Hive Pro

Threat Level

Red

HiveForce Labs

THREAT ADVISORY

ATTACK REPORT

Revamped Prometei Botnet Version Infects Over 10,000 Systems

Date of Publication

March 15, 2023

Admiralty Code

A1

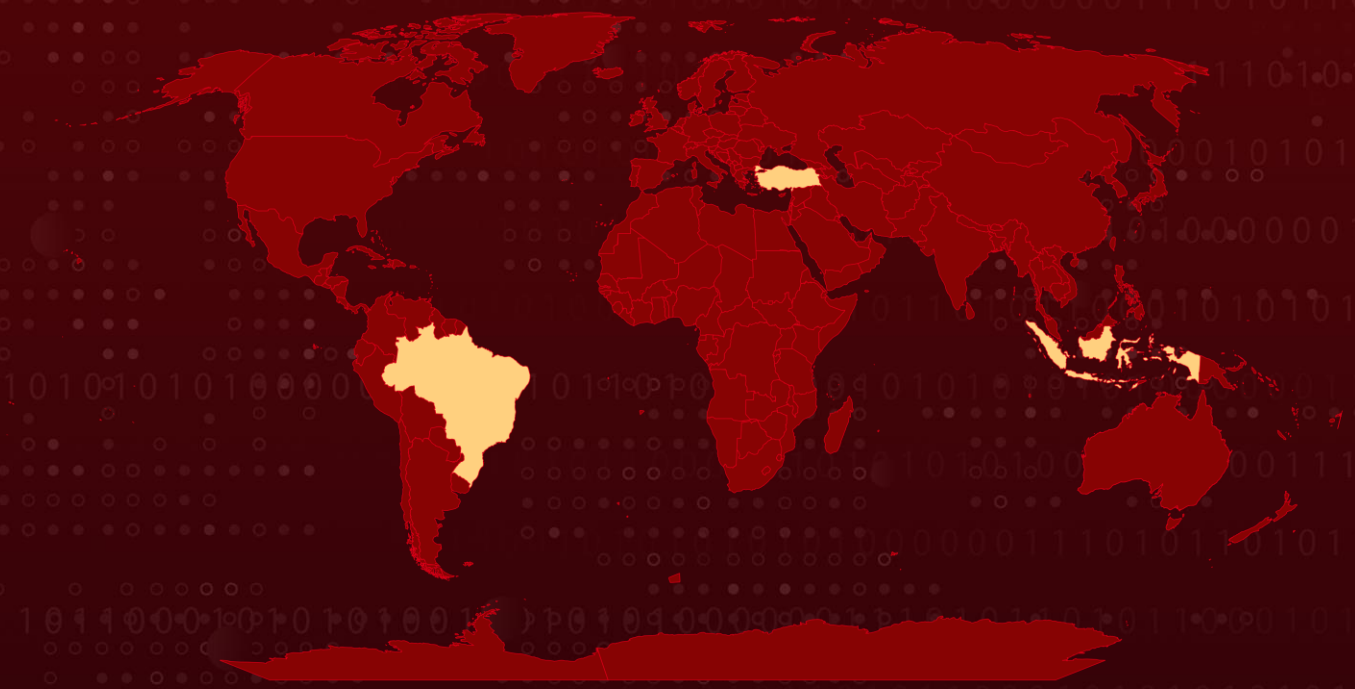
TA Number

TA2023137

Summary

Attack began: 2016
Malware: Prometei botnet
Attack Region: Brazil, Indonesia, and Turkey.
Attack Sector: Cryptocurrency
Attack: The Prometei v3 botnet, an upgraded version of the Prometei botnet malware, has compromised over 10,000 systems mining the Monero cryptocurrency.

Attack Regions



Attack Details

#1

Since November 2022, more than 10,000 systems have been infected by the Prometei v3 botnet, an improved version of botnet malware. The Prometei botnet, a highly modular botnet with worm-like capabilities that predominantly installs the Monero cryptocurrency miner, has been regularly upgraded and updated since its discovery in 2016, providing a chronic threat to corporates.

#2

After successfully establishing a foothold, a PowerShell operation is launched to download Prometei botnet malware from a remote server. The core module of the Prometei botnet is then utilized to extract the real crypto-mining payload and other system auxiliary components. To develop its command-and-control (C2) infrastructure, Prometei v3 employs a domain generation algorithm (DGA). It also has a self-update mechanism and a broader set of commands for harvesting sensitive data and controlling the host.

Recommendations

Security Leaders

Phishing simulations and routine education and awareness training and communications rarely account for MFA fatigue and web browser hygiene. Integrate and communicate all lessons learned.

Security Engineers

- **Uni5 Users:** This is an actionable threat advisory in HivePro Uni5. Prioritize and block all indicators attributed to the threat actors and attacks through your Command Center. Test your controls with Uni5's Breach & Attack Simulation.
- **All Engineers:** Refer to and action upon the 'Potential MITRE ATT&CK TTPs' & 'Indicators of Compromise (IoC)' on the following pages.

Potential MITRE ATT&CK TTPs

TA0042 Resource Development	TA0002 Execution	TA0003 Persistence	TA0005 Defense Evasion
TA0008 Lateral Movement	TA0011 Command and Control	T1584 Compromise Infrastructure	T1584.005 Botnet
T1059 Command and Scripting Interpreter	T1059.001 PowerShell	T1569 System Services	T1569.002 Service Execution
T1505 Server Software Component	T1505.003 Web Shell	T1027 Obfuscated Files or Information	T1036 Masquerading
T1070 Indicator Removal	T1070.004 File Deletion	T1140 Deobfuscate/Decode Files or Information	T1562 Impair Defenses
T1210 Exploitation of Remote Services	T1090 Proxy	T1090.003 Multi-hop Proxy	T1105 Ingress Tool Transfer

Indicators of Compromise (IOCs)

TYPE	VALUE
IPV4	23.148.145[.]237 69.84.240[.]57 103.40.123[.]34 103.184.128[.]180 103.184.128[.]244 194.195.213[.]62 211.232.48[.]65 103.65.236[.]53 177.73.237[.]55 221.120.144[.]101

TYPE	VALUE
Domains	xinchaodbcdbh[.]org xinchaodbcdbh[.]com xinchaoabcdcf[.]org xinchaocecclk[.]org xinchaocecclk[.]net p1.feefreepool[.]net p2.feefreepool[.]net p3.feefreepool[.]net gb7ni5rgeexdcncj[.]onion
URLs	http[:]//23.148.145.237:180/update[.]7z http[:]//69.84.240.57:180/AppServ180[.]zip http[:]//103.40.123.34/k[.]php http[:]//103.40.123.34/7z32[.]dll http[:]//103.40.123.34/7z32[.]exe http[:]//103.40.123.34/std2[.]7z http[:]//103.40.123.34/dwn.php?d=rdpclip[.]exe http[:]//103.40.123.34/dwn.php?d=7z32[.]exe http[:]//103.40.123.34/dwn.php?d=7z32[.]dll http[:]//103.126.6.233:180/AppServ180[.]zip http[:]//103.40.123.34/srch[.]7z http[:]//103.40.123.34/desktop[.]txt http[:]//103.40.123.34/bklocal2[.]php http[:]//103.40.123.34/bklocal4[.]php http[:]//103.40.123.34/update[.]7z http[:]//194.195.213.62:180/srch[.]7z http[:]//103.184.128.244/update[.]7z http[:]//211.232.48.65:180/update[.]7z http[:]//p2.feefreepool.net/cgi-bin/prometei[.]cgi http[:]//mkhkjxgchtfgu7uhofxzgoawntfzrkdccymveektqgpxrpjb72oq.zero/cgi-bin/prometei[.]cgi https[:]//gb7ni5rgeexdcncj.onion/cgi-bin/prometei[.]cgi http[:]//mkhkjxgchtfgu7uhofxzgoawntfzrkdccymveektqgpxrpjb72oq.b32.i2p/cgi-bin/prometei[.]cgi
SHA256	2e4e64035382eae04c035e2edb6f7080c221064859d95cdc4f458258af0289ae,bfe10104a2709d8dfeea3ddc373e3367a2ba2782ee8a0ee4d0f819869ccb0d4f,c1f8625ad3b13de77372cb4608210792d3f4b1b0909ae3593558d9d8f4306c99,34efa1b8c185d5ba7290909c4446b1414684b09a9871d5c462c4fc609fbd87d2,25dc9c2a2d31c42c63de0ed247784e33ea31f140d8035ac2141cb46f25eaefd4,ea8cde21792543d7e55dd9a2a894c3cd4fc4fabaeab20ba689b84416c20a6e37,85a2d8f020b14cd11e95fd52328048ebe3e86f3f6a7cb76028143b7009a9b294,44458197aafcb273b91f90a8cc55078b318e4f8a0384303acd1a5b3c13ff1ee0,f4ac4f735b9ff260a275734d86610dccb8558d1a54c6d6a78a94c33b6aaf6e39,01bee3bb01f34f8da926c6b83980958166f1b10d00a923deb87361e9f34bcd83,82c19c95f70c2a67be8a4914ed6c6b79b84aef3c1d65fefe85f90d89538bbe23

TYPE	VALUE
SHA256	6477b1ea0cc53d0c508295dcc53a0d465acc3fa712a56d846ca3bf0e296c83a5,9788c1614110fa6e1ab957e4563331a8f8bddd926a0c3f8c7b891afa2203cf68,f11adbdad7200b90237dd9bbd5dbbf0b5ad30dd5a931fbef22cb0790e1851d82,2d3b705d61448b84b89f7cead3c9b7cb9707a8ffcefa38fa81fdda16058a6dd6,dbd60814376047e2be10682110c1a1b3236f937ba522de66566197d939d2e48e,0ca3a4c2800f9454cdcbb8398a7ec97b00f90f4234c7c5e48e206a8352d86750,ab9314c85b81caa832a49db8d0a86b6b871f749d7d6afcf4042d311cb63bd898,608b2c8220a595a9766e2fdc5c91899dda635f97bc505e1a41e523aaddb11652,6f39d02f27e3241224bb16e4753091b9d4ae2b4d0108a3fde2e3ebad0e1627bf,4482fe91047b1e5c9c6f113893cfaae1b5815d743234807e68809b1235bef00b,c63074ace67db45003b4bbf7e99a57540956a98cd182c860cf80f3b7fa083565,60585ca50fd149468d48f219988a3fd895add7a9c618e60e466b49f8695f48d5,a34a47ca8095389e29716418a0e7e98fda0ab9b8547ff7a8604a0e54df07b1fe,35f9417c7be811df5b366963dc3986e6fb2e486afa0a0f64a092492b617c09e9,61effa41e84446f6d712abb4707df964b9c82320602772962693caedc45f23b7,beca799029efa98646c861accc607cba8ef8ab52749a906524e8dd7981b38df2,24654558cc1672532958387c6c0a91064ec58a381bfbbc10ef29447650dfe34f,5319ee3372c439fb9d85a8174eea814a6c581d81a4af0fe7a9f686d403753c4d,334e828a09bd64abb9a4f70256f4d2f8ffdf3249153f1e2356e861d188d8ba89,c512cad695fc027f3d3df46159a1f1b43d7641c37d6ade44870c052e36496bae,3e8c0271c55975663ee03e25a047b1a27ef1905327dea3d1f897c5a27b31d8e6,cf5f1f2d7672d441f592d177e3f4a1a1f87e2abcef21e626d69f552cd0a2864d,39b1042a5b02f3925141733c0f78b64f9fae71a37041c6acc9a9a4e70723a0f1,314d2f1cb70c025ab0ba9de8c13914bda674b8f0a23e54454374d14d57fd2786,a546c3defb20bb18205b19c5218795fa9c6388d2e2ec3e65707b4e7afaeac0e1,af000bc9f397975604ec0ffd36ff414005ea49ca97ec176eadd14072ceccac00,54bf36b5bdb844f46fd9849ac311e2efb62e16030c62597630cf38b4e3f8e8fa,d8f0712345356b5e68467eec43738fb44cca9df03c4a9b76873f48b5eab01b8c,d3c1dc40e7fdd55a037b73f708cdc6761762ebf5161e1fe86cdfc48ac51389dc,d1dfa4ab27798cfc9203c644358fe83e20ebf194a28502e1c8f43ad7a181e023,655c294a4f4d3d01a9ba3a9563e136109dae7af0772cb3620e42357b59af476d,a6fb2a8604ab7c6c9d349d04741800926dc81dbd6f56c43382b54bc7f8cc7ca4,ca4577de74c66b89aa47bc91dadc8ece1564816b0b4528cbce7f3ab152396e3c

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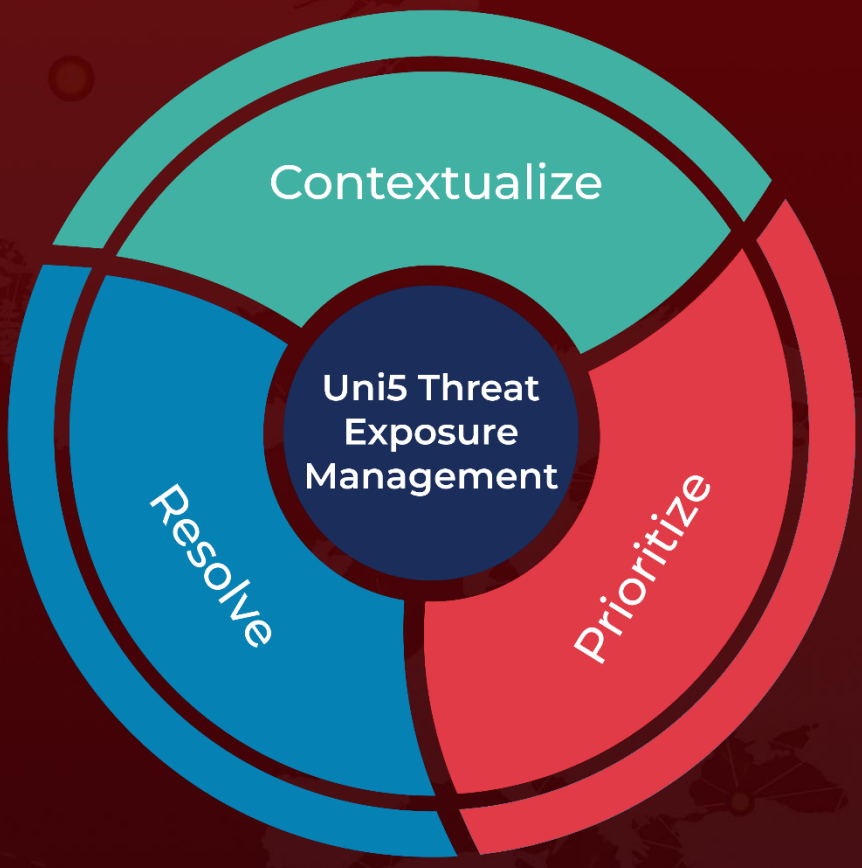
What Next?

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

Book a free demo with **HivePro Uni5**: Threat Exposure Management Platform.



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