

HiveForce Labs

# THREAT ADVISORY



ACTOR REPORT

## BREEZE COMET Turns Brazil's Instant Payment Rails into a Cash-Out Channel

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A1

TA Number

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# Summary

**First Seen:** September 2023

**Targeted Regions:** Brazil, Argentina, Bolivia, Chile, Colombia, Ecuador, French Guiana, Guyana, Peru, Suriname, Uruguay, United States, Mexico, Canada, Guatemala, Haiti, Cuba, Dominican Republic, Honduras, El Salvador, Nicaragua, Costa Rica, Panama, Jamaica, Puerto Rico, Trinidad and Tobago, Belize, Guadeloupe, Bahamas, Martinique, Barbados, Saint Lucia, Grenada, United States Virgin Islands, Antigua and Barbuda, Dominica, Bermuda, Greenland, Saint Kitts and Nevis, Saint Maarten, Anguilla, Nigeria, Paraguay, Venezuela, Ethiopia, Egypt, DR Congo, Tanzania, South Africa, Kenya, Sudan, Uganda, Algeria, Angola, Morocco, Mozambique, Ghana, Madagascar, Cameroon, Niger, Mali, Burkina Faso, Malawi, Zambia, Chad, Senegal, Zimbabwe, Guinea, Benin, Rwanda, Burundi, Tunisia, Togo, Sierra Leone, Libya, Liberia, Central African Republic, Mauritania, Namibia, Gabon, Botswana, Lesotho, Guinea-Bissau, Equatorial Guinea, Mauritius, Djibouti, Comoros, Seychelles.

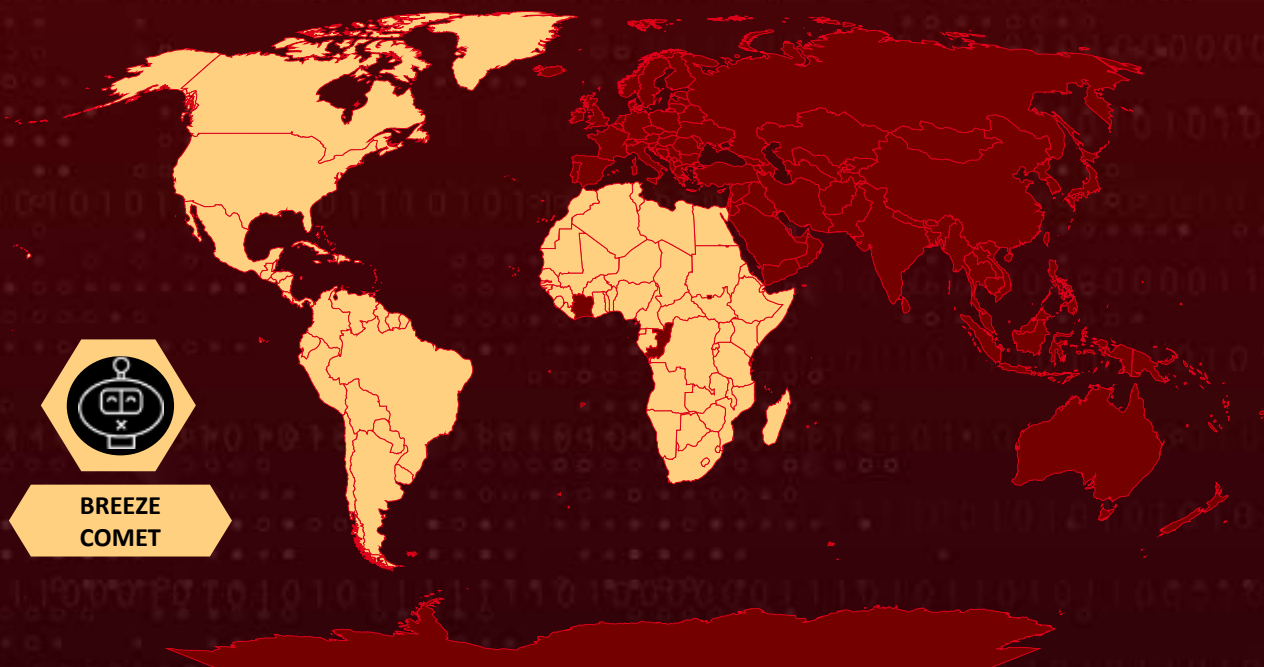
**Targeted Platforms:** Windows, Linux, Active Directory, Cloud environments, Kubernetes, CI/CD pipelines, Java Virtual Machine (JVM) process space.

**Targeted Industries:** Financial Services, Fintech, Banking Software Providers, Payment Processors, Banks, Retail, Point-Of-Sale, E-Commerce, Exchanges, Government

**Threat Actor:** BREEZE COMET (aka UNC5669, PLUMP SPIDER, SHADOW-AETHER-064, CL-CRI-1163)

**Malware:** COBALTSPIN, REALBREEZE, MILDFOIST, BOATBEAM, LIGHTPAINT, KICKPLATE, XWORM

## Actor Map



 Targeted

 Non-Targeted

© Australian Bureau of Statistics, GeoNames, Microsoft, Navinfo, Open Places, OpenStreetMap, Overture Maps Foundation, TomTom, Zenrin

# Actor Details

## #1

BREEZE COMET is a financially motivated eCrime group operating out of Brazil, formerly tracked as UNC5669 and also reported as PLUMP SPIDER, SHADOW-AETHER-064, and CL-CRI-1163. It targets Brazilian financial services, fintech, retail, and eCommerce organizations, monetizing intrusions by reaching internal payment systems and executing fraudulent transfers. Doing so requires access to the National Financial System Network (RSFN), mTLS credentials that can send authenticated transactional orders to Pix, STR, or another transactional listener, persistent access across the target's Active Directory and cloud estate, and a working understanding of the organization's transfer approval and anti-fraud controls.

## #2

Activity dates back to at least September 2023; early tradecraft was simple: password spraying and voice calls impersonating IT support to get users to install RMM tools such as AnyDesk, which then served as the group's access mechanism. In 2025, both the entry points and the toolkit changed. Operators connected rogue hardware directly into retail store networks, exploited JBoss AS servers to plant web shells, and from mid-2025 staged payloads on compromised small Brazilian government websites, using trusted domains to carry delivery and C2 past reputation filters.

## #3

Persistence moved from commercial RMM to malicious Kubernetes pods that stole cloud secrets and exfiltrated them to public notepad sites, then to a redundant multi-language backdoor set: LIGHTPAINT (Java, installs SoftEther VPN), MILD FROST (Java JAR, DNS tunneling fallback C2), KICKPLATE (Nim, impersonates Windows Update Health Tools), and BOATBEAM (Go, fake IIS HTTPS server on port 443). Backdoors such as XWORM persist via automated startup shortcut modifications. PowerShell disables Defender real-time monitoring to keep them running.

## #4

A mature intrusion follows a consistent sequence. Reconnaissance uses Impacket, ADRecon, and ADVipscan executed in memory via PowerShell. REALBREEZE brute-forces LDAP while custom scripts mine CI/CD pipelines and host files for credentials, API keys, and the mTLS certificates needed to authenticate against core banking systems. Lateral movement runs through hijacked service accounts over RDP and SMB, after which COBALTSPIN, a Rust tunneler opening a reverse SOCKS5 proxy over WebSocket, crosses segmented financial networks. With that access, the group executes hundreds of fraudulent transactions within 24 to 48 hours, moving Brazilian Real equivalent to tens of thousands of US dollars in one observed case, then clears event logs and deletes the directories it created.

| NAME                                                                                           | ORIGIN         | TARGET REGIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TARGET INDUSTRIES                                                                                                                           |
|------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| BREEZE<br>COMET (aka<br>UNC5669,<br>PLUMP<br>SPIDER,<br>SHADOW-<br>AETHER-064,<br>CL-CRI-1163) | Brazil         | Brazil, Argentina, Bolivia, Chile, Colombia, Ecuador, French Guiana, Guyana, Peru, Suriname, Uruguay, United States, Mexico, Canada, Guatemala, Haiti, Cuba, Dominican Republic, Honduras, El Salvador, Nicaragua, Costa Rica, Panama, Jamaica, Puerto Rico, Trinidad and Tobago, Belize, Guadeloupe, Bahamas, Martinique, Barbados, Saint Lucia, Grenada, United States Virgin Islands, Antigua and Barbuda, Dominica, Bermuda, Greenland, Saint Kitts and Nevis, Saint Maarten, Anguilla, Nigeria, Paraguay, Venezuela, Ethiopia, Egypt, DR Congo, Tanzania, South Africa, Kenya, Sudan, Uganda, Algeria, Angola, Morocco, Mozambique, Ghana, Madagascar, Cameroon, Niger, Mali, Burkina Faso, Malawi, Zambia, Chad, Senegal, Zimbabwe, Guinea, Benin, Rwanda, Burundi, Tunisia, Togo, Sierra Leone, Libya, Liberia, Central African Republic, Mauritania, Namibia, Gabon, Botswana, Lesotho, Guinea-Bissau, Equatorial Guinea, Mauritius, Djibouti, Comoros, Seychelles | Financial Services, Fintech, Banking Software Providers, Payment Processors, Banks, Retail, Point-Of-Sale, Ecommerce, Exchanges, Government |
|                                                                                                | MOTIVE         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                             |
|                                                                                                | Financial Gain |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                             |

# Recommendations



**Enforce Application Control in User-Writable Paths:** Apply Windows WDAC, macOS Gatekeeper or MDM, and Linux fapolicyd to block execution from user-writable directories including %APPDATA%, ~/Downloads, /tmp, and /var/tmp. Mount /tmp and /home with the noexec flag on Linux hosts.



**Harden Physical Network Access at Branches and Retail Sites:** Deploy 802.1X Network Access Control across physical Ethernet switch ports at branch and retail locations so unauthorized hardware cannot obtain an IP address or reach internal subnets. Disable unused switch ports, enforce port security through MAC limiting on critical drops, and physically restrict networking closets and public-facing jacks.



**Restrict and Log PowerShell Execution:** Enforce PowerShell Constrained Language Mode, enable Script Block Logging via Event ID 4104, and keep the Antimalware Scan Interface enabled to catch in-memory execution of reconnaissance scripts pulled from GitHub.



**Inspect Outbound Traffic Instead of Trusting Reputation:** Perform SSL/TLS decryption and deep packet inspection on outbound web traffic rather than relying on domain reputation scoring or .gov top-level domain allowlists. This group's core evasion advantage was staging payloads on legitimate compromised government sites.



**Monitor DNS for Tunneling and Delegated Subdomain Abuse:** Baseline outbound DNS volume and query patterns per host and alert on slow, high-entropy, or delegated-subdomain query chains. MILD FROST uses DNS as a covert fallback channel that survives HTTP-layer blocking.



**Centralize Secrets and Eliminate Hard-Coded Credentials:** Mandate a centralized secrets manager such as HashiCorp Vault with full access logging, and remove plaintext keys from code and CI/CD pipeline configuration. This group specifically mines CI/CD environments for pipeline credentials, API keys, and cloud access tokens.



# Potential MITRE ATT&CK TTPs

| Tactic               | Technique                                        | Sub-technique                              |
|----------------------|--------------------------------------------------|--------------------------------------------|
| Resource Development | <u>T1584</u> : Compromise Infrastructure         | <u>T1584.004</u> : Server                  |
|                      | <u>T1608</u> : Stage Capabilities                | <u>T1608.001</u> : Upload Malware          |
|                      | <u>T1588</u> : Obtain Capabilities               | <u>T1588.001</u> : Malware                 |
|                      |                                                  | <u>T1588.002</u> : Tool                    |
|                      |                                                  | <u>T1588.007</u> : Artificial Intelligence |
| Initial Access       | <u>T1566</u> : Phishing                          | <u>T1566.004</u> : Spearphishing Voice     |
|                      | <u>T1190</u> : Exploit Public-Facing Application |                                            |
|                      | <u>T1200</u> : Hardware Additions                |                                            |
|                      | <u>T1219</u> : Remote Access Tools               | <u>T1219.002</u> : Remote Desktop Software |
| Execution            | <u>T1059</u> : Command and Scripting Interpreter | <u>T1059.001</u> : PowerShell              |
|                      |                                                  | <u>T1059.004</u> : Unix Shell              |

| Tactic               | Technique                                                 | Sub-technique                                                  |
|----------------------|-----------------------------------------------------------|----------------------------------------------------------------|
| Execution            | <a href="#">T1204</a> : User Execution                    | <a href="#">T1204.002</a> : Malicious File                     |
|                      | <a href="#">T1610</a> : Deploy Container                  |                                                                |
| Persistence          | <a href="#">T1505</a> : Server Software Component         | <a href="#">T1505.003</a> : Web Shell                          |
|                      | <a href="#">T1547</a> : Boot or Logon Autostart Execution | <a href="#">T1547.001</a> : Registry Run Keys / Startup Folder |
|                      | <a href="#">T1543</a> : Create or Modify System Process   | <a href="#">T1543.003</a> : Windows Service                    |
|                      | <a href="#">T1053</a> : Scheduled Task/Job                | <a href="#">T1053.005</a> : Scheduled Task                     |
| Privilege Escalation | <a href="#">T1078</a> : Valid Accounts                    | <a href="#">T1078.002</a> : Domain Accounts                    |
| Credential Access    | <a href="#">T1110</a> : Brute Force                       | <a href="#">T1110.003</a> : Password Spraying                  |
|                      | <a href="#">T1552</a> : Unsecured Credentials             | <a href="#">T1552.001</a> : Credentials In Files               |
|                      |                                                           | <a href="#">T1552.007</a> : Container API                      |
|                      | <a href="#">T1528</a> : Steal Application Access Token    |                                                                |
| Discovery            | <a href="#">T1087</a> : Account Discovery                 | <a href="#">T1087.002</a> : Domain Account                     |

| Tactic              | Technique                                   | Sub-technique                                        |
|---------------------|---------------------------------------------|------------------------------------------------------|
| Discovery           | <u>T1046</u> : Network Service Discovery    |                                                      |
|                     | <u>T1083</u> : File and Directory Discovery |                                                      |
| Defense Evasion     | <u>T1562</u> : Impair Defenses              | <u>T1562.001</u> : Disable or Modify Tools           |
|                     |                                             | <u>T1562.004</u> : Disable or Modify System Firewall |
|                     | <u>T1036</u> : Masquerading                 | <u>T1036.005</u> : Match Legitimate Name or Location |
|                     | <u>T1070</u> : Indicator Removal            | <u>T1070.001</u> : Clear Windows Event Logs          |
|                     |                                             | <u>T1070.004</u> : File Deletion                     |
|                     | <u>T1620</u> : Reflective Code Loading      |                                                      |
| Lateral Movement    | <u>T1021</u> : Remote Services              | <u>T1021.001</u> : Remote Desktop Protocol           |
|                     |                                             | <u>T1021.002</u> : SMB/Windows Admin Shares          |
| Collection          | <u>T1119</u> : Automated Collection         |                                                      |
| Command and Control | <u>T1572</u> : Protocol Tunneling           |                                                      |

| Tactic              | Technique                                    | Sub-technique                     |
|---------------------|----------------------------------------------|-----------------------------------|
| Command and Control | <u>T1090</u> : Proxy                         | <u>T1090.001</u> : Internal Proxy |
|                     | <u>T1071</u> : Application Layer Protocol    | <u>T1071.001</u> : Web Protocols  |
|                     |                                              | <u>T1071.004</u> : DNS            |
|                     | <u>T1568</u> : Dynamic Resolution            |                                   |
|                     | <u>T1105</u> : Ingress Tool Transfer         |                                   |
| Exfiltration        | <u>T1567</u> : Exfiltration Over Web Service |                                   |
| Impact              | <u>T1657</u> : Financial Theft               |                                   |

# ✂ Indicators of Compromise (IOCs)

| TYPE   | VALUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHA256 | 3b22605244dbace8f0c07c2c599f88c4b831bb07e9998b869a5da2759d27ceec,<br>2214907e696bad85bde1d90c943ef66e413d7a5c6d7596ced25b74441200439a,<br>c0db6ddd6222d02ad7490399d33c61ded0076f0037409dc8498924458646d78a,<br>6d4012e0dd3b56a3e52857734fa0d582cdf3c56f0e5decc8005c882d1d1c6ceb,<br>f139b4ca15feffb7a6633ec1a431c5c604b397576b56b5c863ae8fe4fa14db4f,<br>51fdd83b3737add7f3832bd0ad0b56863c0a8f7cf9bcc16fd787d1ae4b403ce6,<br>d2aa40cc53b40c6e76ac0677c4a54387b3f27ee94c85d9b2c3a3d66aef92a66,<br>447e3a131e62bd33b1297739a7b959a92358a97f58554469044636a3c4f244e8 |

| TYPE      | VALUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| URLs      | hxxps[:]//procon[.]go[.]gov[.]br/ComprovantePDF[.]exe,<br>hxxps[:]//cmgovernadorluizrocha[.]ma[.]gov[.]br/Comprovantepdf[.]exe,<br>hxxp[:]//gcm[.]setelagoas[.]mg[.]gov[.]br/files/ti[.]zip,<br>hxxp[:]//gcm[.]setelagoas[.]mg[.]gov[.]br/files/notepadd[.]exe,<br>hxxp[:]//gcm[.]setelagoas[.]mg[.]gov[.]br/files/tes[.]exe,<br>hxxps[:]//minacu[.]go[.]gov[.]br/ComprovantePDF[.]exe,<br>hxxps[:]//conseg[.]ssp[.]go[.]gov[.]br/COAF-POLICIAFEDERAL[.]exe,<br>hxxps[:]//conseg[.]ssp[.]go[.]gov[.]br/ComprovanteBBpix[.]exe,<br>hxxps[:]//suporte[.]camaratunapolis[.]sc[.]gov[.]br/ti/attvpn[.]zip,<br>hxxps[:]//suporte[.]camaratunapolis[.]sc[.]gov[.]br/ti/1[.]exe,<br>hxxps[:]//tisup[.]camaratunapolis[.]sc[.]gov[.]br/SoftEther[.]exe,<br>hxxp[:]//suporte[.]ourinhos[.]sp[.]gov[.]br/files/s[.]zip,<br>hxxp[:]//suporte[.]ourinhos[.]sp[.]gov[.]br[:]/443/files/s[.]exe,<br>hxxp[:]//suporte[.]ourinhos[.]sp[.]gov[.]br/files/a[.]exe,<br>hxxps[:]//servicos[.]salto[.]sp[.]gov[.]br/j[.]jar,<br>hxxps[:]//www[.]mrtb[.]gov[.]ng/apps/attvpn[.]vip,<br>hxxp[:]//credeb[.]gov[.]gn/r[.]zip,<br>hxxps[:]//sit[.]baer[.]gob[.]ve/r[.]exe,<br>hxxps[:]//jmcov[.]gov[.]py/cxv[.]exe |
| Filenames | ComprovantePDF.exe,<br>Comprovantepdf.exe,<br>COAF-POLICIAFEDERAL.exe,<br>ComprovanteBBpix.exe,<br>SoftEther.exe,<br>notepadd.exe,<br>tes.exe,<br>ti.zip,<br>attvpn.zip,<br>attvpn.vip,<br>1.exe,<br>s.zip,<br>s.exe,<br>a.exe,<br>j.jar,<br>r.zip,<br>r.exe,<br>cxv.exe,<br>DnsCommandBeacon.class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## References

<https://cloud.google.com/blog/topics/threat-intelligence/financially-motivated-threat-actor-breeze-comet-targets-brazil/>

<https://www.crowdstrike.com/en-us/adversaries/plump-spider/>

# What Next?

At Hive Pro, it is our mission to detect the most likely threats to your organization and to help you prevent them from happening.

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