connections between different persons of interest, and helps you discover additional individuals that may be relevant to your investigation.

XAMN Pro enables you to discover and investigate data from different perspectives:

- The Maps and Timeline views lets you navigate data by location and time to see where calls were made or received, pictures taken, and more.
- The **Conversations** view lets you track chat threads from popular chat apps.
- The incredibly powerful **Connection** view allows you to discover and investigate the interactions between different device owners and accounts.

XAMN Pro also provides a built-in advanced hex carving tool for experts, designed to help you dig deeply into undecoded or fragmented data in order to bookmark, reconstruct and validate crucial pieces of information that would otherwise be unavailable. Importantly, XAMN Pro makes it easier to defend the validity of your findings.

- ▶ See entire chat threads like they are displayed in the apps in the Conversations view
- ▶ Explore messages and other interactions between persons in the Connection view
- ▶ Review findings with geo data in the Maps view and combine it with a Timeline
- ▶ View the source details of an artifact or deep-dive in the Hex view with carving support
- ▶ Explore contents of SQLite databases and map findings to reportable artifacts



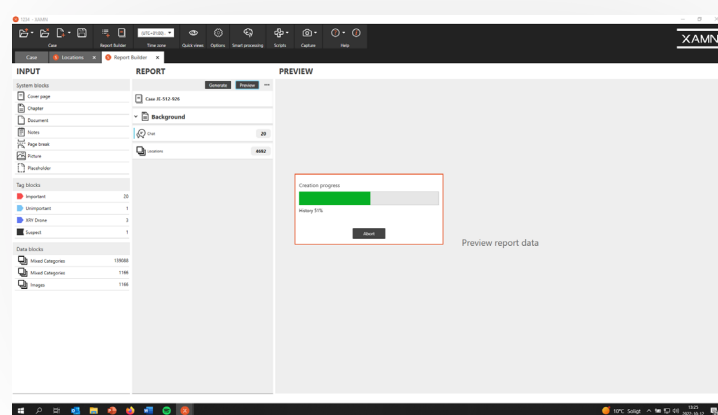
The Connection view is one of many comprehensive visualisation options that allow you to understand, organize and explore the data you're investigating.

Share your findings using customized, templated reports

Save time and share your findings with precision using XAMN Pro's Report Builder and extensive export options.

Clear and understandable reports are vital to success, and creating them is one of the most important steps of your digital investigation. XAMN's Report Builder allows you to, with simple drag-and-drop technology, quickly create reports for use in your department or for presentation in court. You can easily tailor the layout and structure to fit different stakeholders and have complete control over ordering and the layout used in different sections of the report.

In addition to Report Builder, XAMN Pro provides extensive functionality to export data in a wide range of formats, such as PDF, Word, Excel, XML, GPX, VICS, and more. You can also create a subset of an XRY file that can be shared with legal advisors and prosecutors and be interactively reviewed using XAMN Viewer.



XAMN's Report Builder lets you construct reports through an intuitive drag-and-drop interface, and save the resulting structure as a template for future use.

- Quickly include findings in your report by tagging artifacts of interest
- Easily arrange your findings using drag-and-drop
- Include external material in your report, such as SOP descriptions, photos, and protocols
- Create and make use of templates for an even more efficient process

Contact sales@msab.com to get started!

About MSAB

The Swedish company MSAB is a global leader in digital forensic technology for mobile device examination and analysis.

The flagship extraction software, XRY, has been used by authorized investigators to quickly and effectively retrieve data from mobile phones since 2003.

As an MSAB customer, you will be part of a training and support program that constantly keeps your organization updated on the latest developments in mobile forensics and MSAB solutions. MSAB also supports its customers in the development of their own mobile forensic strategies. Tailored solutions are available upon request.

Learn more about MSAB, its products, and its solutions at [MSAB.com](https://www.msab.com).

MSAB

Trusted Partner in Digital Forensics