

ElcomSoft Recovers Stored Passwords in iPhone Devices

Moscow, Russia – August 5, 2010 – ElcomSoft Co. Ltd. updates Elcomsoft iPhone Password Breaker with the ability to recover stored passwords (keychains) in iOS 4 powered iPhone devices. The ability to recover encrypted keychains grants investigators forensic access to passwords stored in iPhone devices, including passwords to email accounts, Web sites, and third-party software, without altering the phone's content.

ElcomSoft is world's first to unlock access to iPhone keychains. Prior to the release of the updated iPhone Password Breaker, the keychains were considered impossible to obtain. The ability to recover stored passwords without altering the phone's content offers valuable court evidence to investigators and forensic authorities.



Background

In Apple iPhone devices, passwords to email accounts, Web sites, and certain third-party software are stored securely in keychains that are encrypted with hardware keys unique to each individual device. Prior to the release of iOS 4, keychains remained encrypted with a device-specific key even when exported to an off-line backup file. With iOS 4 this is not necessarily the case.

With the release of Apple's new OS, iOS 4, the keychains can now be stored in device backups encrypted only with backup's master password. Knowing the password protecting the off-line backup, it is now possible to gain access to encrypted keychains. Unencrypted backups, however, still protect the keychains with the phone's hardware key. In order to gain access to keychains, a password-protected backup must be created first.

About Elcomsoft iPhone Password Breaker

Elcomsoft iPhone Password Breaker grants forensic access to protected information stored in Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPad and iPod Touch devices running iPhone OS or using the new software update, iOS 4. The latest update allows ElcomSoft tool to grant forensic access to passwords stored in iPhone devices running iOS 4, with known or unknown backup passwords and without altering the content of the phone. In case the original backup password is unknown, Elcomsoft iPhone Password Breaker will perform the recovery of the original password to backup. With a known backup password, keychains are recovered near instantly.



Equipped with advanced dictionary attacks and armed with a wide range of permutations, iPhone Password Breaker employs ATI and NVIDIA video acceleration hardware to speed up the recovery of plain-text passwords protecting data backups of original and modified ("jailbroken") devices. ElcomSoft patent-pending GPU acceleration helps unlock encrypted backups orders of magnitude faster than traditional CPU-only algorithms, which is essential considering the strengthened protection found in iOS 4 devices. GPU-accelerated performance is automatically available on multiple high-end and consumer video cards based on NVIDIA and ATI chip sets.

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 Gold Certified Partner and an Intel Software Partner. More information at <http://www.elcomsoft.com>.

Elcomsoft iPhone Password Breaker supports Windows XP, Windows Server 2003, Windows Server 2008, Windows Vista or Windows 7 with x32 and x64 architectures. Downloadable evaluation version is available at <http://iphone.elcomsoft.com>.