Using Artificial Intelligence to decrypt Windows passwords

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The new version of the **Windows Password Recovery** has got a brand-new <u>password recovery Wizard</u>, designed to simplify the process of password recovery as well as to apply some new password lookup technologies. The recovery wizard uses the best and most upto-date password search algorithms that have been invented over the past few years. It's not just simple words. And that's why:

- o The password recovery strength depends on the hardware used.
- To achieve the best result, the program launches different attacks that are optimally matched for searching for different types of passwords.
- The thorough search mode finds more passwords than any similar program.
- The thorough search can generate passwords templates based on found patterns. You can also do it manually in Mask attack options.
- The thorough search mode uses artificial intelligence algorithms to do the job. This is the function that any other similar program lacks.
- No need to go deep into the program's configuration and to investigate different attack settings, the recovery Wizard will do all the 'dirty job' for you.
- And most importantly, the new technology is fully customizable. This means that new versions of Windows Password Recovery can have an even better success rate recovering passwords.
- o Besides, unlike some competitive software, which has options (often turned on by default) for sharing found passwords, WPR does not send any data from your computer.

The Al technology has some drawbacks though. It works better only on large lists of password hashes. For example, when decrypting passwords for Active Directory users. Anyway, in a couple of mouse-clicks, you can easily achieve the recovery rate NO ANY OTHER PROGRAM HAS. To show how effective the new algorithms are, we tested and compared similar programs with exactly the same function for recovering passwords using multiple attacks. Shorn of verbiage, the facts are in numbers below.

Test PC:

CPU - Intel Core i7-4700K 8 cores, 32 GB RAM

GPU1 - AMD RX 470

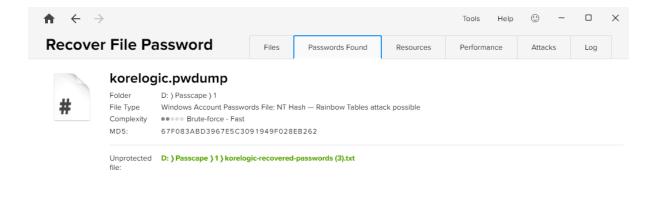
GPU2 - NVIDIA GeForce RTX 2060

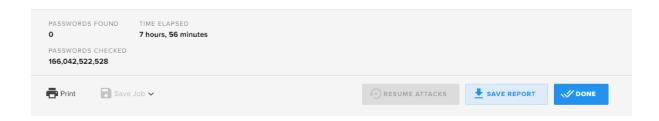
The list of test hashes that were represented in CoreLogic Crack Me If You Can contest is available for download here. 30823 unique NTLM hashes total.

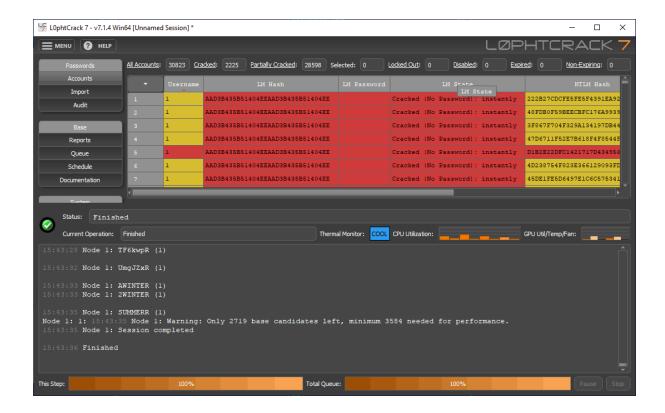
	Passware Kit Forensic	L0phCrack v 7.1.4:	WPR v12: Recovery
	2019: predefined	Common password	Wizard - Thorough
	settings*	audit**	search
Elapsed time	7 h 56 m	5 h 59 m	45 m
Password found	2074	2225	15369
Success rate	6.7%	7.2%	49.9%

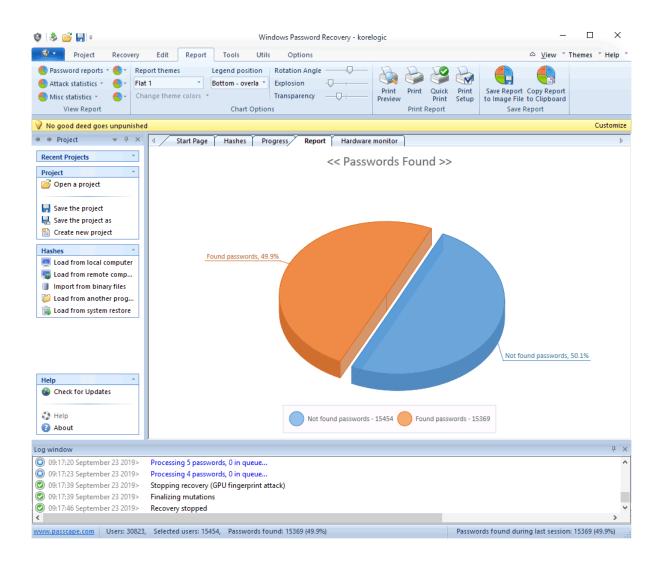
^{*}This is the only option with a predefined set of attacks

^{**}The next option (Thorough recovery) showed the task would complete in 24 hours. That's too much, so we had to reject it right away.









Now it's time for Artificial Intelligence to make all the dirty jobs done for you.