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> Microsoft SQL servers hacked to steal bandwidth for proxy services

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Threat actors are generating revenue by using adware bundles, malware, or even hacking into Microsoft SQL servers, to convert devices into proxies that are rented through online proxy services.

To steal a device's bandwidth, the threat actors install software called 'proxyware' that allocates a device's available internet bandwidth as a proxy server that remote users can use for various tasks, like testing, intelligence

collection, content distribution, or market research.

Botters also love these proxy services as they gain access to residential IP addresses that have not been blacklisted from online retailers.



In return for sharing their bandwidth, the device's owner gets a revenue share of the fees charged to customers. For example, the Peer2Profit service shows users making as much as \$6,000 per month by installing the company's software on thousands of devices.

	Earned per month	Devices	Referrals	Proxies
m*****j@hotmail.com	6079.49 \$	270207	0	498
p*****2@hotmail.com	2846.1 \$	41076	0	0
s*****3@protonmail.com	1729.97 \$	31714	3	0
w***c@gmail.com	1274.2 \$	1300	2	0
s*****1@yandex.ru	963.36 \$	454	2	0
a*****3@gmail.com	645.19 \$	457	6	0
g*****7@gmail.com	529.13 \$	2352	2	0
n*****o@hotmail.com	523.85 \$	13220	0	0
j*****9@gmail.com	500.88 \$	1798	0	0
m*****9@hotmail.com	446.25 \$	0	7878	0

Top 10 users on the Peer2Profit proxy service

According to a new report published today by researchers at South Korean company Ahnlab (<https://asec.ahnlab.com/en/37276/>), new malware campaigns have emerged that install proxyware to earn money from sharing their victim's network bandwidth.

The attackers receive compensation for the bandwidth by setting their email address for the user, while the victims might only notice some connectivity slowdowns and hiccups.

Sneaking proxy clients on devices

Ahnlab observed the installation of proxyware software for services, such as Peer2Profit and IPRoyal, via adware bundles and other malware strains.

Unfortunately, this also means that other threat actors can use these proxies for illegal activities without the victim being aware.

Infesting MS-SQL servers too

According to Ahnlab's report, malware operators using this scheme to generate revenue also target vulnerable MS-SQL servers to install Peer2Profit clients.

This has been going on since early June 2022, with most logs retrieved from infected systems revealing the existence of a UPX-packed database file named “sdk.mdf.”

■ sqlservr.exe	N/A	Creates executable file	Creates executable file in Windows path	Target ■ sdk.mdf
■ sqlservr.exe	N/A	Loads DLL	Loads DLL	Library Dynamic ■ sdk.mdf

SQL process installing Peer2Profit (ASEC)

Among the more common threats for Microsoft SQL servers are cryptocurrency coin miners (<https://www.bleepingcomputer.com/news/security/nanshou-miner-attack-infests-50k-ms-sql-phpmyadmin-servers/>) that perform cryptojacking. There are also plenty of instances where the threat actor uses the server as a pivoting point into the network via Cobalt Strike beacons (<https://www.bleepingcomputer.com/news/security/vulnerable-microsoft-sql-servers-targeted-with-cobalt-strike/>).

The reason behind using proxyware clients is likely an increased chance of remaining undetected for extended periods, which translates into more significant profits. It is unclear how much money actors generate via this method, though.

Furthermore, Microsoft SQL servers are usually located in corporate networks or data centers with abundant Internet bandwidth that proxy services can sell for illegal purposes.