

Malicious KMSpico installers steal your cryptocurrency wallets

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Threat actors are distributing altered KMSpico installers to infect Windows devices with malware that steals cryptocurrency wallets.

This activity has been spotted by researchers at Red Canary, who warn that pirating software to save on licensing costs isn't worth the risk.

KMSpico is a popular Microsoft Windows and Office product activator that emulates a Windows Key Management Services (KMS) server to activate licenses fraudulently.

According to Red Canary, many IT departments using KMSpico instead of legitimate Microsoft software licenses are much bigger than one would expect.

"We've observed several IT departments using KMSpico instead of legitimate Microsoft licenses to activate systems," explained Red Canary intelligence analyst Tony Lambert.

"In fact, we even experienced one ill-fated incident response engagement where our IR partner could not remediate one environment due to the organization not having a single valid Windows license in the environment."

Tainted product activators

KMSPico is commonly distributed through pirated software and cracks sites that wrap the tool in installers containing adware and malware.

As you can see below, there are numerous sites created to distribute KMSPico, all claiming to be the official site.

The screenshot shows a Google search for 'kmspico'. The search bar at the top contains the text 'kmspico'. Below the search bar, there are navigation options: 'All', 'Images', 'Videos', 'News', 'Books', and 'More'. The search results are displayed below, showing approximately 1,970,000 results in 0.46 seconds. The first result is from 'https://www.official-kmspico.com' with the title 'KMSPico Activator Download | Official Site [November 2021]'. The second result is from 'https://www.getkmspico.com' with the title 'The Official KMSPico Site | Download KMSPico 10.2.0'. The third result is from 'https://www.officialkmspico.com' with the title 'Download KMSPico for Windows 10, 8, 7 & Office - The ...'. Below the search results, there is a 'People also ask' section with four questions: 'Is KMSPico a virus?', 'Is using KMSPico safe?', 'What is KMSPico used for?', and 'Is KMS activation legal?'. At the bottom of the search results, there are more search results, including one from 'https://get-kmspico.com' with the title 'KMSPico Activator | Official Site [November 2021] | Windows' and another from 'https://official-kmspico.org' with the title 'KMSPico Download | The Official KMS Activator Website [2021]'. A 'Feedback' link is visible at the bottom right of the search results area.

Most Google Search results

are sites that claim to be official

A malicious KMSPico installer analyzed by RedCanary comes in a self-extracting executable like 7-Zip and contains both an actual KMS server emulator and Cryptbot.

- Opera Web Browser
- Waves Client and Exchange cryptocurrency applications
- Coinomi cryptocurrency wallet
- Google Chrome web browser
- Jaxx Liberty cryptocurrency wallet
- Electron Cash cryptocurrency wallet
- Electrum cryptocurrency wallet
- Exodus cryptocurrency wallet
- Monero cryptocurrency wallet
- MultiBitHD cryptocurrency wallet
- Mozilla Firefox web browser
- CCleaner web browser
- Vivaldi web browser

Because Cryptbot's operation doesn't rely on the existence of unencrypted binaries on the disk, detecting it is only possible by monitoring for malicious behavior such as PowerShell command execution or external network communication.

Red Canary shares the following four key points for threat detection:

- binaries containing AutoIT metadata but don't have "AutoIT" in their filenames
- AutoIT processes making external network connections
- findstr commands similar to findstr /V /R "^ ... \$"
- PowerShell or cmd.exe commands containing rd /s /q, timeout, and del /f /q together

In summary, if you thought that KSMPico is a smart way to save on unnecessary licensing costs, the above illustrates why that's a bad idea.

The reality is that the loss of revenue due to incident response, ransomware attacks, and cryptocurrency theft from installing pirated software could be more than the cost of the actual Windows and Office licenses.

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Bill Toulas is a technology writer and infosec news reporter with over a decade of experience working on various online publications. An open source advocate and Linux enthusiast, is currently finding pleasure in following hacks, malware campaigns, and data breach incidents, as well as by exploring the intricate ways through which tech is swiftly transforming our lives.