

Oxygen Forensic Suite 2010 - What's New.

Changes in version 2.9 (28 September 2010):

- Added iPhone 4 support.
- Added support for iTunes 10.0.0.1.
- Added general support for Android OS smartphones which are not in the list of supported devices.
- Added support for HTC Legend Android OS smartphone.
- Added support for Nokia phones: Nokia C3-01, Nokia C3-01m, Nokia X2-01, Nokia X3-01 and Nokia X3-02.
- Added support for Nokia X5-01.2 Symbian OS smartphone.
- Added support for Windows Mobile devices: Sony Ericsson M1a (Aspen), Sony Ericsson M1i (Aspen) and RoverPC Evo X7.
- Added preliminary support for Symbian OS devices: Sony Ericsson Vivaz and Sony Ericsson Vivaz Pro.
- General. Added Device Definition Update (XML-files with phone parameters in Data\Features) automatic on-line check.
- General. Backup Extraction Wizard. Fixed DMG and iTunes backups support for Oxygen Forensics for iPhone license.
- Added F-Bus connection support for all supported Nokia Series 40 phones.
- Updated connection settings for Nokia Series 40 Fifth Edition Light Edition and Series 40 Sixth Edition Light Edition phones.
- Motorola RAZR v3m, Motorola KRZR k1m and Samsung SGH-Z240 phones are excluded from the list of supported devices.
- Added data extraction from protected Blackberry IPD backups with a known password. The data is displayed by phone sections: Phonebook, Calendar, Event Log, etc. Available in PRO and Analyst licenses.
- Added Blackberry IPD Viewer. Data is displayed in tables. Available in Analyst license.
- Added Nokia PM Viewer for backups made in Nokia phones. Available in Analyst license.
- Desktop. Added Device notes column to the devices list.
- Desktop. Added list of phones sorting by status and date of data extraction.
- Backup Extraction Wizard. Added possibility to restore several phones from one .ofb file.
- Apple Plist Viewer. Added HEX Viewer with its standard functionality.
- Phonebook. Added vertical scroll-bar to the Speed Dials panel.
- Phonebook. Added caller groups in the phonebook export in XLS format.
- Phonebook. Fixed support for the address book containing more than 500 contacts in Sony Ericsson phones.
- File Browser. Added 'Open with' option for opening files by third-party applications.
- Installation. Added possibility to install drivers from the Oxygen Software website at the end of the program installation. When choosing this option link to download drivers pack opens.
- Installation. Added K-Lite Codecs to the drivers pack.
- Search. Both Alias and IMEI are shown in a search result now.
- Search. Added Web Cache and Web Bookmarks to search engine.
- Phone Activity. Accelerated Geo files scanning in the section.
- Data Extraction Wizard. Fixed error which occurred after device data recovering from the .ofb file.
- Connectivity. Fixed error of the incorrect phone disconnection processing during data extraction.
- Desktop. Fixed error with unsaved changes in the list of devices if the program was closed with errors.
- Export. Fixed incorrect displaying of calendar events without a year in reports.
- Export. Fixed problem when program closed after pressing Print or Export buttons in Log section.
- Registration. Fixed dialogue text displayed while saving registration request to a file.
- Notes. Fixed problem with reading data from iPhone.
- File Browser. Fixed file deletion error after erasing the phone from the database.
- File Browser. Fixed problem of the latest status of files and folders list saving.
- File Browser. Fixed problem which occurred after the repeated opening of the section.
- File Browser. Fixed problem with the file sorting.
- File Browser. Fixed problem with non-displaying of long paths during files reading.

- File Browser, Skype. Fixed problem with Check all/Clear all button in Skype and File Browser sections.
- Extras, Wi-Fi connections. Fixed problem of Wi-Fi points reading from iPhone OS 4.0.x devices.
- Extras. Section loading speed increased under Microsoft Windows 7.
- Messages. Accelerated E-mail extraction from iPhone 3G.
- Messages. Fixed problem when Quick Search did not work while switching between folders.

Changes in version 2.8.2 (3 September 2010):

- Added support for new iTunes versions 10.0.0.56 and 10.0.0.68.
- Added new OxyAgent for Blackberry devices.
- Added support for the USB driver included into Blackberry Desktop Manager 6.x.
- Added support for new Blackberry devices: Blackberry 9100, Blackberry 9105, Blackberry 9630, Blackberry 9650, Blackberry 9700 and Blackberry 9800.
- Added support for HP iPaq Glisten.
- Added support for Samsung phones: Samsung i900 Omnia I, Samsung i910 Omnia I, Samsung i8000 Omnia II, Samsung B7300 Omnia Lite, Samsung B7610 Omnia Pro, Samsung B7320 Omnia Pro and Samsung B7330 Omnia Pro.
- Added data extraction from the Event Log section for the Blackberry Bold device.

Changes in version 2.8.1 (20 August 2010):

- Added support for iPhone OS 4.0.1 and 4.0.2.
- Fixed problem with restoring non encrypted iTunes backup made from iPhone OS 4.0.x.
- Added support for Sony Ericsson phones: Sony Ericsson C510a, Sony Ericsson C702a, Sony Ericsson C702c, Sony Ericsson J10, Sony Ericsson J10i2 Elm, Sony Ericsson J20 Hazel, Sony Ericsson F100i Jalou (BeJoo), Sony Ericsson G705u, Sony Ericsson U100i Yari, Sony Ericsson U100a Yari, Sony Ericsson W902, Sony Ericsson W995, Sony Ericsson W995a, Sony Ericsson W20 Zyló, Sony Ericsson W20i Zyló.
- Added support for Windows Mobile OS smartphones: RoverPC Evo X8 Black, RoverPC Evo X8 White, RoverPC Pro G8 White, RoverPC Pro G8 Black, RoverPC S8 Lite, RoverPC S8 Black.

Changes in version 2.8 (4 August 2010):

- Licensing. Added new Analyst license. In addition it includes SQLite Database Viewer, Plist files Viewer, Phone Activity section and global search function on several phones at the same time.
- Added SQLite Database Viewer. Support for .sqlite, .sqlitedb, .db, .db3 files opening. Deleted data blocks displaying. Available in Analyst license.
- Added Plist files Viewer for Apple devices. Available in Analyst license.
- Drivers Pack. Added stand-alone installer for a customizable cable driver's setup.
- Added support for iPhone OS version 4.0.
- Added support for iTunes 9.2.1.5 version.
- Added full support for Apple iPad device.
- Added support for Symbian smartphones: Nokia 5228, Nokia E5-00, Nokia E73 Mode, Nokia X5-00 and Nokia X5-01.
- Added support for Nokia phones: Nokia 2220 Slide, Nokia C1-01, Nokia C1-02. Nokai C3-00 and Nokia X2-00.
- Added support for Windows Mobile CDMA devices: Dopod T5399, HTC HD2 and HTC Touch CDMA.
- Added general support for Windows Mobile devices: Acer, Asus, Eten, Gigabyte, HTC, i-mate, LG, Motorola, Orange, Psion Teklogix, Samsung, Sony Ericsson, Verizon, Vodafone etc.
- Added support for Android based devices: Motorola XT 720, Samsung SHW-M100S (Galaxy A) and LG Optimus Q.
- Improved support for Android based device Samsung Galaxy i5700.
- Backup Extraction Wizard. Added possibility to restore all saved phones from one Oxygen backup file.
- General. Quick Search moved from the side panel to the toolbar. Created single search mechanism for all the sections of the program.
- General. Search. Completely improved search engine. Added Skype and LifeBlog sections.
- General. Added possibility of export and print of global search results.

- General. Added displaying of reading files error from Apple devices in Data Extraction Wizard.
- General. Accelerated data uploading from the internal program database for all sections.
- General. Improved algorithm of column order and width memorization for all the program sections.
- Desktop. Redesigned device data displaying. Added extracted data statistics for all available sections.
- Desktop. Added possibility to set the examined device own photo.
- Desktop. Added Quick Filter which allows to filter devices in the list.
- Notes. Added new type of event - Anniversary for Nokia Series 40 v6 phones.
- Notes. Increased length of note text to 256 symbols for Nokia Series 40 v6 models.
- File Browser. Added displaying of photo thumbnails from C:\Photos\Photo Database folder on a separate bookmark for iPhone.
- File Browser. Added separate tabs for SQLite database and Plists files.
- File Browser. Added support of .mov files to the video filter by default.
- File Browser. Added folder name column to search with the sorting possibility on it.
- Messages. Added extraction of deleted messages recipient's number from iPhone devices.
- Messages. Added Deleted column for messages and filter for this column.
- Messages. Export. Added information about attachments list with their size, name and Mime type.
- Event Log. Optimized filters engine in the section.
- Extras. Phone Activity. Added Skype and Wi-Fi connections data displaying in the Phone Activity section.
- Extras. Skype. Changed bookmarks order for the Skype section: calls, SMS messages, correspondence and contacts.
- Export. Accelerated data export in all the program sections.
- Connectivity. Fixed problem, which occurred while quick Connection Wizard launch just after the program opening.
- General. Fixed problem, when after pressing Reset Filters the text from Quick Search was not deleted.
- Desktop. Fixed hint text to Print and Export buttons.
- Data Search. Fixed problem, when it was always the same information for SMS messages in Object Information for Windows Mobile devices.
- Phonebook. Fixed hint text to Labels button.
- Phonebook. Deleted tag Add in Internet bookmark on the contact card.
- Tasks. Fixed problem of a task displaying which is longer than 127 symbols.
- File Browser, Geo event positioning. Fixed problem of latitude and longitude incorrect displaying on the side bar.
- Extras. Web cache analyzer. Fixed error, which occurred while entering the section.
- Messages. Fixed problem of deleted SMS messages duplication.

Changes in version 2.7 (29 April 2010):

- Extras. Added new Skype section for iPhone and Windows Mobile devices. Information about Skype accounts, chat history, calls, SMS messages and full contacts data is now extracted. Section is available in the PRO version.
- Extras. Added new Wi-Fi connections section for iPhone devices. Information about Wi-Fi hot spots connections history is now displayed. Now it is possible to obtain their geographical coordinates and maps from the Google server. Section is available in the PRO version.
- Backup Extraction Wizard. Added data extraction from DMG backup files (Apple Mac OS X Image). Functionality is available in the PRO version.
- Added support for iTunes 9.1.
- Added preliminary support for Apple iPad device.
- Added support for new Windows Mobile smartphones: Acer NeoTouch, Acer beTouch E101, Acer F900, ASUS P565, AT&T LG eXpo, AT&T HTC Pure, AT&T HTC Tilt 2, AT&T Samsung Jack, Gigabyte g-Smart MW720, Gigabyte S1200, HTC Touch Cruise2, HTC Touch Diamond P3700, HTC MAX 4G, HTC Touch Pro2, RoverPC C7, RoverPC Q7, RoverPC S8, RoverPC X7, RoverPC Evo X8, Samsung Amoled, Samsung B7300 Omnia Lite, Samsung B7620 Armani, Samsung i200, Samsung WiTu i900, Samsung Omnia II, Sprint Samsung Intrepid, T-Mobile HTC HD2 and Verizon HTC Imagio.

- Added support for BlackBerry Storm 9520 and BlackBerry Storm 9550 devices.
- Added support for Symbian OS smartphones: Nokia C5-00, Nokia 5230, Nokia 5230 Nuron and Nokia 6788i.
- Added support for Nokia Series 40 phone models: Nokia 2690, Nokia 2710 Navigation Edition and Nokia 5330 Mobile TV Edition
- Licensing. Now all the add-ons for the Extras section are available in the PRO license only.
- Licensing. License type (Standard or PRO) and its expiration date (in days) are now displayed in the program status bar.
- Licensing. Added new window with the comparison of the Standard and PRO licenses in the program status bar.
- General. Interface. Added new Service menu. Now 'Contact support', 'Visit personal customer's area', 'Enter key' and 'Check for updates' links are located here.
- General. In the Device information section added new parameters for Apple devices: Device Model, Time Zone, Serial Number, Identificator, SIM Status and Jail Break flag.
- General. Added new Reset filters button in every section of the program.
- Geo Event Positioning, Messages, Wi-Fi Connections. Now information which was not received from the phone itself is highlighted in the section grid (f.ex., Google server coordinates or substituted names).
- Connectivity. Oxygen Connection Wizard is now integrated into the Oxygen Forensic Suite 2010 program.
- Connection. Updated OxyAgent application for Blackberry devices.
- Connectivity. Added displaying of the phone connection status on the Desktop of the program and in Oxygen Connection Wizard.
- Connectivity. Now search on USB and serial cables is merged into one group "Connect via cable".
- Connectivity. Added possibility of the programmed device disconnection with the help of the relevant button on the tool bar.
- Connectivity. Terminated official support for iTunes v.8.x.x.
- Backup Extraction Wizard. Added path storing of the previously opened backup file.
- Backup Extraction Wizard. Added path displaying for the folder with backup files.
- Backup Extraction Wizard. Improved Unicode support in iTunes backup files restoring.
- Connectivity. Improved connection process of the Android OS devices.
- Connectivity. Improved Oxygen Connection Wizard interface.
- Connectivity. Improved support for BlackBerry CDMA devices.
- Connectivity. Fixed error which occurred while connecting iPhone devices.
- File Browser. Reading of the files system for Phone/iPod Touch devices has been speeded up many times.
- File Browser. Fixed files reading with the size more than 500 Mb from Apple devices.
- File Browser. Fixed problem with Apple devices disconnection while reading system files with the protected access.
- Messages. Fixed reading problem of the great number of SMS messages from Nokia Series 60 smartphones.
- Export. Data export has been speeded up. Fixed minor errors with its formatting.
- Export. Fixed error with the export of the Apple devices data.

Changes in version 2.6.5 (5 February 2010):

- Added support for iTunes 9.0.3 new version.
- Added support for iPhone OS 3.1.3 devices.
- Added support for Google Nexus One.
- Added support for BlackBerry Curve 8500, BlackBerry Curve 8520 and BlackBerry Curve 8530 devices.
- Added support for Nokia Series 40 devices: Nokia 6216 Classic and Nokia 6303 Classic.
- Improved support for Sony Ericsson C905c and Sony Ericsson C902c phone models.
- Added Elcomsoft iPhone Password Breaker 1.0 Beta 1 external utility for an automatic password matching. This utility helps to obtain iPhone backup code if the backup was previously locked by the device user. Available in Oxygen Forensics for iPhone and Oxygen Forensic Suite 2010 PRO licenses.

- General. Added version number checking: it is not allowed to restore backup files made by previous versions of Oxygen Forensic Suite 2010 into the latest ones.
- General. Renewed drivers for Motorola devices. Including Motorola Heron, Cliq and Milestone.
- General. Significantly improved support for Motorola smartphones based on Android OS: Motorola Heron, Motorola Cliq and Motorola Milestone.
- General. Renewed drivers for Sony Ericsson smartphones.
- General. Added drivers on Prolific PL-2303 chipset for Windows 7 OS and updated drivers for Windows Vista OS.
- General. Search. Added data search in one selected phone.
- General. Search. Optimized data search algorithm.
- General. Registration. Improved Internet license registration process.
- Interface. Information about the program version is now displayed in the status line of every section.
- Export. Improved formatting for the PDF and RTF reports in the Geo event positioning section.
- Export. Data is exported according to the selected filter settings: only filtered data is exported, each folder files are sorted according to the selected column.
- Export. Minor interface improvements in CSV and TSV export formats: changed several columns titles, fixed formatting and local date formats.
- Export. Information about MAC address, Bluetooth address and device name in iTunes (if exists) is exported for iPhone and iPod devices.
- Calendar. Improved support for calendar events for BlackBerry and Apple devices.
- File Browser. Several changes implemented: added filters cleanup, display of the selected items number and Vista style navigation.
- File Browser. Files reading is speeded up. Data without useful information is not extracted with Data Extraction Wizard but can be read in the section afterwards.
- Messages. Significantly improved support for SMS messages in Nokia Series 40 3rd Edition, 5th Edition and 6th Edition phone models.
- General. False responses are excluded in several antivirus products (AVG, Frisk, Sophos).
- General. Fixed error which occurred while switching to Desktop from Geo event positioning and Web browsers cache analyzer sections.
- General. Fixed problem when it was impossible to cancel searching process in the phones.
- Connection. Fixed problem with Nokia Series 40 phone models subseries Fold, Classic and Slide connection via Bluetooth.
- Connection. Fixed problem with several Nokia Series 40 v.1 and v. 2 phone models connection on CA-42 cable.
- File Browser. Fixed problem with reading of the great number of files from one folder.
- File Browser. Fixed problem which occurred while exiting the program if there was an external window for images viewing opened.
- Phone Activity. Fixed problem which interfered with regular program shutdown.
- Phone Activity, Event Log, Export. Fixed problem when changes of the time and date system delimiters of were not displayed in the program.
- Phone Activity. Fixed problem when the phone was deleted after exiting Phone Activity section.
- Phone Activity, Tasks. Fixed Report settings.
- Messages. Fixed problem with multipart Unicode messages reading for Series 40 phone models.
- Messages. Fixed errors of the messages data duplication from Event Log and Messages sections.

Changes in version 2.6 (25 December 2009):

- Added new iPhone password-protected backup reader add-on. Supported data extraction from iTunes backups protected by known password for iPhone and iPod devices.
- Licensing. User registration system is removed. Added two new licensing systems of the program – an Internet license with hardware binding and a license with USB dongle.
- Connection. Renewed devices search algorithm in Oxygen Connection Wizard. Now in the most cases to connect a device it is enough just to choose its connection type.
- Export. Added export to CSV (comma-separated text) and TSV (tab-separated text) formats.
- Added filter for text documents reading in Data Extraction Wizard. It is possible to extract files with .txt, .doc, .docx, .rtf, .pdf, .djvu, .xls, .xlsx, .csv, .ppt, .xps etc extensions.
- Added new ways to contact Oxygen Software support and developers teams - site online consultation

and twitter channel.

- Added support for new devices based on Android OS: Android: Motorola Droid (Milestone), Archos Internet Tablet, Camangi WebStation, LG GW620 Eve, Samsung Galaxy, Samsung I5700, Samsung Moment, Samsung Spica, SciPhone N19, SciPhone N21 and Tiger G3.
- Added support for new Nokia Series 60 smartphones: Nokia 6700 Slide, Nokia 6788 and X6.
- Added support for new Nokia Series 40 phones: Nokia 6750 Mural, Nokia 7230 and Nokia X3.
- File Browser. Added possibility to read current directory with all sub- directories.
- Phone Activity. Added Notes support for iPhone, iPod and Nokia Series 40 devices.
- Connection. Added new version of the OxyAgent application for BlackBerry OS smartphones. Connection stability is significantly improved.
- Messages. Export. Messages export to XML format is significantly improved and detailed.
- General. Fixed data export errors for Android OS devices.
- File Browser. Fixed reading error of the nonstandard size .gif files.
- File Browser. Fixed problem which occurred during saving of the file structure.
- Messages, Event Log. Fixed errors in the auto search of the phonebook names which correspond to the message number of log entry.
- Messages. Deleted service center time duplication in export files.
- General. Language interface of the program is corrected and improved. Slight improvements in the Unicode compatibility.

Changes in version 2.5 (05 November 2009):

- Added preliminary support for **Android OS** devices. Data extraction from phonebook, calendar, messages and event log is supported.
- General. Added support for iTunes v 9 for Apple devices.
- General. OxyAgent application is certified for all Nokia Series 60 3rd and 5th Edition smartphones and UIQ3 devices.
- Messages. Added support for multi-level folders structure for messages in Windows Mobile OS devices.
- Messages. Added support for E-Mail messages in Windows Mobile OS devices.
- Messages. Added service headers displaying and export for E-mail messages in Apple and Windows Mobile OS devices.
- Extras. Phone Activity. Added support for tasks and files with geographical coordinates.
- File Browser. Added button Check all/Clear all to select all files and clear selection in the folders tree.
- General. Improved compatibility with antivirus programs.
- General. Improved manual search for mobile devices in Oxygen Connection Wizard.
- General. Added support for Sony Ericsson Satio.
- Event Log. Significantly improved search for contacts that correspond to the events in Event Log.
- Extras. Phone Activity. Interface improvements: added alphabetical order for groups in Remote Party Filter, fixed problem with groups collapsing, Assorted group was moved to the end of the list.
- General. Fixed problem with saving a case number and inspector name in .ofb file.
- Data export. Fixed interface problems with a free space check of the disk.
- File Browser. Fixed problem with check-box saving in the folders tree after closing the section.
- File Browser. Fixed problem with incorrect files classification with .MP4 extension.
- File Browser. Fixed several problems with thumbnails preview.
- File Browser. Fixed problem which occurred when all the filters were simultaneously chosen but no relevant bookmarks appeared.
- File Browser. Improved work with filters
- Messages. Event Log. Fixed problem which occurred when after Event log reading all messages appeared in Messages section and were shown as deleted.
- Messages. Event Log. Fixed problem with deleted messages search in standard message folders.
- Messages. Fixed problem with displaying the folders tree after it was moved and the program was restarted.

Changes in version 2.4.1 (1 October 2009):

- General. Added support for Nokia 3710 Fold, 3720 Classic, Nokia 5230, Nokia E63-5, Nokia E72-5 and Nokia N97 mini.

- General. Export. Added data export into XML format.
- File Browser. Added possibility to open file in an external window by double clicking on it.
- File Browser. Fixed problem with updating of the geographical coordinates information on the Geo positioning panel.
- File Browser. Fixed problem with Unicode folders and files export.
- General. Export. Fixed problem with large reports export to removable or network storages.
- Extras. Phone Activity. Fixed problem with the highlight of the events dates in Date Filter.
- Extras. Phone Activity. Deleted intermediate items highlight of the recurring events in Date Filter.
- Extras. Phone Activity. Fixed problem with updating of the MMS messages information.
- Extras. Phone Activity. Fixed problem with MMS attachments displaying in Viewer.
- Extras. Geo event positioning. Interface improvements. Fixed problem when it was impossible to replace previous coordinates with new ones.
- Various internal changes and improvements.

Changes in version 2.4 (18 September 2009):

- General. Added possibility to change database storage place. Now you can choose an appropriate database storage place according to your own discretion.
- General. Added free disk space check on your PC before data extraction from the mobile device.
- File Browser. Significantly re-designed interface. Added flat files lists based on filters (Structure, Images, Melodies, Video, Documents, Applications, Other files, Geo files, Search).
- Messages. Added support for email messages reading from standard application for Nokia Series 40 3rd Edition mobile phones.
- General. Added official support for Windows 7 OS (32 bit).
- General. Added information about Oxygen Forensic Suite 2 version number which was used for data extraction from the mobile device. It is displayed in Desktop section and included into the information export.
- General. New field Owner number is added into Data Extraction Wizard. It is possible to set up to 4 phone numbers with different labels (mobile, home etc).
- General. Now hash first line is highlighted in every program section if the data stored in the device was falsified.
- Licensing. Introduced new trial version limitations: not more than 30 program launches are allowed, not more than 10 items of each section are exported and Trial version title appears while printing. Removed limitations by work time and data quantity read from the device. Now experts can evaluate full functionality of the software during the trial period.
- Added support for Windows Mobile smartphone: Acer DX650.
- Export. Added export of the messages attachments list into XLS reports.
- File Browser. Added whole file system export of the current section into the export file subdirectory.
- File Browser. Panel with a folders tree is now moved to the right section part. Added files filtering in folders.
- File Browser. Improved files sorting by groups and inside groups.
- File Browser. Removed side bar "Go to".
- Extras. Phone Activity. Now history of visited internet sites and web cache pages is added into phone activity list.
- Extras. Phone Activity. Now it is possible to view MMS messages attachments.
- Extras. Phone Activity. Added possibility to show/hide repeated events of the Organizer section.
- Extras. Event Geo positioning. Google Maps snapshot is now added to report.
- Extras. File Browser. Fixed problem with geographical coordinates extraction and their display on the map.
- Connection. Fixed problem with iPhone 3GS (OS 3.0) connection.
- Phonebook. Fixed problem with leading zeros loss while exporting phone numbers into XLS reports.
- Extras. Phone Activity. Fixed problem with an incorrect displaying of the events time. Now it is displayed according to GMT.
- Extras. Phone Activity. Fixed problem with displaying of the highlighted groups titles.

Changes in version 2.3 (19 August 2009):

- Extras. Added new section - **Phone Activity**. New add-on allows to view all calls, messages,

calendar data and other activities in a single list of events. It can be sorted, filtered and grouped by dates, people or phone numbers. All events are shown in a chronological order, so forensic examiners can easily follow the conversation history without switching between sections.

- Extras. Significant functionality enhancement of the "**Geo event positioning**" section. Added extraction of an approximate geographical positioning of the place where the photo was made. Mini Google Maps are generated and shown according to these coordinates right in the program. Feature is available for Apple iPhone, iPod Touch, Symbian Series 60, Windows Mobile and Sony Ericsson mobile devices.
- Added support for **Series 60** smartphones: Nokia 5530 XpressMusic, Nokia 6730 Classic, Nokia 6760 Slide, Nokia 6790 Slide, Nokia 6790 Surge, Nokia E52-2, Nokia E72-1, Nokia E72-2, Nokia E75-1, Nokia N97-4, Samsung SGH-i8910 OMNIA HD, Samsung GT-i8510 (INNOV8), LG KT-615.
- Added support for **Nokia Series 40** phones: Nokia 2720 fold, Nokia 2730 classic, Nokia 3720 Classic, Nokia 5330 XpressMusic, Nokia 6208 Classic, Nokia 6260 slide, Nokia 6303 Classic, Nokia 6600i Slide, Nokia 7020, Nokia 7510 Supernova and Vertu Signature 2008.
- Added support for new **Windows Mobile** devices: LG Incite, Samsung Omnia, Samsung Saga, Samsung Epix.
- Added support for new **BlackBerry** devices: BlackBerry Bold, BlackBerry Storm and BlackBerry Curve 8900 series.
- Added support for **iPhone 3GS** and iPhone OS version 3.0.
- Added support for **Samsung** SGH-E736, Samsung SGH-T709, SGH-P906 phones and DragonFly platform.
- Added support for **Sony Ericsson** C901, Sony Ericsson C901a, Sony Ericsson C903, Sony Ericsson C903a, Sony Ericsson G502c, Sony Ericsson W715 and Sony Ericsson W350a phone models.
- Improved support for iPod Touch.
- Improved compatibility with Apple iTunes version 8.2.x.
- Connection. Added support for cable connection for Windows Mobile devices.
- Connection. A new version of OxyAgent for BlackBerry devices will be used.
- General. Serial number is now shown for Apple iPod Touch instead of its IMEI.
- Notes. Notes section is now supported for Nokia Series 40 phone models.
- Notes. Export of the notes data is available for Nokia Series 40, Apple iPhone and iPod Touch mobile devices.
- Messages. Added support for MMS messages reading and export from iPhone OS 3.0.
- Messages. Added support for email messages export from iPhone OS 3.0 and iPod Touch.
- File Browser. Added support for file reading and selective file reading for BlackBerry smartphones.
- File Browser. Added support for the selective voice records and video clips reading from Apple iPhone OS 3.0.
- Extras. Added possibility to read Safari browser bookmarks from Apple iPhone and Apple iPod Touch.
- Extras. Added possibility to read cookies and to display a screenshot of the last visited web page from Safari browser in Apple iPhone and iPod Touch.
- Extras. Added possibility to read a list of the last visited web pages from Safari browser in Apple iPhone and iPod Touch.
- Export. Read/unread messages status added to reports and export files.
- Export. Improved export of to-do list from all mobile devices.
- General. Improved connection errors handling in Oxygen Connection Wizard.
- Phonebook. Fixed problems with displaying line feed symbols for Series 60 models.
- Phonebook. Messages. Fixed AV bug which occurred while switching between Phonebook and Messages sections.
- Messages. Significantly improved interface for Messages section.
- Calendar. Fixed signal and time displaying for Motorola phone models.
- Calendar. Fixed AV bug which occurred after exiting the program from this very section.
- Extras. Fixed side bar refreshment while switching between Web bookmarks and Web Cache data.
- Extras. Web Cache. Fixed problems with reading web cache data from Series 40 Fifth Edition Feature Pack 1 phone models.

Changes in version 2.2 (22 May 2009):

- General. Added support for Apple devices via USB cable: iPhone, iPhone 3G and iPod Touch.

- General. Added support for Symbian OS Series 60 smartphones: Nokia N97, Nokia E52, Nokia 5730 XpressMusic, Nokia N86, Nokia 6710 Navigator, Nokia 6720 Classic, Nokia 5630 XpressMusic and Nokia E75.
- General. Added support for classic Nokia phones: Nokia 2320 Classic, Nokia 2323 Classic, Nokia 2330 Classic, Nokia 2700 Classic, Nokia 5130 XpressMusic and Nokia 6700 Classic.
- General. Added support for Windows Mobile smartphones: Pantech Matrix Pro, Samsung Propel Pro.
- General. Added device information panel to the Desktop side-bar.
- General. Full support for Motorola devices based on P2K and A6 platforms.
- General. Contact activities are included in search results by default.
- General. Progress bars are added: on restoring and saving phones, on reading and saving file structure, on phonebook initialization and saving messages structure.
- Calendar. Completely re-designed interface: 'Start', 'Finish' and 'Alarm' columns, 'Type' and 'Location' filters are added.
- Calendar. Improved support for Sony Ericsson phones: recurrence, end date and alarms support are added.
- Tasks. Completely re-designed interface: 'Completed' and 'Due date' columns, 'Start date' and 'Due date' filters are added.
- Tasks. Added Export functionality.
- Messages. Added support for MMS messages reading from Nokia Series 40 1st Edition and 2nd Edition devices.
- Messages. Re-designed interface: 'Has downloaded attachments' and 'Has partially downloaded attachments' properties are added.
- Messages. All message attachments can be downloaded at once by clicking 'Download' button.
- Messages. Now files extensions are automatically added while saving vCard and vCalendar attachments on a hard drive.
- Messages. Added new Content-Type/MIME-Type column in the list of message attachments.
- File Browser. Interactive filter for forensically important information is added in Data Extraction Wizard.
- File Browser. Read unread files and folders option in 'Save file' form is turned on by default.
- File Browser. Added possibility to switch between Single and Twin view modes in the View Panel.
- General. Fixed error with accidental loss of the devices database while restoring information from archives.
- General. Fixed Oxygen Connection Wizard Access Violation error which occurred during Bluetooth devices search for transceivers based on BlueSoleil v. 1.4.xx Bluetooth stack.
- General. Fixed wait-forms translation in Data Extraction Wizard.
- Phonebook. Fixed problem with Unicode contacts processing. Now Unicode contacts are fully read from the devices.
- Messages. Fixed problem with deleted messages duplication if the section of the very phone is empty.
- Messages. Fixed reading, displaying and export of the MMS messages attachments for Nokia Series 40 3rd Edition and 5th Edition devices.
- Messages. Fixed displaying of the Remote party for MMS messages stored in Symbian OS smartphones.
- File browser, Web Cache. Fixed error of the simultaneous reading of File Browser and Web Cache sections Symbian OS smartphones if several web browsers were installed and used simultaneously.
- Extras, Web Cache. Fixed Access Violation error which occurred while switching from Web Cache section of one phone to Web Cache section of the other one.
- Extras, Web Cache, Web bookmarks. Fixed errors which occurred while exporting Web Cache and Web bookmarks data.
- Event Log. Fixed displaying of the non-Latin names for Motorola devices.

Changes in version 2.1 (20 March 2009):

- General. Added support for more than 70 Motorola phones via cable. The total amount of phone models supported by Oxygen Forensic Suite 2 overcomes 1350 barrier.
- General. Added support for Symbian OS Series 60 smartphones (Samsung SGH-i8910 OMNIA HD, Nokia E75-1, Nokia 5630 XpressMusic), Nokia Series 40 phones (Nokia 6208 Classic, Nokia 6260 Slide, Nokia 6303 Classic, Nokia 7510 Supernova) and Sony Ericsson phones (Sony Ericsson C510, Sony Ericsson C905a, Sony Ericsson C905c, Sony Ericsson J132, Sony Ericsson J132a, Sony Ericsson K330, Sony Ericsson K330a).

- General. Added support for Samsung and Sony Ericsson phones via Bluetooth.
- General. Added saving devices' database to archive that can be loaded back into the program on the same or another PC.
- General. Preliminary support for Toshiba Bluetooth.
- General. Oxygen Connection Wizard, OxyAgent upload can be skipped now.
- General. Samsung and Motorola phones images are updated.
- Phonebook. Added support for last names in Sony Ericsson phones.
- Tasks. Added To-Do list/Tasks extraction from Nokia Series 40, Nokia Series 60 and UIQ phones.
- Messages. Added extraction of E-mail and MMS messages attachments from Nokia Series 60 and UIQ Symbian smartphones (all Editions).
- Messages. Added support of HTML E-Mail messages for Symbian 9 phones.
- Messages. Added GMT and Time Zone shifting for modern Nokia Series 40 phones and smartphones.
- Messages. Added Quick Filtering by messages' type.
- Extras. Added extraction of Web browser bookmarks from Nokia Series 40 phones and Series 60 phones (Third Edition Initial Release without Feature Packs and older Editions).
- Extras. Added Export functionality for Web Browsers Cache Analyzer.
- Extras. Extras section is now excluded from all the phones which do not support this functionality.
- Extras. Unregistered add-ons are not read from the phone now.
- Extras. Extras section is redesigned in a Vista-like style.
- Extras. Web Cache. Added Unicode support for search in Hex Viewer.
- File Browser, Extras. Added auto-resize for enormous images.
- File Browser. Sorting mode is displayed now.
- General. Fixed BlueSoleil Bluetooth stack connection problem with Symbian OS smartphones.
- General. Fixed tabs switching error.
- General. Fixed German and Russian translations.
- General. Fixed error while switching between desktop and phones' bars.
- General. Fixed navigation bar actions error.
- Organizer. Fixed AV bug while clicking on a Calendar section right after reading all phone's data.
- Messages. Fixed error with SMS data reading from common Sony Ericsson phones.
- Extras. Web Cache. Fixed minor navigation problems in Hex Viewer.
- Extras. Web Cache. Fixed error while pasting data to the clipboard in Hex Viewer.
- Extras. Geo event positioning. Fixed interface bug with displaying the columns right to the 'Hash' column.
- Extras. Fixed various Extras Export issues.
- File Browser, Extras. Fixed bug with non-web elements processing in a web view.
- File Browser: Fixed AV bug on viewing large MP3 file properties.
- File Browser. Fixed flash-card detection problem in Windows Mobile devices.
- File Browser. Fixed problem with saving of filters settings.
- File Browser. Fixed AV bug while working with filters.

Changes in version 1.6 (11 February 2009):

- Oxygen Connection Wizard. OxyAgent automatic upload support for HTC Touch series.
- Oxygen Connection Wizard. Redundant temporary folders creation deprecated.
- General. Added Extras section. Lifeblog section is here now.
- General. Over 200 Samsung Swift and Sysol phones support added.
- General. Added support for Windows Mobile-based LG Incite, Samsung Omnia, Samsung Saga and Samsung Epix phones.
- General. Added support for Sony Ericsson 905, Sony Ericsson W760i, Sony Ericsson G502.
- General. Added support for LG KT-615 Symbian phone.
- General. Added support for Vertu Signature 2008 phone.
- General. Added support for new RIM BlackBerry Bold, BlackBerry Storm and BlackBerry Curve 8900 series.
- General. Hash algorithm is now specified on the program's desktop.
- General, Toolbar. 'Help' button error fixed.
- General, Interface. Hash column resize by double clicking added.

- General. Windows Mobile model names are now displayed correctly.
- General, Drive Y. Support for Nokia N81 phone added.
- General, Interface. Minor bugs in 'Proceed to' options fixed.
- Connection. Added support for BlueSoleil version 1*,2*,3*.
- Desktop, Interface. Fixed minor translation errors.
- Desktop, disk C. Information is now displayed correctly for Series 40 Fifth Edition phones.
- Phonebook. Minor fixes for UIQ ver 2.0 platform.
- Phonebook. Fixed contact photos error.
- Phonebook. Contacts sorting improved.
- Phonebook. Fixed occasional contact dupes after reading contacts. Calendar: 'Silent' signal type is now supported.
- Calendar. Windows Mobile. Fixed recurring events reading with frequencies larger than 1 time period (i.e., 'repeat in two days', 'repeat in three months' etc.).
- Calendar. Calendar support for plain non-smartphone Sony Ericsson phones added.
- File Browser. Fixed AV bug after using File Browser section.
- File Browser. Switching between File Browser and other section is now faster.
- File Browser. Fixed 'Can't open location' bug while switching between the folders.
- File Browser. 'Favorite Places' form is banned for any modifications.
- File Browser. Icon in 'Tasks for files and folders' section changed.
- File Browser. Fixed AV bug while working with three files simultaneously.
- File Browser. Fixed large flash-cards detection.
- File Browser, Interface. Sidebar hints fixed.
- File Browser: Fixed file reading problem for Series 40 Fifth Edition Feature Pack 1 phones and later.
- File Browser: Windows Mobile. Progress bar for data reading process fixed.
- Messages. Deleted SMS messages are now highlighted.
- Messages. Fixed GMT calculation error for Series 60 Third Edition phones.
- Messages. Added direction and recipient's name in simple format export files.
- Messages. Invalid pointer operation bug fixed while reading the messages.

Changes in version 1.5.1 (01 December 2008):

- Lifeblog. Added possibility to display video for items in the list.
- Connection. Added warning about incorrect IR connection for Series 40 2nd Edition phones.
- Data export. Fixed problem with data export with photos into .xls files.
- Gallery. Fixed problem with switching between standard folders on the corresponding panel.

Changes in version 1.5 (26 November 2008):

- Total amount of phone models supported by Oxygen Forensic Suite 2 overcomes 1050 barrier.
- Added support for new Windows Mobile smartphones Asus P552w, Psion Teklogix Ikon, Socket Mobile SoMo 650 DX, Paragon Wireless Hipi-2300, Palm Treo Pro, Hewlett-Packard iPaq 111 Classic, iPaq 211 Enterprise, HTC Tytn-II, HTC Touch Dual, HTC Touch Cruise, HTC P3300, HTC P3400, HTC P3470, HTC Advantage X7500, Advantage X7501, Advantage X7510, E-Ten Glofish X610, Glofish X900 and Samsung SGH-i900.
- Added support for common Samsung phones based on Swift and Sysol platforms.
- Added support for Nokia Series 40 5th Edition phones: Nokia 2680 Slide, Nokia 6600 Slide, Nokia 6212.
- Added support for Nokia E63 phone.
- General. Added support of HASH functionality for data reading from the phone. Algorithms supported by Oxygen Forensic Suite 2: MD5, SHA-1, SHA-2, CRC, HAVAL, GOST 34.11-94.
- General. Added ability to customize a header in the Device Data Report.
- Phonebook. Added support of phonebook photos for BlackBerry phones.
- Phonebook. Improved support for Unicode and non-ANSI coding.
- Calendar. Added support of Organizer section for Windows Mobile smartphones and communicators.
- Calendar. Added reading of the events with the recurrence frequency more than one unit ("every 3rd day", "every 5th week" etc.) from Windows Mobile devices.
- File Browser. Added file system (internal memory and flash card) reading feature for Windows Mobile smartphones and communicators.

- File Browser. Added progress bar displaying while reading data from Sony Ericsson phones.
- File Browser. Improved design for "Object information" window.
- Messages. Messages support for Windows Mobile smartphones and communicators added.
- Phonebook. Fixed problem with SIM-card contacts extraction for Nokia phones (except smartphones).
- File Browser. Fixed problem with files reading from Windows Mobile devices.
- File Browser. Fixed problem with files reading via Microsoft Bluetooth.
- Messages. Fixed problem with reading messages from Sony Ericsson mobile phones.
- Lifeblog. 'Home' and 'End' buttons navigation fixed.
- Connection. Vertu phones connection problem fixed.
- General. Fixed problem with autosizing columns in all the sections.
- Various internal improvements.

Changes in version 1.4 (07 November 2008):

- Total amount of phone models supported by Oxygen Forensic Suite 2 overcomes 1000 barrier.
- Added support for Nokia Symbian smartphones: Nokia E66-5, Nokia E71-5, 5320 XpressMusic, N79-3, 6650 smartphone.
- Added support for Samsung Symbian smartphones: Samsung GT-i8510 (also known as INNOV8), GT-7110, GT-I8150 (preliminary).
- Lifeblog. Added feature to show geographical event position on map (using Google Maps).
- Lifeblog. Mobile Network Code (MNC) and Mobile Country Code (MCC) columns added.
- Lifeblog. Location Area Code (LAC) and Cell ID fields reading improved.
- Lifeblog. Image preview feature added.
- Lifeblog. Sidebar thumbnails for the phonebook photos added.
- Lifeblog. Now photos are downloaded automatically when extracting phone information.
- Lifeblog. Messages' direction ('incoming' or 'outgoing' parameter added).
- Phonebook. Phonebook photos added to reports and export files.
- File Browser: Pictures added to reports and export files.
- General. Standby warning for Windows Mobile devices added.
- General. MCC and MNC lists updated.
- File Browser. RAM-disk is now hidden for SE non-smartphone devices.
- Messages. Fixed SMS reading from Series 40 Fifth Edition Feature Pack 1 phones (Nokia 5000, Nokia 2680 Slide, Nokia 6500 Classic, Nokia 6500 Slide etc.).
- Calendar. Fixed problem with filtering events after exiting the section.
- File Browser. Fixed problem that could reveal on application close if "File properties" or "Files List" panels were visible in image viewer.
- Error fixed. fixed Access Violation error on program exit, while loading a phonebook.
- Error fixed. fixed Access Violation error when using File Browser.

Changes in version 1.3 (12 September 2008):

- Contacts. SIM-card contacts extraction available for Nokia phones (except smartphones) now.
- File browser. Implemented file view in Hex, Text, Unicode, UTF-8 including ability to set more than 50 character sets. Searching through the file and positioning on a certain position is available as well. Special Media and Web modes are designed to view media content.
- Licensing. New "Educational" license type introduced. "Educational" license permits organisation of training sessions on Oxygen Forensic Suite 2.
- General. Added ability to start application in debug mode. Log files, created during session will be automatically attached to the error report. You can also send them manually once the application is closed. Application runs in debug mode when "-log" (without quotes) command line parameter is used. Debug log files names are: oxy3log.dat and IntfDebug.txt.
- Connectivity. Fixed problem when Bluetooth connection was not available for certain Nokia Series 40 models.
- Device list. Fixed problem with incorrect device actions availability after deleting a device from the list.
- Phonebook. Fixed problem that could reveal on application close if Speed Dials or Birthdays Center panels were visible.
- Phonebook. Fixed problem that could appear while selecting different devices with the same section opened.

- Calendar. Fixed incorrect displaying of line feed characters.
- File Browser. Fixed problem of incorrect file attribute displaying for Nokia Series 40 models.
- Various internal improvements.

Changes in version 1.2 (29 July 2008):

- Added support for Nokia Series 40 V5 Feature Pack 1 phones. Total amount of supported devices now achieves **880** models!
- Improved support for CDMA **BlackBerry** devices.
- Created **users management centre**. With its help you can create, modify, delete and register system users. More detailed information on users management centre is available in a Help file.
- Licensing. **System of the product registration** is activated. All the license owners will receive updated key codes for the new version installation. For users registration please go to users management centre.
- Connection. Added possibility to choose between cable types if the device supports more than one in Oxygen Connection Wizard.
- General. Switching between sections is now available in the left corner of the program window. Panel is designed in the Microsoft Outlook style and can be customized, collapsed or expanded.
- Contacts. Added extraction and displaying of the **last modification date of the contact**. Functionality is available for Symbian OS smartphones.
- Contacts. Field labels are turned off in Microsoft Excel format report for more convenient information perception. To turn on field labels please refer to "Tweaking" section in the Help file.
- Event Log. Added displaying of phone call duration for Nokia Series 40 V3 and Nokia Series 40 V5 devices.
- Calendar. Added extraction and displaying of the **last modification date of the event**. Functionality is available for Symbian 9 OS smartphones.
- Messages. Added extraction and displaying of the **message Service Center Time Stamp**. Functionality is available for Symbian OS smartphones.
- Nokia Life Blog. Added filtration engine of the section contents.
- Others. Added possibility to open the product presentation showing its basic features and functions. Option is available on the toolbar.
- Others. Fixed problem with the OxyAgent repeated launch for Windows Mobile devices.
- Various internal improvements.

Changes in version 1.1 (29 May 2008):

- Added support for **BlackBerry** devices: **BlackBerry Curve**, **BlackBerry Pearl** and **BlackBerry 8800** series are ready for data extraction now.
- Fixed problem with Sony Ericsson cell phones connection with Oxygen Connection Wizard.
- Minor internal and interface improvements.

Oxygen Forensic Suite 2:

- Goes beyond standard logical forensic analysis and uses advanced proprietary communication protocol allowing to extract much more information than other logical forensic tools.
- Supports **Nokia** cell phones as well as smartphones.
- Supports **Sony Ericsson** cell phones as well as smartphones.
- Supports **Symbian OS** smartphones by **Motorola**, **Samsung**, **Siemens**, **Vodafone**, **BenQ** and other manufacturers.
- Supports smartphones, communicators, PDAs and other devices based on **Windows Mobile 5/6 (without using ActiveSync!)**.
- Supports cable, Bluetooth and InfraRed connection.
- Extracts contacts list, caller groups, speed dials and custom field labels.
- Extracts SMS messages from standard and **custom** folders.
- Extracts calendar events.
- Extracts file system from phone memory as well as from flash card.
- Extracts events log: incoming/outgoing/missing calls, sent and received messages, GPRS and WiFi sessions.
- Reads **deleted messages** from Symbian OS smartphones.
- Extracts **Nokia Life Blog** data - all main phone events (camera snapshots, videos, sent and received

messages, calendar events etc) with their **geographical coordinates** (LAC and Cell ID).

- Contains powerful **built-in search engine** that helps to find the specified data in all or selected phones.
- Contains unique **contact activity smart search** feature. By entering e.g. part of contact name or phone number you can quickly find all the activity relating to this contact - phonebook entries, calls, messages, e-mails, meetings and so on.
- Contains easy and fast data filtering engine.
- Generates and prints **reports in PDF, RTF and XLS** formats.
- Completely redesigned interface and enhanced usability.