



# Briefing Malware

CERT Sogeti ESEC

TLP:WHITE



## About this report

This report aims to identify the Tactics, Techniques and Procedures (TTP's) of the most known malwares along this year on the [ANY.RUN](#) platform © from the 13/08 to 21/09.

This analysis is based on the [MITRE ATT&CK](#) © matrix in the evaluation of the TTP's most exploited by cyber actors in order to prioritize the vigilance effort of the detection and incident response teams.

A remediation solution is proposed in the "Mitigations" tab for each technique.

Please note that the sub-techniques are now available for the Enterprise Matrix of Mitre ATT&CK. We work on it to add more and more details about these sub-techniques in the present communication. You can click [here](#) to know more about this new way of analysing TTPs of malwares.

## Most Recurrent Malwares

≡	1	<a href="#">Redline</a> (NC)
≡	2	njRAT (ID Mitre: <a href="#">S0385</a> )
≡	3	<a href="#">Raccoon</a> (NC)
∨	4	<a href="#">FormBook</a> (NC)
∨	5	<a href="#">AsyncRAT</a> (NC)
∨	6	<a href="#">Vidar</a> (NC)
∨	7	<a href="#">Snake</a> (NC)
∨	8	<a href="#">Lokibot</a> (ID Mitre: <a href="#">S0447</a> )
∨	9	<a href="#">Remcos</a> (ID Mitre : <a href="#">S0332</a> )
∨	10	<a href="#">Nanocore</a> (ID Mitre: <a href="#">S0336</a> )



## Most observed malwares's TTPs overlaps

A graphic presentation of TTPs overlaps between malwares is available in the next pages. For each tactic, you can find the listing of the names and the IDs of the techniques. Credits from The Mitre Corporation ©.

TA0002 : Execution		TA0003 : Persistence		TA0004 : Privilege Escalation		TA0005 : Defense Evasion		TA0006 : Credential Access		TA0007 : Discovery		TA0009 : Collection		TA0011 : Command and Control	TA0010 : Exfiltration
T1059 : Command and Scripting Interpreter	T1059.003 : Windows Command Shell	T1547 : Boot or Logon Autostart Execution	T1547.001 : Registry Run Keys / Startup Folder	T1547 : Boot or Logon Autostart Execution	T1547.001 : Registry Run Keys / Startup Folder	T1112 : Modify Registry		T1056 : Input Capture	T1056.001 : Keylogging	T1012 : Query Registry	T1056 : Input Capture	T1056.001 : Keylogging	T1105 : Ingress Tool Transfer		T1041 : Exfiltration Over C2 Channel
				T1055 : Process Injection		T1027 : Obfuscated Files or Information		T1555 : Credentials from Password Stores	T1555.003 : Credentials from Web Browsers	T1082 : System Information Discovery	T1560 : Archive Collected Data			T1571 : Non-Standard Port	
						T1055 : Process Injection		T1552 : Unsecured Credentials	T1552.001 : Credentials In Files	T1057 : Process Discovery	T1113 : Screen Capture				
						T1562 : Impair Defenses				T1083 : File and Directory Discovery	T1125 : Video Capture				
						T1070 : Indicator Removal on Host	T1070.004 : File Deletion			T1120 : Peripheral Device Discovery	T1123 : Audio Capture				
												T1005 : Data from Local System			

### Legend

<span style="display:inline-block; width:15px; height:15px; background-color:darkred;"></span> Technique shared by 9 malwares	<span style="display:inline-block; width:15px; height:15px; background-color:lightcoral;"></span> Technique shared by 6 malwares
<span style="display:inline-block; width:15px; height:15px; background-color:red;"></span> Technique shared by 8 malwares	<span style="display:inline-block; width:15px; height:15px; background-color:orange;"></span> Technique shared by 5 malwares
<span style="display:inline-block; width:15px; height:15px; background-color:lightcoral;"></span> Technique shared by 7 malwares	<span style="display:inline-block; width:15px; height:15px; background-color:lightorange;"></span> Technique shared by 4 malwares
	<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span> Technique shared by 3 malwares



## List of most leveraged techniques

To optimize the visibility of the results, only techniques shared by at least 3 malwares are listed here (from the most to the less shared).

T1059	Command and scripting interpreter	T1105	Ingress tool transfer
T1547	Boot or Logon Autostart Execution	T1562	Impair defense
T1056	Input Capture	T1070	indicator Removal on host
T1012	Query registry	T1070.004	File Deletion
T1082	System Information Discovery	T1555	Credential from Password Stores
T1547.001	Registry run keys/Startup folder	T1555.003	Credential from Web browsers
T1112	Modify registry	T1552	Unsecured Credentials
T1027	Obfuscated files or information	T1552.001	Credentials In Files
T1056.001	Keylogging	T1120	Peripheral Device Discovery
T1057	Process discovery	T1123	Audio Capture
T1059.003	Windows Command Shell	T1005	Data from Local System
T1055	Process injection	T1571	Non-standard port
T1083	File and Directory Discovery	T1041	Exfiltration over C2 channel
T1560	Archive Collected Data		
T1113	Screen capture		
T1125	Video capture		

## What's new?

### Snake (NC)

#### Another "Quotation"-themed SnakeKeylogger campaign

A new **#Snake Keylogger** world campaign has been detected by **@JAMESWT**. The email named "Quotation" contains an **"#LZH"** archive attachment with an **#EXE** inside. The binary delivered the malware itself which will collect all sensitive data before sent it by **#smtp**.

SnakeKeylogger, also known as **#404KeyLogger** and initially released in 2019 on a Russian forum, is a **#subscription-based** keylogger and **#datastealer**. Its main capability is to log any keyboard stroke, but it can also extract many personal and sensitive information such as **#web browser** information (credentials database, credit cards,...). It can also take **#screenshots** and extract **#clipboard** information.

SnakeKeyLogger can be bought for 25 to 500 USD on underground forums including services and the malware itself. Its usual methods of **#data exfiltration** could be **#email**, **#FTP**, **#smtp**, **#Pastebin** or **#Telegram**.

Based on the recent analysis of **HP threatresearch**, it was reported that five keylogger families active in the last two years are likely derived from the same code base.

<https://www.difesaesicurezza.com/areariservatacat/cybercrime-torna-la-campagna-snakekeylogger-a-tema-quotation/>

