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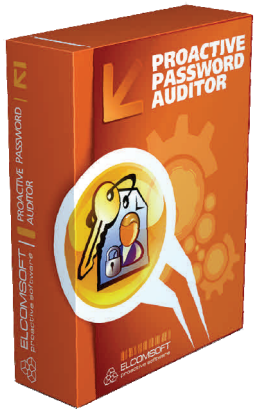
Proactive Password Auditor



Examine Network Security

Proactive Password Auditor helps network administrators to examine the security of their networks by executing an audit of account passwords. By exposing insecure passwords, Proactive Password Auditor demonstrates how secure a network is under attack.

How Secure Is Your Network?

A single weak password exposes your entire network to an external threat. Password-hacking is one of the most critical and commonly exploited network security threats. Network users employ short and simple passwords that are easy to remember, but are also easy to break. They often use repeating characters, simple words and names for easier memorizing. Making them use computer-generated passwords that consist of random characters will only make the problem more severe, as the users will write the passwords down on the proverbial yellow stickers. There is more information available on the issue in the Elcomsoft whitepaper *Proactive Is Better than Reactive: Testing Password Safety – a Key to Securing a Corporate Network*.

Network administrators are also part of the problem, as they may forget purging terminated employees, forcing people to change passwords often, or locking out the users after a certain number of failed login attempts.

Network Security Policies

Weak passwords are easy to break, while complex passwords are difficult to memorize. Having an elaborate security policy is the only way to ensure the security of your network. Force network users to change passwords regularly, and audit the network after every change. Did it take Proactive Password Auditor 30 days to break a password when you performed the last audit? Then examine your network at least once a month to ensure ongoing security.

Network Security Audit

Proactive Password Auditor examines the security of your network by attempting to break into the network. It tries common attacks on the account passwords in an attempt to recover a password of a user account.

Proactive Password Auditor allows carrying out a password audit within a limited period of time. If it is possible for Proactive Password Auditor to recover a password within a reasonable time, the entire network cannot be considered secure.

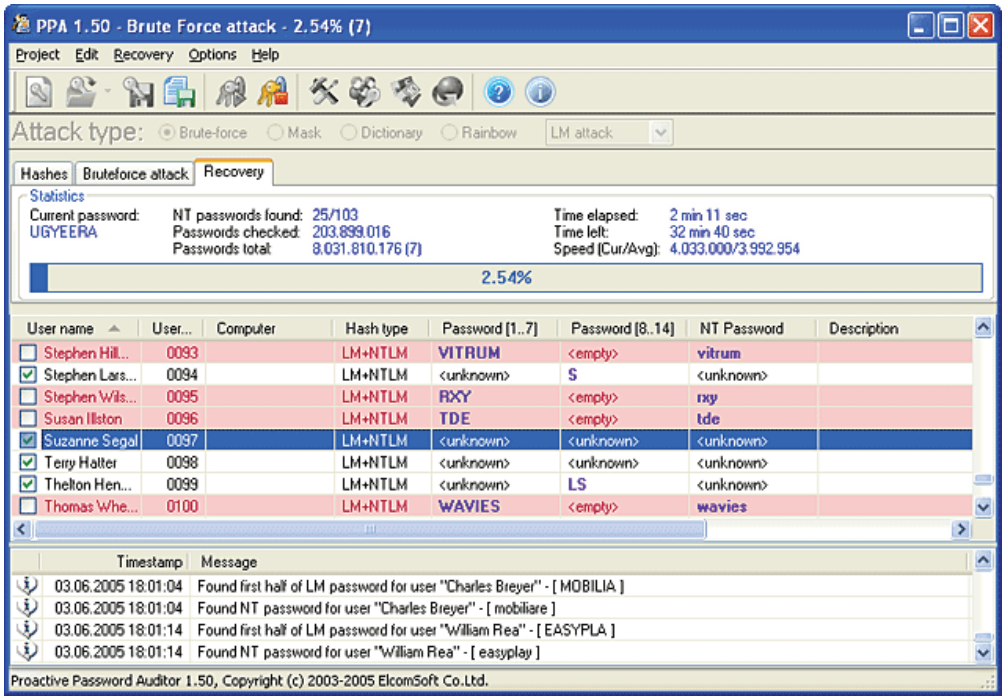
Recover Account Passwords

Network administrators can use Proactive Password Auditor to recover Windows account passwords, too. Proactive Password Auditor analyzes user password hashes and recovers plain-text passwords, allowing accessing their accounts, including EFS-encrypted files and folders.

Feature highlights:

- Uses password cache
- Supports indexed rainbow tables
- Determines how secure your corporate network is
- Tests the strength of passwords protecting user accounts
- Recovers account passwords
- Performs attacks with brute force, by the dictionary, or with a mask from inside or outside of your network
- Recovers up to 95% of passwords in just minutes from the inside with Rainbow attack

Supported types of attacks are reflected in the screenshot below:



More info about Proactive Password Auditor at:
http://www.elcomsoft.com/PPA.html

System requirements for PPA

- Supported Operating Systems: Windows 2000, Windows 7 (32 bit), Windows 7 (64 bit), Windows Server 2003/2008, Windows Vista (32 bit), Windows Vista (64 bit), Windows XP
- About 6 MB of free space on hard disk
- Administrator privileges are required

Types of Attacks

Proactive Password Auditor uses several basic methods for testing and recovering passwords, including brute force attack, mask attack, dictionary search, and Rainbow table attack. The Rainbow attack is particularly effective, as it uses pre-computed hash tables that allow finding up to 95% of passwords in just minutes instead of days or weeks. Fortunately, the Rainbow attack cannot be performed from outside of your network! You'll need either administrative access or a dump file exported by Elcomsoft System Recovery.

Compatibility with Other Elcomsoft Products

Proactive Password Auditor supports off-line recovery of account passwords by analyzing dump files saved by Elcomsoft System Recovery, local Registry, binary Registry files (SAM and SYSTEM), memory of the local computer, and memory of remote computers (Domain Controllers), including ones running Active Directory.

The off-line recovery speed can be greatly enhanced when using Elcomsoft Distributed Password Recovery. Thanks to the patented GPU acceleration technology available in Elcomsoft Distributed Password Recovery, the recovery using a single PC is up to 50 times faster as compared to CPU-only mode and other password-recovery applications. Adding more computers increases the recovery speed linearly with zero scalability overhead.

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About ElcomSoft Co. Ltd.

ElcomSoft Co.Ltd. is a global industry-acknowledged expert in computer and mobile forensics providing tools, training, and consulting services to law enforcement, military, and intelligence agencies in criminal investigations. ElcomSoft has products that are affordable to individual consumers, and enterprise-grade products optimized for recovering passwords with clusters of network-connected workstations. The company's zero overhead algorithms ensure linear performance growth in even the largest networks.

GPU acceleration for faster processing

ElcomSoft pioneered many password recovery and information security technologies and algorithms and now patented technological innovations set industry standards. The company has five US patents granted, and several pending. Our trademarks and copyrights are duly registered and protected. ElcomSoft's patented innovations include *GPU acceleration* allowing to perform password recovery up to 20 times faster compared to Intel top of the line quad-core CPUs by using consumer - grade video cards with AMD or NVIDIA chips. *Thunder Tables®* , yet another patented technology, ensures guaranteed recovery of password-protected Microsoft Word and Microsoft Excel documents in just *seconds* instead of hours or days.

Our customers are our most valuable assets

ElcomSoft products are used by hundreds of thousands of happy customers, with many clients returning to purchase other products from us. We serve government and commercial organizations, including security departments, IT security audit departments and independent security professionals, as well as help desks of major corporations.

Our solutions are used by most of the Fortune 500 corporations, multiple branches of the military all over the world, governments, forensics and intelligence services in many countries including FBI, NSA/CSS, The Federal Security Service of the Russian Federation (FSB), as well as all major accounting companies. ElcomSoft supplies law enforcement and criminal investigation departments with password recovery tools, and helps legal authorities fight cyber-crime by providing consulting and sharing its technological expertise in information security.

Acknowledged by computer security experts

ElcomSoft products have become de-facto industry-standard, are studied in training sessions, and are covered in textbooks. Our products are part of the *Certified Ethical Hacker* initiative, a program that certifies the skills of security officers and consultants, auditors, site administrators, and professionals concerned about information security and the integrity of the network infrastructure.

ElcomSoft is an acknowledged expert in the password / system recovery and forensics market. The company's technological achievements and opinion leadership is quoted in many authoritative publications. For example: ***"****Microsoft Encyclopedia of Security"*, *"The art of deception"* (by Kevin Mitnick), "*IT Auditing: Using Controls to Protect Information Assets****"*** (by Chris Davis), *"Hacking exposed"* (by Stuart McClure). Here is an incomplete list of other publications:

- Hacking For Dummies by Kevin Beaver
- Practical Intrusion Analysis: Prevention and Detection for the Twenty-First Century by Ryan Trost
- FISMA Certification & Accreditation Handbook by L. Taylor
- Computer Network Security: Theory and Practice by Jie Wang
- A+ Certification Study Guide, Sixth Edition by Jane Holcombe, Charles Holcombe
- Investigating Digital Crime by Robin P. Bryant
- Security Engineering: A Guide to Building Dependable Distributed Systems by Ross J. Anderson
- Network Know-How: An Essential Guide for the Accidental Admin by John Ross
- Hacking Exposed: Network Security Secrets and Solutions, Sixth Edition by Stuart McClure, Joel Scambray, George Kurtz

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Government & Commercial Registrations

- D-U-N-S® Number: 534889845
- NATO Commercial and Government Entity (NCAGE, also CAGE) Code: SCM11
- Central Contractor Registration (CCR): Visit www.bpn.gov and enter our NCAGE or DUNS number.

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