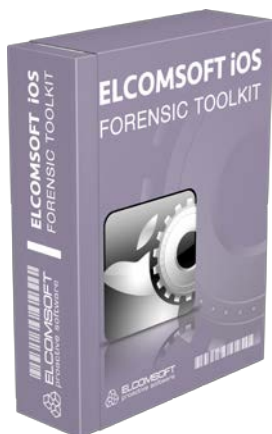# ElcomSoft breaks into legacy iPhones running iOS up to 9.3.4

Moscow, Russia – July 13, 2017 - ElcomSoft Co. Ltd. updates iOS Forensic Toolkit, the company's mobile forensic tool for extracting data from iPhones, iPads and iPod Touch devices. Version 2.30 adds physical acquisition support for jailbroken iPhone 4s, 5, 5C and other 32-bit iOS devices running iOS 9.1 through 9.3.4. The new build utilizes the newly released "Home Depot" jailbreak targeting 32-bit iOS devices running abovementioned versions of iOS.

"Sometimes we have to look back to add support for older devices and systems", says Vladimir Katalov, ElcomSoft CEO. "For 32-bit devices, we can do a lot, like full decryption of the data partition. This had not been possible since the release of iOS 9.2, since iOS 9.1 was the last jailbreakable version of iOS for 32-bit iPhones and iPads. In this release we add support for those older devices on iOS 9.1-9.3.4, enabling our law enforcement and forensic customers to finally go through the backlog of devices they might still have in the back room."

iOS Forensic Toolkit 2.30 adds full physical acquisition support for 32-bit devices (iPhone 4s, 5 and 5c as well as the corresponding iPad and iPod Touch models) running iOS 9.1 through 9.3.4. The new "Home Depot" jailbreak is required and must be installed prior to acquisition. The "Home Depot" jailbreak for iOS 9.1-9.3.4 (32-bit devices) is available at http://wall.supplies.

The Benefits of Physical Acquisition on 32-bit Devices

Apple is constantly working on tightening security of its mobile hardware and operating system. Jailbreaking becomes increasingly more difficult, while even jailbroken iPhone and iPad devices equipped with Secure Enclave (available in all 64-bit models) put severe limitations on what can and cannot be done on the device. In this regard, 32-bit iPhones and iPads were the last generation of iOS devices for which full, unrestricted access was still possible.

With a plethora of 64-bit devices, jailbreak development has seemingly stopped supporting older iPhones and iPads. After iOS 9.1, physical acquisition was only available for newer, 64-bit devices such as iPhone 5s, 6, 6s and 6s Plus. A new jailbreak codenamed "Home Depot" was recently released to the public, making it possible to adapt Elcomsoft iOS Forensic Toolkit to perform full physical acquisition of jailbroken devices.

Compared to other acquisition methods available for iPhone 4s, 5, 5c and other 32-bit iOS devices, physical acquisition has a number of tangible benefits. When operating on jailbroken 32-bit devices, iOS Forensic Toolkit can extract and decrypt the complete data partition, accessing all application data as well as many other types of information that aren't available with any other acquisition type.

Physical acquisition returns all of the following:

- The full, decrypted image of the iPhone, iPad or iPod Touch device data partition
- Access to sandboxed app data
- Access to conversation histories carried over in some of the most secure messaging apps including Facebook, WhatsApp, Skype, Signal and Telegram
- Full location history stored in the device
- All system logs, temporary files and write-ahead logs (WAL)
- Downloaded email messages
- All keychain data including items protected with the highest security class
- Access to all cached passwords including Apple ID password, if available

Pricing and Availability

Elcomsoft iOS Forensic Toolkit 2.30 is immediately available. North American pricing starts from $1,495. Both Windows and Mac OS X versions are supplied with every order. Existing customers can upgrade at no charge or at a discount depending on their license expiration.

Compatibility

Windows and macOS versions of Elcomsoft iOS Forensic Toolkit are available. Physical acquisition support for the various iOS devices varies depending on lock state, jailbreak state and the version of iOS installed. For some devices running some versions of iOS logical acquisition is the only available method.

At this time, iOS Forensic Toolkit can perform physical acquisition of the following devices:

- iOS 5.0 through 7.1.2: all devices
- iOS 8.0 through 8.4: all devices
- iOS 9.0 through 9.3.4: all devices (for iOS 9.3.4, 64-bit devices only)
- iOS 10.0 through 10.2: 64-bit devices

Support for iOS 10.2.1+ is a subject of jailbreak availability. The full compatibility matrix is available at the product web page.

About Elcomsoft iOS Forensic Toolkit

Elcomsoft iOS Forensic Toolkit provides forensic access to encrypted information stored in popular Apple devices running iOS versions 3 to 10.2. By performing a physical acquisition analysis of the device itself, the Toolkit offers instant access to all protected information including SMS and email messages, call history, contacts and organizer data, Web browsing history, voicemail and email accounts and settings, stored logins and passwords, geolocation history, the original plain-text Apple ID password, conversations carried over various instant messaging apps such as Skype or Viber, as well as all application-specific data saved in the device.

iOS Forensic Toolkit is the only tool on the market to offer physical acquisition for Apple devices equipped with 64-bit SoC including Apple iPhone 5S, 6/6s, iPhone 7 and their Plus versions. Physical acquisition returns significantly more information compared to logical and over-the-air approaches.

About ElcomSoft Co. Ltd.

Founded in 1990, ElcomSoft Co. Ltd. develops state-of-the-art computer forensics tools, provides computer forensics training and computer evidence consulting services. Since 1997, ElcomSoft has been providing support to businesses, law enforcement, military, and intelligence agencies. ElcomSoft tools are used by most of the Fortune 500 corporations, multiple branches of the military all over the world, foreign governments, and all major accounting firms. ElcomSoft is a Microsoft Partner (Gold Application Development), Intel Premier Elite Partner and member of NVIDIA's CUDA/GPU Computing Registered Developer Program.

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