Elcomsoft Phone Breaker Supports Latest Developments in iOS Security, Improves Acquisition Speed and Supports Latest Apple Hardware

Moscow, Russia – December 17, 2014 - ElcomSoft Co. Ltd. releases a major update to Elcomsoft Phone Breaker (former Elcomsoft Phone Password Breaker), a mobile forensic tool for acquiring data from Apple and BlackBerry devices, Apple iCloud and Windows Live! accounts. The new release adds acquisition support for the latest versions of iOS 8/8.1, supports two-factor authentication and extracts all types of data from Apple iCloud.

Elcomsoft Phone Breaker introduces the ability to perform the complete over-the-air acquisition of information stored in the cloud, downloading all information from the user's iCloud account regardless of data type.

The new release enables the extraction of iCloud tokens from binary files such as keychain, plist and registry files. This update enables the extraction of iCloud tokens from stand-alone hard drives and forensic disk images.

Numerous improvements are made in password recovery speeds due to the use of the latest NVIDIA CUDA software and internal optimizations to support the latest Maxwell architecture. Other improvements include built-in checks for updates and support for newer Apple devices such as iPad Air 2, iPad Mini 2, iPhone 6, iPhone 6 Plus.

"Apple released major technological updates and introduced tightened security measures during the past month", ***says Vladimir Katalov, ElcomSoft CEO****. "We are keeping up with the latest developments, adapting to newly implemented security measures. But that's not all! Together with iOS 8 and two-factor authentication support, we are adding the ability for our customers to access most information stored in the user's cloud account."*

iOS 8/8.1 Support

The latest release of Elcomsoft Phone Breaker enables acquisition support for recently introduced iOS 8.1. The tool enables full access to all types of information stored in the user's iCloud, including:

- iWork documents including Pages, Numbers, Keynote (if configured to be stored in the cloud)
- Documents stored by third-party apps (e.g. game backups, 1Password password databases, WhatsApp communications, etc.)
- Certain system files such as user dictionaries, which may contain words and phrases typed by the user that are not part of a common dictionary.

The feature is available in the Forensic edition of Elcomsoft Phone Breaker. The feature is not available for accounts upgraded to iCloud Drive. iCloud Drive support is scheduled for Q1 2015.

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Coping With Apple's New Security Measures: Two-Step Authentication

Apple's response to recent security outbreaks was further expanding two-step authentication and delivering notifications to users when information stored in their cloud account is being accessed from a new device. Two-step authentication is now extended to cover cloud backups.

The new release of Elcomsoft Phone Breaker allows accessing accounts protected with two-step verification and supports all relevant authentication methods including verification code on the trusted device and recovery key. ElcomSoft will continue work on its products to support new authentication methods. Once the user has authenticated successfully, the tool creates a binary authentication token for future use to ensure that all subsequent requests to cloud backups pass through without additional verification steps (until the password or account security settings are changed).

Essentially, two-step verification does not engage and is effectively bypassed if Elcomsoft Phone Breaker is using a binary authentication token collected from the user's computer, hard drive or disk image.

Accessing Cloud Data Without Login and Password

The last release of Elcomsoft Phone Breaker offered the ability to bypass the login and password authentication and use authentication tokens that can be obtained from suspect's Mac or Windows PC. The current release further extends the extraction of iCloud tokens from suspect's computers, adding the ability to extract authentication tokens from stand-alone hard drives and forensic disk images to the previously available live system analysis. In order to extract the authentication token, the user will have to mount the disk image and use the supplied command-line tool.

Extended iCloud recovery is available in the Forensic edition of Elcomsoft Phone Breaker.

About Cloud Data Extraction

Apple iCloud is a popular service providing Apple users with storage space to back up the content of their devices. According to Apple, some 250 million customers are using this online backup service. Apple has recently expanded iCloud by introducing new storage plans and allowing storing and accessing application data.

Elcomsoft Phone Password Breaker was the first third-party forensic tool that can retrieve and decrypt data stored in iCloud. The ability to access information stored in the cloud without having access to the physical device is a valuable feature among the company's forensic, law enforcement and intelligence customers.

No lengthy attacks and no physical access to an iPhone device are required: the data is downloaded directly onto investigators' computers from Apple remote storage facilities in plain, unencrypted form. In order to gain access to online backups, investigators need to either know user's original Apple ID and password or collect a valid authentication token from a computer used to log into the cloud.

If a user owns more than one device, and those devices are registered with the same Apple ID, their cloud data can be seamlessly recovered from the cloud with no extra effort.

About Elcomsoft Phone Breaker

Elcomsoft Phone Breaker (formerly Elcomsoft Phone Password Breaker) provides forensic access to encrypted information stored in popular Apple and BlackBerry devices, Apple iCloud and Windows Live! accounts. By recovering the original password protecting offline backups produced with compatible devices, the tool offers forensic specialists access to SMS and email messages, call history, contacts and organizer data, Web browsing history, voicemail and email accounts and settings stored in those backup files. The new iteration of the product can also retrieve information from online backups stored in Apple iCloud.

Pricing and Availability

Elcomsoft Phone Breaker is available immediately. Home, Professional and Forensic editions are available. iCloud recovery is only available in Professional and Forensic editions, while password-free iCloud access as well as the ability to download arbitrary information are only available in the Forensic edition. Elcomsoft Phone Breaker Pro is available to North American customers for $199. The Home edition is available for $79. The Forensic edition enabling over-the-air acquisition of iCloud data and supporting two-factor authentication is available for $799. Local pricing may vary.

Elcomsoft Phone Breaker supports Windows Vista, Windows 7, 8, 8.1, as well as Windows 2003, 2008 and 2012 Server. Elcomsoft Phone Breaker operates without Apple iTunes or BlackBerry Desktop Software being installed.

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 and its officers are members of the Russian Cryptology Association. ElcomSoft is a Microsoft Certified Partner and an Intel Software Partner.