

HiveForce Labs
WEEKLY
THREAT DIGEST

**Attacks, Vulnerabilities and Actors**25 SEPTEMBER to 01 OCTOBER 2023

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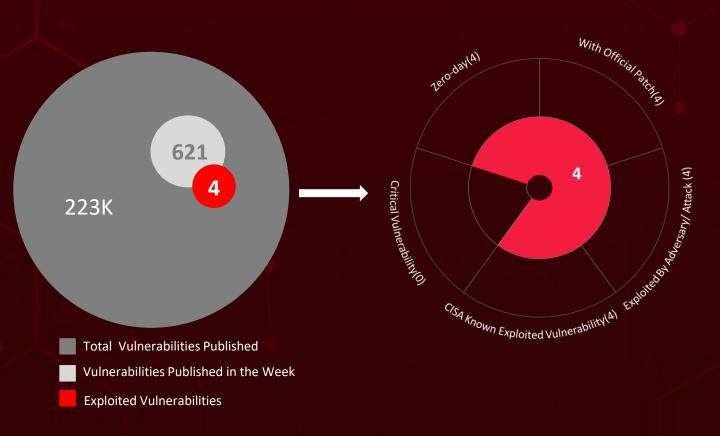
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## **Summary**

HiveForce Labs has recently made several significant discoveries related to cybersecurity threats. Over the past week, we identified a total of **eight** executed attacks, **three** instances of adversary activity, and **four** zero-day vulnerabilities, highlighting the everpresent danger of cyberattacks.

Furthermore, HiveForce Labs uncovered a modular RAT named **ZenRAT**, which is distributed through fake Bitwarden password manager installers, primarily targeting Windows users.

Meanwhile, <u>BlackTech</u>, a China-based threat actor, is exploiting router firmware and targeting users in the U.S. and East Asia across various sectors. These observed attacks have been on the rise, posing a significant threat worldwide.



# **High Level Statistics**

8 Attacks Executed

4 Vulnerabilities Exploited

Adversaries in Action

- RedLine Stealer
- ZenRAT
- DangerAds
- AtlasAgent
- Deadglyph Backdoor
- Bisonal
- ReVBShell
- Predator

- CVE-2023-41991
- CVE-2023-41992
- CVE-2023-41993
- CVE-2023-5217
- Stealth Falcon
- TAG-74
- BlackTech



### **APT 33**

**Using Password Spray** Campaigns to Infiltrate **Organizations** 

### RedLine Stealer

A new variant is being distributed as a batch script

### **TAG-74**

An espionage group, targets South Korean Organizations by using Bisonal and ReVBShell backdoor

## Stealth Falcon

A cyber espionage group employs "Deadglyph" backdoor to primarily infiltrate Middle Eastern government entities

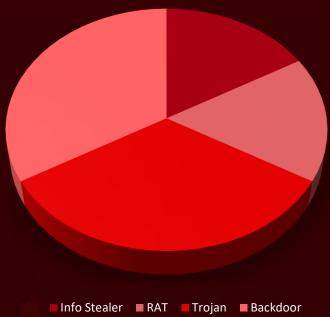
### Apple 0-day

Apple addressed three zero-day vulnerabilities used in an iPhone exploit chain to deliver the Predator spyware

### **ZenRAT**

A new malware distributed through fake Bitwarden password manager installers, primarily targeting Windows users

### **Threat Distribution**





# **Targeted Countries**

Most



Least



Countries
United States
Japan
South Korea
Oman
Lebanon
China
Russia
Egypt
United Arab
Emirates
Iran
Mongolia
Iraq
Qatar
Israel
Saudi Arabia
Syria
Taiwan

Countries	
Montenegro	
Bhutan	
Brazil	
Palau	
Brunei	
Sudan	
Bulgaria	
Marshall Islands	
Burkina Faso	
New Zealand	
Burundi	
Barbados	
Cabo Verde	
Slovakia	
Cambodia	
Tanzania	
Cameroon	
Uruguay	
Canada	
Micronesia	
Central African	
Republic	
Namibia	
South Africa	

Countries
Ukraine
Côte d'Ivoire
Venezuela
Croatia
Mauritius
Cuba
Monaco
Cyprus
Mozambique
Czech Republic
Nepal
Denmark
Niger
Djibouti
Bangladesh
Dominica
Papua New
Guinea
Dominican
Republic
Poland
East Timor (Timor-
Leste)
Belarus

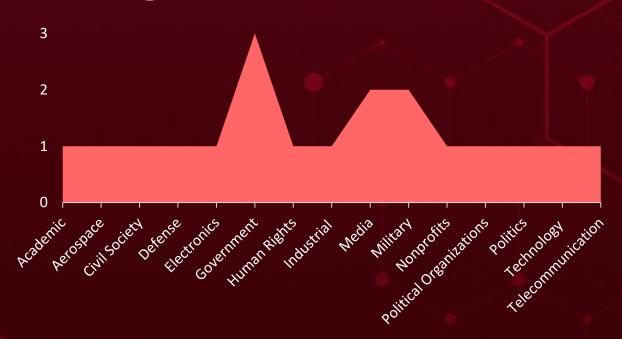
Countries
El Salvador
Sierra Leone
<b>Equatorial Guinea</b>
Solomon Islands
Eritrea
Spain
Estonia
Suriname
Eswatini
Benin
Ethiopia
The Bahamas
Fiji
Trinidad and
Tobago
Finland
Tuvalu
France
United Kingdom
Gabon
Vanuatu
Georgia
Malta
Germany
Mauritania
Ghana

**United States** 

Turkey Jordan

Kuwait Yemen

# **Targeted Industries**



## **TOP MITRE ATT&CK TTPS**

**T1204.002** Malicious File

T1204

User Execution T1566
Phishing

T1059
Command and
Scripting
Interpreter

T1059.001
PowerShell

T1059.003

Windows Command Shell T1082

System
Information
Discovery

T1090

Proxy

T1518

Software Discovery T1620

Reflective Code Loading

**T1588** 

Obtain Capabilities T1588.006

Vulnerabilities

T1041

Exfiltration
Over C2
Channel

T1562.001

Disable or Modify Tools T1587.001

Malware

**T1087** 

Account Discovery T1555.003

Credentials from Web Browsers

T1016

System
Network
Configuration
Discovery

T1569

System Services T1105

Ingress Tool Transfer

## **X Attacks Executed**

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
RedLine Stealer	RedLine Stealer is one of the emerging stealer malwares distributed under the guise of fake	Phishing	-
ТҮРЕ		IMPACT	AFFECTED PRODUCTS
Info Stealer	documents or software. RedLine stealer was first		-
ASSOCIATED ACTOR	discovered in March 2020 and is one of the most popular stealer malwares. It is designed to steal sensitive information from compromised systems.	Data theft	PATCH LINK
<u>-</u>			-
IOC TYPE	VALUE		
SHA256	ddb7185f7da4beef972a1188d55c722a924862eb97c2fd42e5bbbd8d9074055b, d8c681f4bde8e5a20849ec21389d6592229e995fbb0155952b93d7e792df7cca, de2949c25878b7849a5fe7e6f7820005ab07c370c4754a6284d11162573145bf, 8fb369b47a2e6046a68026aea6c6f1198dcc6bfe9418d0f75118d24d37a68abb, bf803adb5695fce143062e6f51980d46537167b7a9e0e85ad13a999e35bd0466		

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>ZenRAT</u>	The ZenRAT malware is a modular remote access trojan (RAT) with information stealing capabilities. ZenRAT has emerged in the wild that's distributed via bogus installation packages of the Bitwarden password manager.	-	-
ТҮРЕ		IMPACT	AFFECTED PRODUCTS
Modular remote access trojan (RAT)		Data Theft	-
ASSOCIATED ACTOR			PATCH LINK
-			-
IOC TYPE	VALUE		
SHA256	60098db9f251bca8d40bf6b19e3defa1b81ff3bdc13876766988429a2e922a06, 8378c6faf198f4182c55f85c494052a5288a6d7823de89914986b2352076bb12, 986aa8e20962b28971b3a5335ef46cf96c102fa828ae7486c2ac2137a0690b76, ba36d9d6e537a1c1ecdf1ace9f170a3a13c19e77f582a5cae5c928a341c1be8d, D7d59f7db946c7e77fed4b927b48ab015e5f3ea8e858d330930e9f7ac1276536		

The IOCs (Indicators of Compromise) for the attacks executed are listed in the appendix section at the end of the report.

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>DangerAds</u>	DangerAds is a loader Trojan. Its main function is to detect the host environment and execute a built-in shellcode in its own process, and then the shellcode loads and runs subsequent Trojan programs.	Phishing emails	
ТҮРЕ		IMPACT	AFFECTED PRODUCTS
Trojan		Obtain host information, execute shellcode, download and execute	
ASSOCIATED ACTOR			PATCH LINK
AtlasCross			
IOC TYPE	VALUE		
MD5	F8bafe2ce6f11a32109abbab1c42e2cf		

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>AtlasAgent</u>	AtlasAgent is Trojan horse program developed by AtlasCross. The main functions of the Trojan are to obtain host information, process information, prevent opening of multi-programs, inject specified shellcode and download files from CnC servers.	Phishing emails	-
ТҮРЕ		IMPACT	AFFECTED PRODUCTS
Trojan		Obtain host information, execute shellcode, download and execute	-
ASSOCIATED ACTOR			PATCH LINK
AtlasCross			-
IOC TYPE	VALUE		
MD5	ca48431273dfcd2bd025e55f2de30635, ba85467ceff628be8b4f0e2da2a5990c		

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>Deadglyph</u>		Unknown	-
<u>Backdoor</u>	Deadglyph backdoor's	IMPACT	AFFECTED
ТҮРЕ	architecture is unusual as it consists of cooperating components one a native x64 binary, the other a .NET assembly. The backdoor has a range of counter detection mechanisms		PRODUCTS
Backdoor		Data Theft and Financial loss	-
ASSOCIATED ACTOR			PATCH LINK
Stealth Falcon			-
IOC TYPE	VALUE		
SHA1	c40f1f46d230a85f702daa38cfa18d60481ea6c2, 740d308565e215eb9b235cc5b720142428f540db, 1805568d8362a379af09fd70d3406c6b654f189f, 9cb373b2643c2b7f93862d2682a0d2150c7aec7e, f47cb40f6c2b303308d9d705f8cad707b9c39fa5,		

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>Bisonal</u>	Bisonal is a long-running customized backdoor that, because o f its added capability, is likely meant to be used as a follow-up malware family loade d after initial access is es tablished.  Bisonal has been spotted assisting with the TAG-74 infrastructure.	Visual Basic Script backdoor	-
ТҮРЕ		IMPACT	AFFECTED PRODUCTS
Backdoor		Information Theft and Financial loss	-
ASSOCIATED ACTOR			PATCH LINK
TAG-74			-
IOC TYPE	VALUE		
SHA256	11cd4b64dcac3195c01ffc937ae1eb77aa2f98d560a75347036d54a1cf69a5fd, 01e5ebc2c096d465800660a0ad6d62208a5b2b675e3700f3734fac225b1d38bd, a88ca28b0948e810d4eb519db7b72a40cfe7907ce4c6a881a192880278f3c8b5, 89f250599e09f8631040e73cd9ea5e515d87e3d1d989f484686893becec1a9bc, 0ea0b19c562d20c6ac89a1f2db06eedcb147cde2281e79bb0497cef62094b514		

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>ReVBShell</u>	TAG-74 utilizes social	Social Engineering	-
ТҮРЕ	engineering attacks, employing Microsoft Compiled HTML Help	IMPACT	AFFECTED PRODUCTS
Backdoor	(CHM) files as lures. These CHM files are used		-
ASSOCIATED ACTOR	to deliver a modified version of an open-		PATCH LINK
TAG-74	source Visual Basic Script backdoor known as "ReVBShell." ReVBShell is configured to enter a sleep mode for a specified duration, a command that can be issued remotely and edited as needed from a server.	Information Theft and Financial loss	-
IOC TYPE	VALUE		
SHA256	aa4ad5341a9258330abd732cbab3721d76764f1ff21a8f960622661d701a1a71, 8f50f49e77ddcc7ef639a76217b2eb25c48f9ce21ae8341050d0da49b89b7b34, ae0f641dc9d33ee50990971104ef1c598e216693700be6b74bb1e9ef373af97c, 465c7c6a0f23ba5f928fc0d0cdc4d9f6ec89e03dcedafc3d72b3b3c01a54a00c, 6a59421fd225d90439b6a933458718cf43dbe518c63979e8980bc070c070558a		

NAME	OVERVIEW	DELIVERY METHOD	TARGETED CVEs
<u>Predator</u>		Social Engineering	CVE-2023-41991 CVE-2023-41992 CVE-2023-41993 CVE-2023-5217
ТҮРЕ	Predator malware is a type of spyware developed and sold by Israeli company Intellexa. It is a very dangerous virus that can steal	IMPACT	AFFECTED PRODUCTS
Spyware			iPhone, iOS, iPadOS, macOS, watchOS, Safari, Google Chrome, Firefox, FirefoxESR, Firefox Focus for Android, Firefox for Android
ASSOCIATED ACTOR	information from victims, including		PATCH LINK
<u>-</u>	passwords, browser data, and the contents of cryptocurrency wallets. It can also take photos using the infected victim's webcam.	Information Theft and Financial loss	https://support.apple.com/en-us/HT213927; https://support.apple.com/en-us/HT213931; https://support.apple.com/en-us/HT213932; https://chromereleases.googleblog.com/2023/09/stable-channel-update-for-desktop_27.html; https://www.mozilla.org/en_US/security/advisories/mfsa_2023-44/
IOC TYPE	VALUE		
SHA256	df9c1ed19c6bd78d9813bb2b9b084b16781f9dd64b5236f77622f632d98b9a9f, 93488594d1b33bd64a0c5568a54e8f23f4aef6b6ae1b498c10b114a18c18a4ec, edbcfe1171767f6e2a18266e14039c5fecfd0922fd5eca64971a901ea2d9d8aa, 09780015b2aeb7e82bdd67973f45d5eea247ff19057ed8be1c61d8c434983977, 896e102087175cb5b690b21e3395b77d0db05e7ded7c6dd62a50494630b420fe		

# **We Vulnerabilities Exploited**

CVE ID	CELEBRITY VULNERABILITY	AFFECTED PRODUCTS	ASSOCIATED ACTOR
	8	iPhone, iOS, iPadOS, macOS, watchOS, and	
CVE-2023-41991	ZERO-DAY	Safari	
	<b>⊘</b>	AFFECTED CPE	ASSOCIATED ATTACKS/RANSOMWA RE
NAME	BAS ATTACKS	cpe:2.3:o:apple:ipad_os: *:*:*:*:*:*:*	
Apple Multiple Products Improper Certificate Validation Vulnerability	8	<pre>cpe:2.3:o:apple:iphone_o s:*:*:*:*:*:* cpe:2.3:o:apple:watchos: *:*:*:*:*:*:* cpe:2.3:o:apple:macos:*: *:*:*:*:*:*:*</pre>	Predator
	CWE ID	ASSOCIATED TTPs	PATCH LINK
	CWE-295	T1587.003: Develop Capabilities: Digital Certificates	https://support.apple.c om/en-us/HT213927; https://support.apple.c om/en-us/HT213931

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CVE ID	CELEBRITY VULNERABILITY	AFFECTED PRODUCTS	ASSOCIATED ACTOR
	8	iPhone, iOS, iPadOS, macOS, watchOS, and	
CVE-2023-41992	ZERO-DAY	Safari	
	<b>⊘</b>	AFFECTED CPE	ASSOCIATED ATTACKS/RANSOMWA RE
NAME	BAS ATTACKS	cpe:2.3:o:apple:ipad_os:*:*:*:* :*:*:*	
Apple Multiple Products Kernel Privilege Escalation Vulnerability	<b>&amp;</b>	cpe:2.3:o:apple:iphone_os:*:*: *:*:*:*:* cpe:2.3:o:apple:watchos:*:*:*: *:*:*:*: cpe:2.3:o:apple:macos:*:*:*:*: *:*:*:*	Predator
	CWE ID	ASSOCIATED TTPs	PATCH LINK
	CWE-754	T1068: Exploitation for Privilege Escalation	https://support.apple.c om/en-us/HT213927; https://support.apple.c om/en-us/HT213931; https://support.apple.c om/en-us/HT213932

CVE ID	CELEBRITY VULNERABILITY	AFFECTED PRODUCTS	ASSOCIATED ACTOR
CVE-2023-41993	ZERO-DAY	Windows: 10 - 11 22H2 Windows Server: 2008 - 2022 20H2	<u>-</u>
	<b>✓</b>	AFFECTED CPE	ASSOCIATED ATTACKS/RANSOM WARE
NAME	BAS ATTACKS	cpe:2.3:o:apple:ipad_os:	
	<b>&amp;</b>	*:*:*:*:*:*:*  cpe:2.3:o:apple:iphone_ os:*:*:*:*:*:*:*  cpe:2.3:o:apple:watchos :*:*:*:*:*:*:*  cpe:2.3:o:apple:macos:* :*:*:*:*:*:*:*	Predator
Apple Multiple	CWE ID	ASSOCIATED TTPs	PATCH DETAILS
Products WebKit Code Execution Vulnerability	CWE-754	T1068: Exploitation for Privilege Escalation	https://support.app le.com/en- us/HT213927; https://support.app le.com/en- us/HT213931; https://support.app le.com/en- us/HT213932

CVE ID	CELEBRITY VULNERABILITY	AFFECTED PRODUCTS	ASSOCIATED ACTOR
	8	Google Chrome, Firefox, Firefox ESR, Firefox Focus for	-
CVE-2023-5217	ZERO-DAY	Android, Firefox for Android	
	<b>◇</b>	AFFECTED CPE	ASSOCIATED ATTACKS/RANSOMWARE
NAME	CISA KEV	cpe:2.3:a:google:google_	
Google Chrome libvpx Heap Buffer Overflow Vulnerability	✓	chrome :117.0.5938.92:*:*:*:*:  ::*  cpe:2.3:a:mozilla:firefox_ focus_for_android:118.0:  ::*:*:*:*:*  cpe:2.3:a:mozilla:firefox_ ESR:115.3.0:*:*:*:*:*:  cpe:2.3:a:mozilla:mozilla_ firefox:118.0:*:*:*:*:  :*  cpe:2.3:a:mozilla:firefox_ for_android:118.0:*:*:*:  ::*::*:*:*:*:*:*:*:*:*:*:*:*:*	Predator
	CWE ID	ASSOCIATED TTPs	PATCH DETAILS
	CWE-122	T1189:Drive-by Compromise	https://chromereleases.goo gleblog.com/2023/09/stable -channel-update-for- desktop 27.html, https://www.mozilla.org/en- US/security/advisories/mfsa 2023-44/

## Adversaries in Action

NAME	ORIGIN	TARGETED INDUSTRIES	TARGETED COUNTRIES
	UAE		
	MOTIVE		
Stealth Falcon (aka FruityArmor	Information theft and espionage	Media, Civil Society, Human Rights, Government, Politics, and Nonprofits	Middle East
<u>, Project</u> <u>Raven)</u>	TARGETED CVEs	ASSOCIATED ATTACKS/RANSOMW ARE	AFFECTED PRODUCTS
	-	Deadglyph Backdoor	-

#### **TTPs**

TA0042 Resource Development; TA0002 Execution; TA0003 Persistence; TA0005 Defense Evasion; TA0007 Discovery; TA0009 Collection; TA0011 Command and Control; TA0010 Exfiltration; T1583.001 Domains; T1583.003 Virtual Private Server; T1587.001 Malware; T1588.003 Code Signing Certificates; T1047 Windows Management Instrumentation; T1059.003 Windows Command Shell; T1106 Native API; T1204.002 Malicious File; T1546.003 Windows Management Instrumentation Event Subscription; T1027 Obfuscated Files or Information; T1070.004 File Deletion; T1112 Modify Registry; T1134 Access Token Manipulation; T1140 Deobfuscate/Decode Files or Information; T1218.011 Rundll32; T1480.001 Environmental Keying; T1562.001 Disable or Modify Tools; T1620 Reflective Code Loading; T1007 System Service Discovery; T1012 Query Registry; T1016 System Network Configuration Discovery; T1033 System Owner/User Discovery; T1057 Process Discovery; T1082 System Information Discovery; T1518.001 Security Software Discovery; T1005 Data from Local System; T1071.001 Web Protocols; T1090 Proxy; T1573.001 Symmetric Cryptography; T1041 ExfiltrationOver C2 Channel

NAME	ORIGIN	TARGETED INDUSTRIES	TARGETED COUNTRIES
	China	Academic, aerospace,	
( <del></del>	MOTIVE	defense, government, military,	South Korea, Japan, and Russia
45	Cyber-espionage	and political organizations	
<u>TAG-74</u>	TARGETED CVEs	ASSOCIATED ATTACKS/RANSOMW ARE	AFFECTED PRODUCTS
		Bisonal, ReVBShell	

#### **TTPs**

TA0001 Initial Access; TA0002 Execution; TA0003 Persistence; TA0005 Defense Evasion; TA0007 Discovery; TA0011 Command and Control; TA0010 Exfiltration; T1566 Phishing; T1566.001 Spearphishing Attachment; T1059 Command and Scripting Interpreter; T1059.005 Visual Basic; T1204 User Execution; T1204.002 Malicious File; T1547 Boot or Logon Autostart Execution; T1547.001 Registry Run Keys / Startup Folder; T1574 Hijack Execution Flow; T1574.001 DLL Search Order Hijacking; T1218 System Binary Proxy Execution; T1218.001 Compiled HTML File; T1480 Execution Guardrails; T1518 Software Discovery; T1518.001 Security Software Discovery; T1132 Data Encoding; T1132.001 Standard Encoding; T1071 Application Layer Protocol; T1071.001 Web Protocols; T1573 Encrypted Channel; T1573.001 Symmetric Cryptography; T1041 Exfiltration Over C2 Channel

NAME	ORIGIN	TARGETED INDUSTRIES	TARGETED COUNTRIES
0.00	China	Government, industrial,	U.S. and East Asia
	MOTIVE	technology, media, electronics,	
BlackTech (a.k.a.	Information theft and espionage	telecommunication, military	
Palmerworm, Temp.Overboard, Circuit Panda, and Radio Panda)	TARGETED CVEs	ASSOCIATED ATTACKS/RANSOMW ARE	AFFECTED PRODUCTS
			-

#### **TTPs**

TA0042 Resource Development; TA0001 Initial Access; TA0003 Persistence; TA0004 Privilege Escalation; TA0005 Defense Evasion; TA0007 Discovery; TA0008 Lateral Movement; TA0011 Command and Control; T1588 Obtain Capabilities; T1588.003 Code Signing Certificates; T1199 Trusted Relationship; T1205 Traffic Signaling; T1542.004 ROMMONkit; T1112 Modify Registry; T1562 Impair Defenses; T1562.003 Impair Command History Logging; T1601.001 Patch System Image; T1021.001 Remote Desktop Protocol; T1021.004 SSH; T1071.002 File Transfer Protocols; T1090 Proxy

## Recommendations

#### **Security Teams**

This digest can be utilized as a drive to force security teams to prioritize the **four exploited vulnerabilities** and block the indicators related to the threat actor **Stealth Falcon**, **TAG-74**, **BlackTech** and **RedLine Stealer**, **ZenRAT**, **DangerAds**, **AtlasAgen**, **Bisonal**, **ReVBShell**, **Deadglyph Backdoor**, **Predator** malware.

#### **Uni5 Users**

This is an actionable threat digest for HivePro Uni5 customers and they can get comprehensive insights into their threat exposure and can action it effortlessly over the HivePro Uni5 dashboard by

- Running a Scan to discover the assets impacted by the four exploited vulnerabilities.
- Testing the efficacy of their security controls by simulating the attacks related to the threat actor Stealth Falcon, TAG-74, BlackTech and RedLine Stealer, ZenRAT, DangerAds, AtlasAgent, Bisonal, ReVBShell, Deadglyph Backdoor, Predator in Breach and Attack Simulation(BAS).

## Threat Advisories

Apple Addresses Zero-Day Flaws Exploited in the Wild

New Variant of RedLine Stealer Uses Batch Script to Evade Detection

**Critical Security Vulnerabilities Discovered in Atlassian Products** 

Deadglyph Malware Emerges as a Game Changer for Stealth Falcon

**ZenRAT Targeting Windows Users Through Fake Bitwarden Installs** 

TAG-74's Multi-Year Campaign Targets South Korean Organizations

AtlasCross Exploits Organizations with DangerAds and AtlasAgent Trojans

Google and Firefox fixes Zero-Day Flaw Exploited in the Wild

BlackTech: China-Linked Cyber Actors Exploit Router Firmware

# **Appendix**

**Known Exploited Vulnerabilities (KEV): S**oftware vulnerabilities for which there are public exploits or proof-of-concept (PoC) code available, and for which there is a high risk of potential harm to an organization's systems or data if left unaddressed.

**Celebrity Vulnerabilities:** Software vulnerabilities that have gained significant attention and been branded with catchy names and logos due to their impact on high-profile individuals and celebrities are also referred to as Celebrity Publicized Software Flaws.

### **№ Indicators of Compromise (IOCs)**

Attack Name	ТҮРЕ	VALUE
RedLine Stealer	SHA256	ddb7185f7da4beef972a1188d55c722a924862eb97c2fd42e5bbbd8 d9074055b, d8c681f4bde8e5a20849ec21389d6592229e995fbb0155952b93d7 e792df7cca, de2949c25878b7849a5fe7e6f7820005ab07c370c4754a6284d1116 2573145bf, 8fb369b47a2e6046a68026aea6c6f1198dcc6bfe9418d0f75118d24 d37a68abb, bf803adb5695fce143062e6f51980d46537167b7a9e0e85ad13a999 e35bd0466, 6c5a4a8b7554000d5ab5221c43f25f093ba6a37c6b2511335e002f3 33c5af6c4, 6c5a4a8b7554000d5ab5221c43f25f093ba6a37c6b2511335e002f3 33c5af6c4, bf803adb5695fce143062e6f51980d46537167b7a9e0e85ad13a999 e35bd0466, 9bacf20a00f73124039c4476d600e70293ae60d1d1d28290a63000 b510f313f0, 6cbe9be190f521408438262d0c7f2ccbfab32a6df558cec2a264285f dfffe5c2, 53af2c266c7f18e7c1ab16460d3c09d773fe93ac0a840fa83a30cc10 20d1019a, 4f1c1565afc782e688945c07a486205c59d43a98ae577c5d065bfed 9a47a983d, b5d8caa15cbf53d002edc6194abd0de43e4a139cc04f9703ae7bfc39 7bca66c8,

Attack Name	ТҮРЕ	VALUE
<u>RedLine</u> <u>Stealer</u>	SHA256	9bacf20a00f73124039c4476d600e70293ae60d1d1d28290a63000 b510f313f0, 43328f774db70b98c4cbe83cc3be18de20a29b073b483eec49c64c6 c301e4079, 1b5f1e505e57b9915418f251f9c2343302f0737bdd85126666db56a 27f0142f2, b83e50fa2c5c54e027f3bfe859e2a69e883bbb0080fed20aca176f77 ad120fa1
<u>Deadglyph</u> <u>Backdoor</u>	SHA1	c40f1f46d230a85f702daa38cfa18d60481ea6c2, 740d308565e215eb9b235cc5b720142428f540db, 1805568d8362a379af09fd70d3406c6b654f189f, 9cb373b2643c2b7f93862d2682a0d2150c7aec7e, f47cb40f6c2b303308d9d705f8cad707b9c39fa5, 3d4d9c9f2a5aceff9e45538f5ebe723acaf83e32, 3d2accea98dbdf95f0543b7c1e8a055020e74960, 4e3018e4fd27587bd1c566930ae24442769d16f0
	IPv4	135.125.78[.]187, 185.25.50[.]60
<u>ZenRAT</u>	SHA256	60098db9f251bca8d40bf6b19e3defa1b81ff3bdc13876766988429 a2e922a06, 8378c6faf198f4182c55f85c494052a5288a6d7823de89914986b23 52076bb12, 986aa8e20962b28971b3a5335ef46cf96c102fa828ae7486c2ac213 7a0690b76, ba36d9d6e537a1c1ecdf1ace9f170a3a13c19e77f582a5cae5c928a3 41c1be8d, d7d59f7db946c7e77fed4b927b48ab015e5f3ea8e858d330930e9f7 ac1276536, e0c067fc8e10a662c42926f6cdadfa5c6b8c90d5dff3f0e9f38121018 0d47d37, e318b2c1693bc771dfe9a66ee2cebcc2b426b01547bb0164d09d02 5467cb9ee3, f7573ad27ff407e84d3ebf173cbeaaa6aba62eb74b4b2b934bc0433 df3d9e066
	Domains	bitwariden[.]com, crazygameis[.]com, geogebraa[.]com, obsploject[.]com
	IPv4:Port	185.156.72[.]8:9890, 185.186.72[.]14:9890
<u>Bisonal</u>	SHA256	11cd4b64dcac3195c01ffc937ae1eb77aa2f98d560a75347036d54a 1cf69a5fd, 01e5ebc2c096d465800660a0ad6d62208a5b2b675e3700f3734fac2 25b1d38bd, a88ca28b0948e810d4eb519db7b72a40cfe7907ce4c6a881a19288 0278f3c8b5,

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Attack Name	ТҮРЕ	VALUE
	SHA256	89f250599e09f8631040e73cd9ea5e515d87e3d1d989f484686893b ecec1a9bc, 0ea0b19c562d20c6ac89a1f2db06eedcb147cde2281e79bb0497cef 62094b514
<u>Bisonal</u>	File Name	SearchFilterHost.ex, msfltr32.exe, MySnake.EXE
	Domains	formsgle.freedynamicdns[.]net, satreci.bounceme[.]net, hanseo1.hopto[.]org, sarang.serveminecraft[.]net
<u>ReVBShell</u>	SHA256	aa4ad5341a9258330abd732cbab3721d76764f1ff21a8f960622661 d701a1a71, 8f50f49e77ddcc7ef639a76217b2eb25c48f9ce21ae8341050d0da49 b89b7b34, ae0f641dc9d33ee50990971104ef1c598e216693700be6b74bb1e9 ef373af97c, 465c7c6a0f23ba5f928fc0d0cdc4d9f6ec89e03dcedafc3d72b3b3c01 a54a00c, 6a59421fd225d90439b6a933458718cf43dbe518c63979e8980bc0 70c070558a, df7d584d56af6fcf3cca31ed0d3a4d34abd2c1019b8d223a230f8a78 075a7d9a, 078a8026f32b8d05258285dc527408388c651f6c3eaebc45f8bb3f4 b42248631
	MD5	f8bafe2ce6f11a32109abbab1c42e2cf
<u>DangerAds</u>	SHA256	9c2f990f2d23f380f1cf8f83e9e23749f7ef097bda5b530c7d43fbf5fe b3ba99
	MD5	ca48431273dfcd2bd025e55f2de30635, ba85467ceff628be8b4f0e2da2a5990c
<u>AtlasAgent</u>	Domains	activequest[.]goautodial[.]com,     ops-ca[.]mioying[.]com,     app[.]basekwt[.]com,     secure[.]poliigon[.]com,     engage[.]adaptqe[.]com,     chat[.]thedresscodeapp[.]com,     superapi-staging[.]mlmprotec[.]com,     search[.]allaccountingcareers[.]com,     order[.]staging[.]photobookworldwide[.]com,     crm[.]cardabel[.]com,     public[.]pusulait[.]com

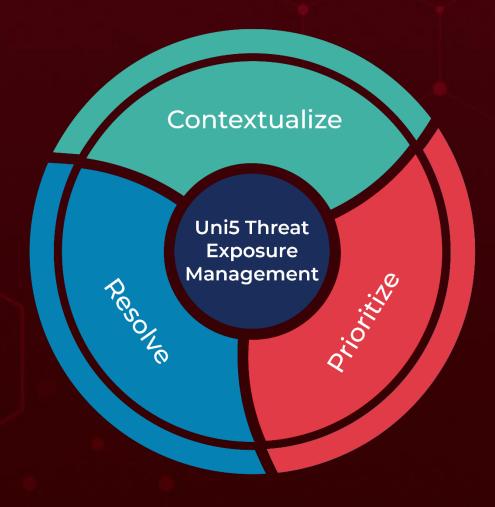
Attack Name	TYPE	VALUE
<u>Predator</u>	SHA256	df9c1ed19c6bd78d9813bb2b9b084b16781f9dd64b5236f77622f632d98b 9a9f, 93488594d1b33bd64a0c5568a54e8f23f4aef6b6ae1b498c10b114a18c18 a4ec, edbcfe1171767f6e2a18266e14039c5fecfd0922fd5eca64971a901ea2d9d 8aa, 09780015b2aeb7e82bdd67973f45d5eea247ff19057ed8be1c61d8c43498 3977, 896e102087175cb5b690b21e3395b77d0db05e7ded7c6dd62a50494630b 420fe

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### What Next?

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