

Contact:

Nataly Koukoushkina

Passware Inc.

+1 (650) 472-3716 ext. 101

media@lostpassword.com

Passware First to Enable Computer Forensics to Crack Linux Disk Encryption (LUKS)

Passware introduces hardware-accelerated password cracking software for Linux Unified Key Setup (LUKS) full disk encryption, providing law enforcement and computer investigators with an efficient decryption solution

Mountain View, Calif. (December 4, 2014) – Passware, Inc., a provider of password recovery, decryption, and electronic evidence discovery software for computer forensics, law enforcement organizations, government agencies, and private investigators, announces that Passware Kit Forensic can crack Linux Disk Encryption (LUKS) at record speed.

As Joshua James on Cybercrimetechnology.com observes, existing password recovery solutions for LUKS operate at speeds – less than one password per second – that make the use of these solutions inapplicable in real life. Online resources supporting these claims include <http://www.cybercrimetechnology.com/2014/08/how-to-brute-forcing-password-cracking.html> and <https://code.google.com/p/luks-volume-cracker/>.

Passware pioneers in releasing the commercial software, which recovers LUKS passwords at an incomparable speed of 300 passwords per second using the benefits of NVIDIA or AMD GPU acceleration. Additional speed acceleration can occur via distributed computing. Unlike other commercially available solutions, the LUKS password recovery technology by Passware supports the dictionary approach and regular brute-force methods with customizable patterns.

“Today Linux systems are widely used in every domain from embedded systems to supercomputers. Its use is steadily growing in home and enterprise desktops as well as in the netbook, tablet, smartphone, and wearable technology markets,” said Dmitry Sumin, CEO of Passware. “As a result, Linux encryption is widespread. Such proliferation has created a comparable demand in decryption solutions. With added support of LUKS, Passware now decrypts a full range of full disk decryption on all platforms.”

The Linux Unified Key Setup or LUKS is a disk encryption specification created by Clemens Fruhwirth in 2004 and originally intended for Linux. While most disk encryption software use different and incompatible, undocumented formats, LUKS specifies a platform-independent standard on-disk format for use in various tools.

By implementing this feature, Passware Kit Forensic has become the leading comprehensive solution in hard disk decryption, providing decryption and password recovery capabilities for BitLocker, TrueCrypt, PGP, Mac File Vault2, Mac DMG, and now LUKS. The new version also recovers passwords for databases from KeePass password manager.

Passware Kit Forensic Demonstration

The new features of Passware Kit Forensic will appear for the first time at HTCIA Asia in Hong Kong, December 3-5 (<http://2014.htcia.asia/>). Visit Passware's booth jointly located with Oxygen Forensics, as well as its presentation on December 5th.

Pricing and Availability

Passware Kit Forensic is available directly from [Passware](#) and a network of resellers worldwide. The price is \$995 with one year of free updates. Additional product information and screen shots are available at <http://www.lostpassword.com/kit-forensic.htm>.

About Passware, Inc.

Founded in 1998, Passware, Inc. is the worldwide leading maker of password recovery, decryption, and electronic evidence discovery software. Law enforcement and government agencies, institutions, corporations and private investigators, help desk personnel, and thousands of private consumers rely on Passware software products to ensure data availability in the event of lost passwords. Passware [customers](#) include many Fortune 100 companies and various US federal and state agencies, such as the IRS, US Army, US Department of Defense (DOD), US Department of Justice, US Department of Homeland Security, US Department of Transportation, US Postal Service, US Secret Service, US Senate, and US Supreme Court.

Passware is a privately held corporation with its headquarters in Mountain View, Calif. More information about Passware, Inc. is available at <http://www.lostpassword.com/>.

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