

BRAZIL

Threat Landscape Report 2024



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Executive Summary

As Latin America's largest economy and one of the most influential global players, Brazil occupies a central role in regional economic and geopolitical dynamics. Its diverse economy, which spans agriculture, mining, technology, and finance, rapidly embraces digital transformation. However, this growth comes with heightened vulnerability to an expanding array of cyber threats.

Amidst intensifying geopolitical challenges and a fast-evolving cyber landscape, Brazil has increasingly become a target for criminal and state-backed cyber actors. Threat actors frequently seek to exploit weaknesses in Brazil's expanding digital infrastructure, with particular emphasis on sectors such as finance, energy, and government, where the potential for disruption and financial gain is substantial.

Our findings point to a surge in ransomware attacks, data breaches, and sophisticated phishing operations aimed at Brazilian organizations. Notably, there has been a rise in activity linked to Advanced Persistent Threat (APT) groups, often tied to nation-states, targeting Brazil's critical infrastructure to extract sensitive information or disrupt essential services.

The growing prominence of the Dark Web has also given cybercriminals a platform to exchange tools, trade in stolen data, and coordinate attacks with greater anonymity. This has contributed to the increasing complexity of the threat environment, especially as ransomware-as-a-service (RaaS) offerings enable even inexperienced attackers to inflict significant damage on Brazilian enterprises.

This report delivers an in-depth analysis of Brazil's cyber threat landscape, drawing on open-source intelligence and proprietary research to assess the most pressing risks. It is intended to guide decision-makers in both the public and private sectors, helping them to refine their defensive strategies, reduce exposure to cyber risks, and bolster the country's resilience against increasingly sophisticated cyber threats.

To access SOCRadar's 2023 Brazil report, [click here](#).

Top Takeaways



Dark Web Dynamics: In 2024, a diverse group of 91 threat actors actively targeted Brazilian enterprises, posting 629 times on the Dark Web. These activities predominantly revolved around the sale of databases, emphasizing the critical need for robust data security measures.



Dark Eyes on Public Administration: The public administration sector accounted for 10.65% of the Dark Web activities, making it the industry most targeted by global threat actors. This underscores the sector's strategic significance and its susceptibility to digital threats.



Ransomware Resurgence: Brazil faced 248 distinct ransomware incidents throughout the year, with 166 attacks targeting the country. This demonstrates a concentrated effort by cybercriminals to exploit Brazilian entities.



Notorious Ransomware Syndicates: High-profile ransomware groups like LockBit 3.0, Conti, and ALPHV BlackCat aggressively targeted Brazil, reflecting the heightened sophistication and severity of the country's cyber threat landscape.



Stealer Logs: The widespread use of Stealer Logs in 2024 resulted in substantial data breaches, compromising sensitive information for thousands of individuals across Brazil.



Phishing in the Digital Economy: 1,449 phishing attacks were recorded during the year, primarily impacting the emerging Information Services industry. This underscores the increasing cyber risks facing this rapidly growing sector in Brazil.



Unprecedented DDoS Attacks: Brazil endured a record-breaking Distributed Denial of Service (DDoS) attack involving 23 different vectors, reaching a peak bandwidth of 4 Tbps. This occurred within a broader context of 372,825 DDoS incidents, illustrating the intensity and escalation of cyber assaults targeting the country.

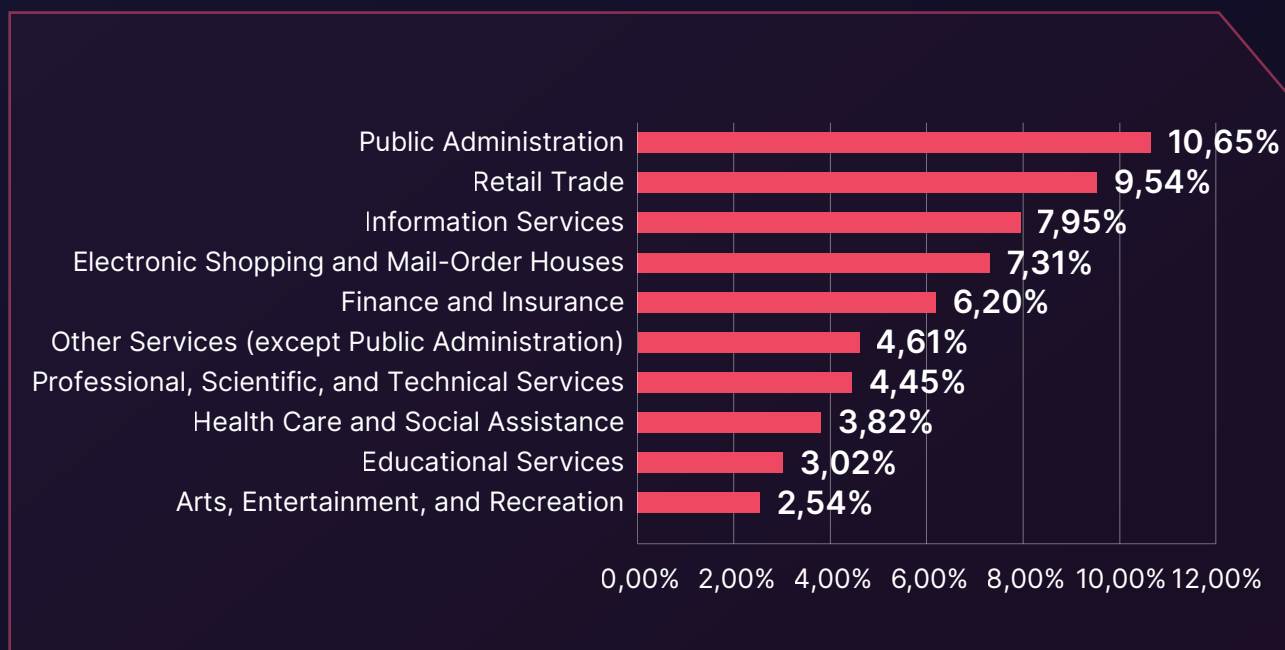
Technical Details

Dark Web Threats Targeting Brazilian Entities

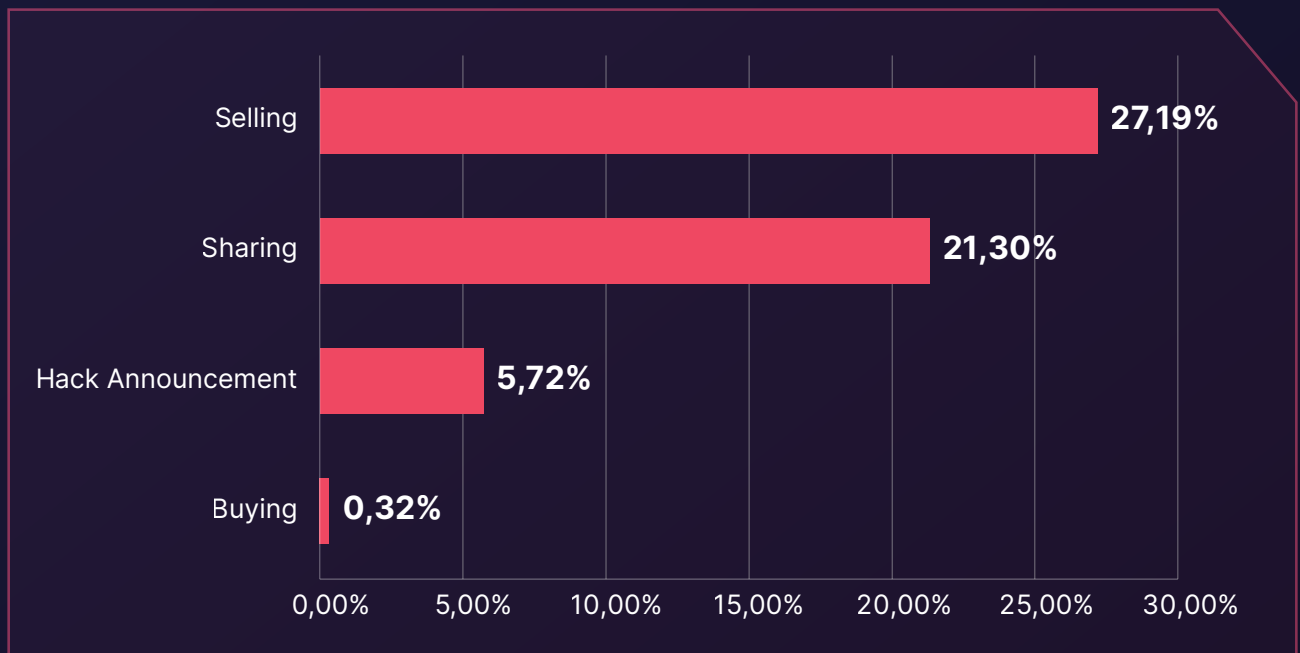
Over the preceding year, SOCRadar's Dark Web Analysts diligently monitored activities within the Dark Web, identifying notable trends and establishing connections between Brazilian enterprises and covert threat actors. Throughout 2024, Brazilian entities encountered a continuous barrage of cyber threats, with various actors attempting to exploit successful intrusions by trading or leveraging their gains in Dark Web forums.

SOCRadar observed 629 Dark Web forum posts linked to 91 distinct threat actors during this period. Public Administration emerged as the most prominently affected industry among the targeted industries, representing 10.65% of the identified cyber threats during this period. Following closely behind, the Retail Trade and Information Services industries accounted for 9.45% and 7.95% respectively.

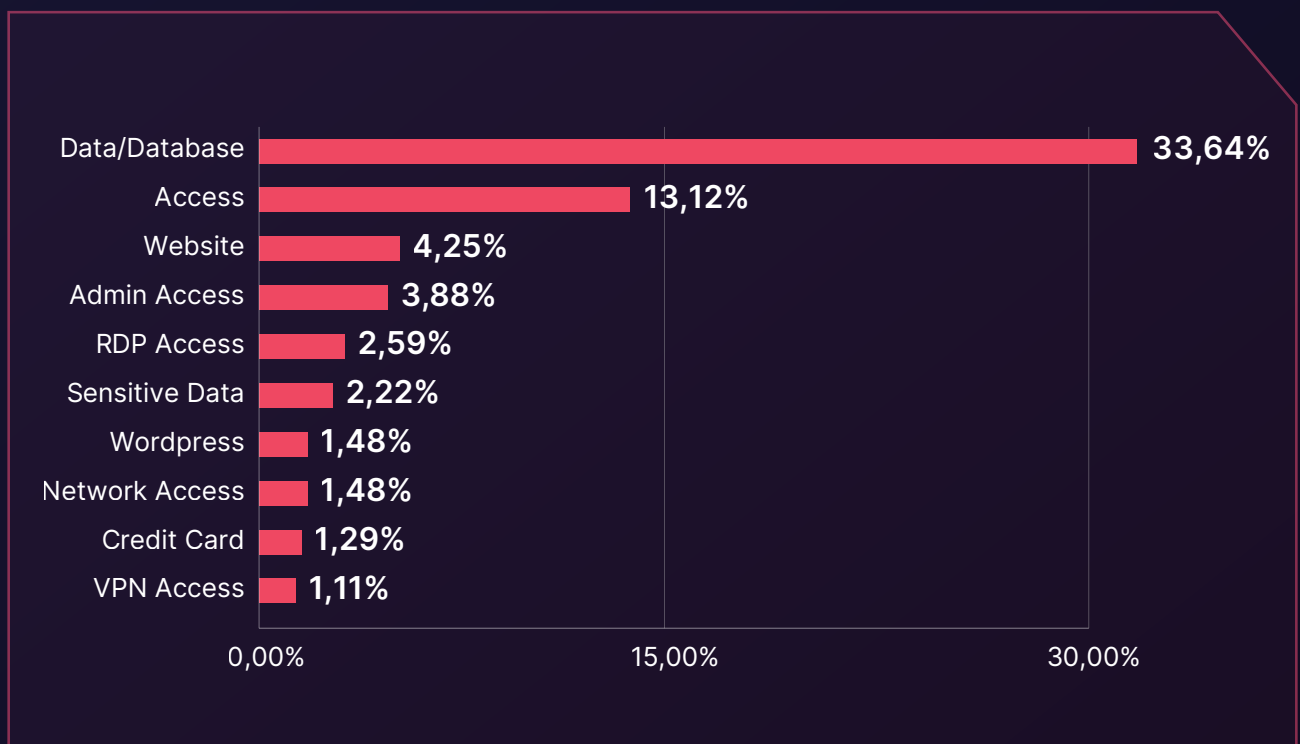
► Industry Distribution of Dark Web Threats



► Distribution of Dark Web Threats by Post Type

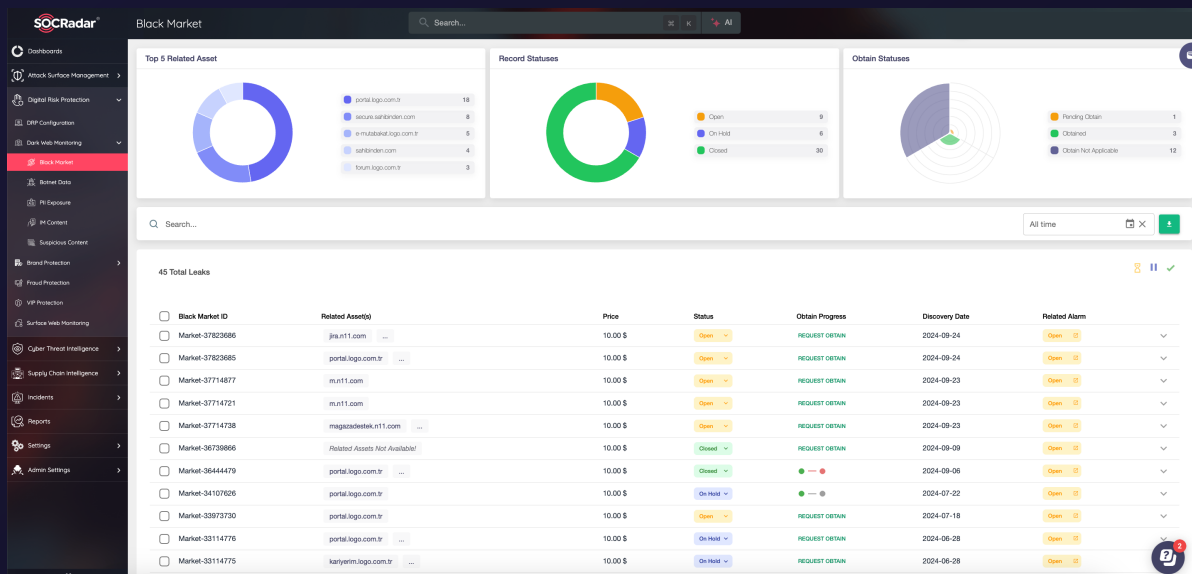


► Distribution of Dark Web Threats by Threat Type



SOCRadar's Advanced Dark Web Monitoring provides Brazilian organizations with critical insights into hidden threats targeting their sectors, including Public Administration and Retail Trade, which have faced significant risks over the past year. With real-time tracking of underground chatter and sensitive data exposure, SOCRadar enables proactive defense against dark web threats.

Activate **your free demo today** to safeguard your organization's most valuable assets.

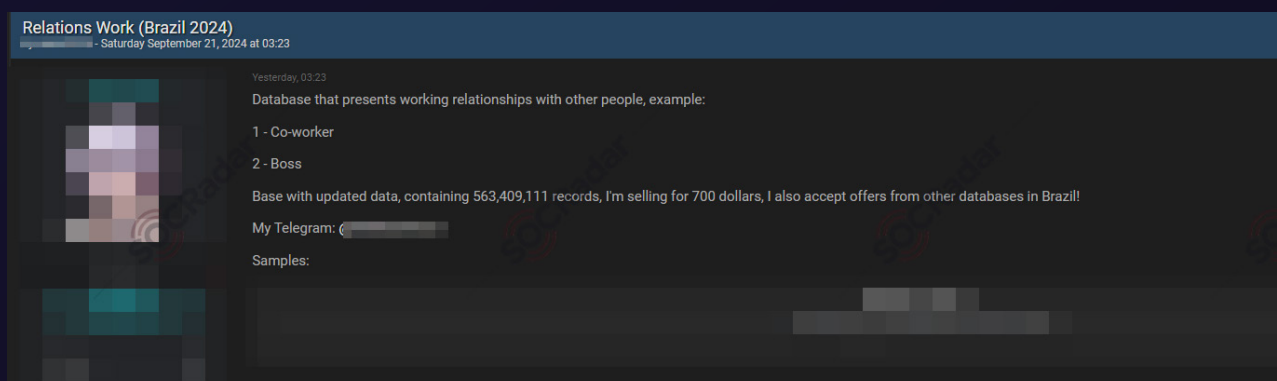


Recent Dark Web Activities Targeting Brazilian Entities



The Alleged Relations Work Data of Brazil is on Sale

A hacker forum monitored by SOCRadar detected a new alleged sale of relations work data for Brazil. The database reportedly includes 563,409,111 records and is being offered for sale on the forum.

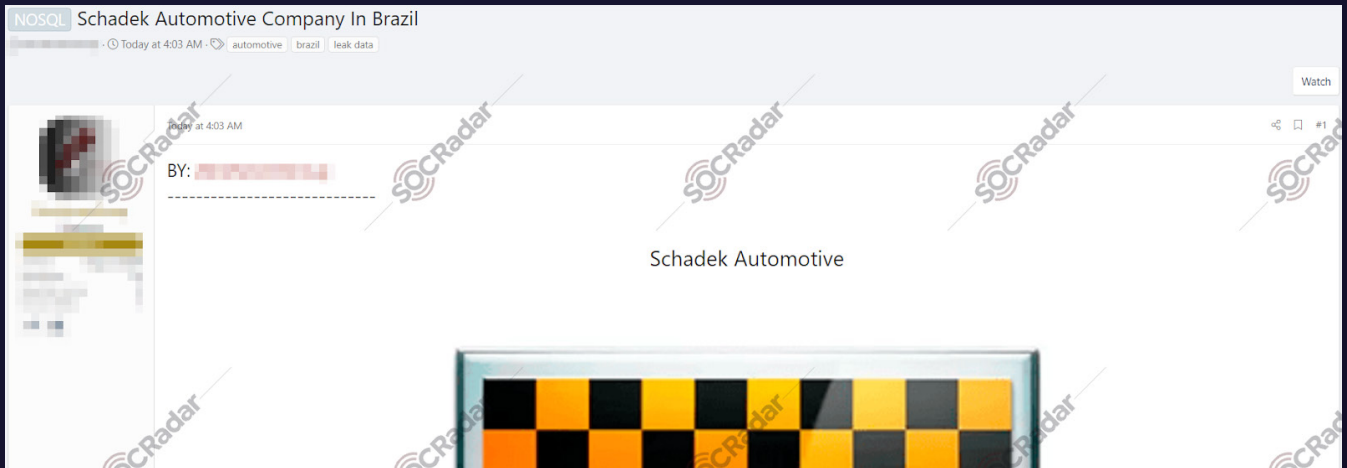


Screenshot of the forum post - Relations Work (Brazil 2024)

22 Sep
2024

The Alleged Data of Schadek Automotive is Leaked

A new alleged data leak for Schadek Automotive was detected in a hacker forum monitored by SOCRadar. The leaked data includes sensitive information such as projects, employee details, customer data, financial information, and manufacturing designs.

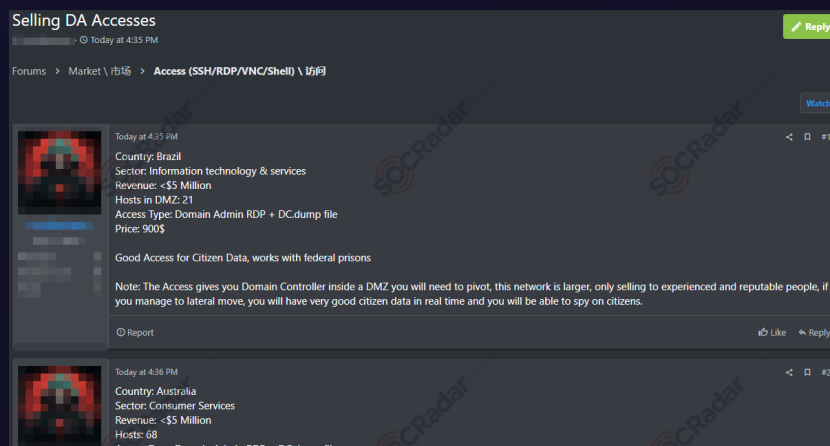


Screenshot of the forum post - Schadek Automotive Company In Brazil

11 Sep
2024

The Alleged Unauthorized Domain Admin Access Sales are Detected for Many Companies

In a hacker forum monitored by SOCRadar, an unauthorized sale of domain admin access was detected. The access allegedly belongs to many companies operating in Brazil and Australia. It includes Domain Admin RDP and DC.dump files, providing potential attackers with privileged access to sensitive data and systems.



Screenshot of the forum post - Selling DA Accesses

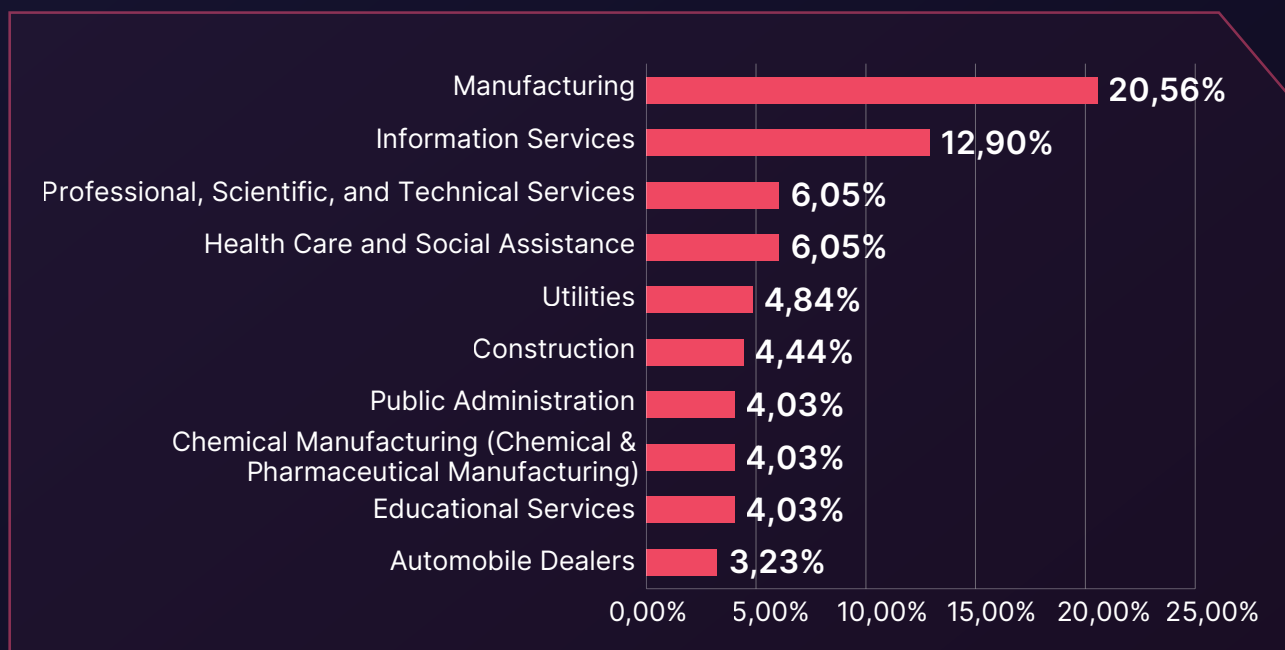
Ransomware Attacks Targeting Brazilian Entities

Ransomware attacks represent significant threats to organizations, often resulting in dire consequences such as extensive data loss and the exposure of sensitive information. SOCRadar's surveillance has identified 248 instances of ransomware victim notifications attributable to various ransomware threat actors and/or groups.

Of the 248 ransomware attacks referenced, Brazil emerges as the primary target in 166 cases, with the nation also featuring among the most affected countries in the remaining 82 global incidents.

Manufacturing emerges as the most prominently affected sector among the targeted industries, representing 20.56% of the identified ransomware attacks during this period. Following this, the Information Services industry accounted for 12.90% of the attacks, while the Professional, Scientific, and Technical Services industry experienced 6.05% of the ransomware incidents.

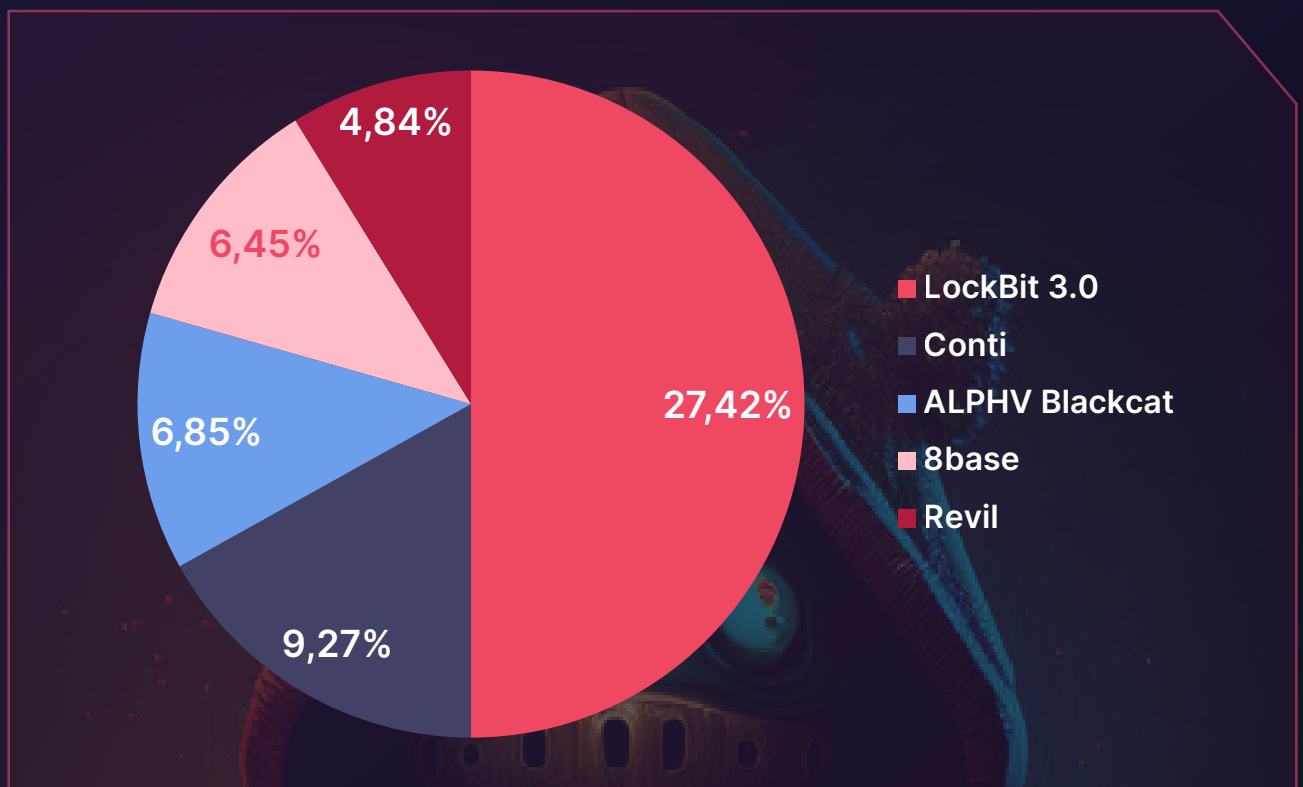
► Distribution of Ransomware Attacks by Industry



Top Ransomware Groups Targeting Brazil

When examining the top ransomware groups targeting Brazil, **LockBit 3.0** emerges as the most prolific threat, accounting for **27.42%** of the attacks. Following this, **Conti** represents **9.27%** of the ransomware incidents. **ALPHV Blackcat** accounts for **6.85%**, while **8base** accounts for **6.45%**. Lastly, **Revil** contributes to **4.84%** of the ransomware activity in Brazil. This analysis highlights the dominant presence of LockBit 3.0, followed by a diverse range of other ransomware groups.

► Top Ransomware Groups Targeting Brazil

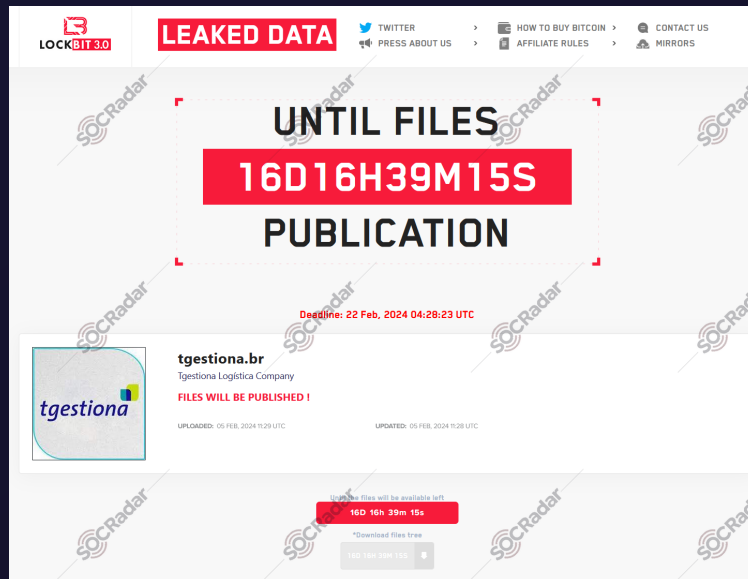


Recent Ransomware Attacks Targeting Brazilian Entities

05 Feb
2024

The New Ransomware Victim of LockBit 3.0: Tgestiona Logística

On the [LockBit 3.0 ransomware group](#) website monitored by SOCRadar, a new victim was allegedly announced as Tgestiona Logística. The group has already uploaded some of the company's files to its website and is threatening to publish the rest if the ransom is not paid by February 22, 2024, as the payment deadline draws near.

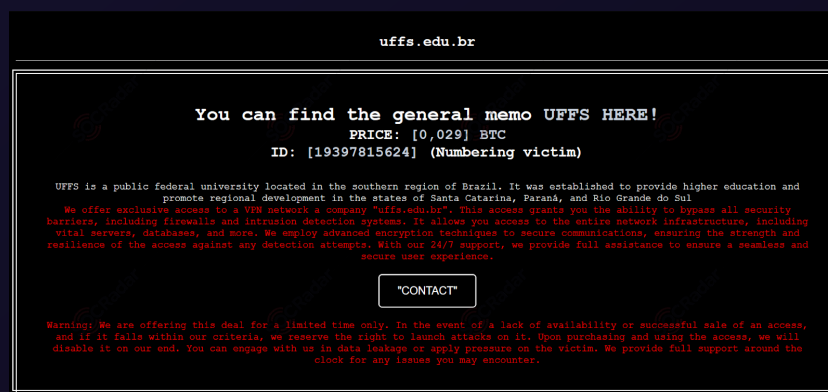


Screenshot from Lockbit 3.0 ransomware group's website

18 Jan
2024

The New Ransomware Victim of Stormous: UFFS

On the Stormous ransomware group website monitored by SOCRadar, a new ransomware victim was allegedly announced as UFFS / Federal University of Fronteira Sul. The group offers exclusive access to a VPN network that bypasses security barriers, providing access to the entire network infrastructure, including critical servers and databases. It employs advanced encryption techniques to secure communications and ensure access remains undetected.

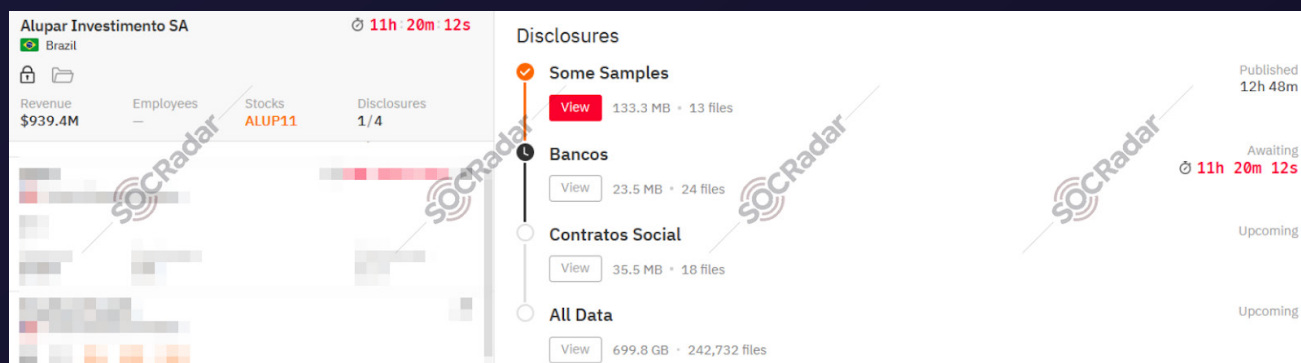


Screenshot from Stormous ransomware group's website

22 Jan
2024

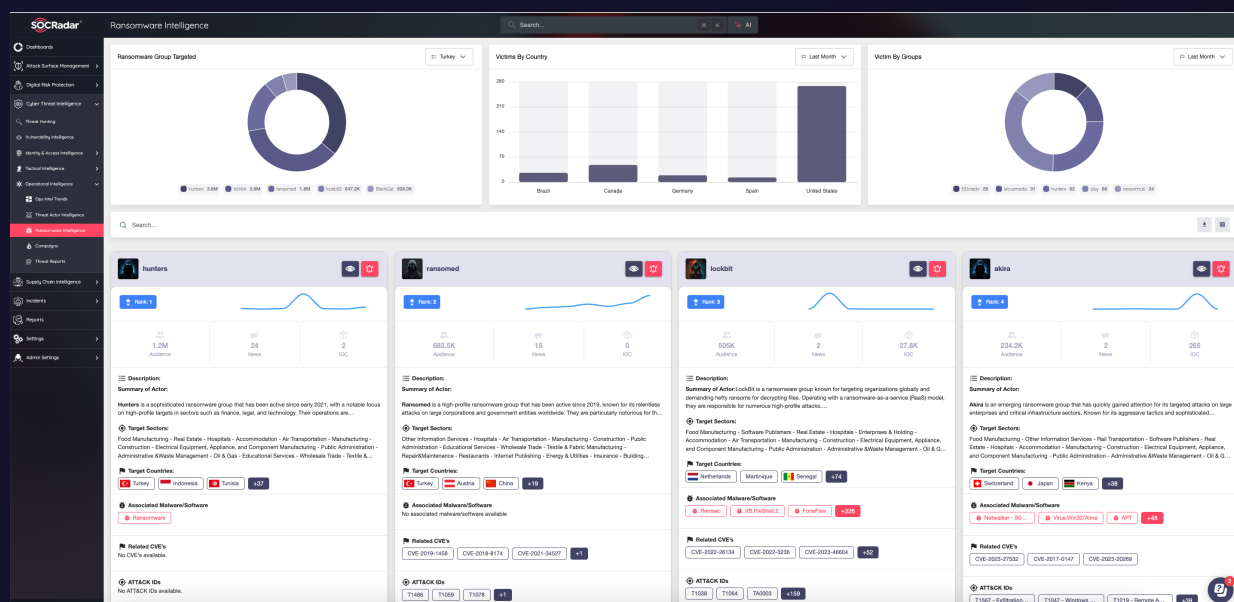
Hunters International Ransomware Group Leaked The Data of Alupar Investimento

In the Hunters International ransomware group website monitored by SOCRadar, new data leaks detected allegedly belong to Alupar Investimento. The leaked data includes various files, such as bank details, contracts, and social information, totaling 699.8 GB.



Screenshot from Hunters International ransomware group's website

Explore [SOCRadar's Ransomware Intelligence](#) module and gain comprehensive insights with detailed group profiles, MITRE Visualizer, and actionable IOCs. These insights will empower you to stay ahead of evolving threats and enhance your cybersecurity strategy.



Top Threat Actors Targeting Brazilian Organizations

Lockbit 3.0 Ransomware Group



LockBit 3.0, a successor to LockBit and LockBit 2.0, operates as a Ransomware-as-a-Service (RaaS) group. Since January 2020, LockBit has shifted to an affiliate-based model, employing various tactics to target businesses and critical infrastructure organizations. They are known for employing strategies like double extortion and initial access broker affiliates, recruiting insiders, and hosting hacker recruitment contests.

With over 1,500 victim announcements on the SOCRadar platform, LockBit emerged as the most active ransomware group in 2022 following Conti's shutdown. As of the first quarter of 2023, they remain the most prolific group, boasting over 300 announced victims.

[You can visit our blog post for more detailed Lockbit 3.0 Ransomware Group information.](#)

Conti Ransomware Group



Conti is one of the most notorious ransomware groups responsible for hundreds of attacks globally. The group operates as a Ransomware-as-a-Service (RaaS), which allows affiliates to use Conti's ransomware in exchange for a share of the profits. Conti is known for its highly sophisticated attacks, which leverage double extortion techniques—encrypting data and threatening to leak sensitive information if the ransom is not paid.

The Conti group was also linked to several high-profile attacks, including incidents targeting critical infrastructure and healthcare organizations. Their aggressive tactics and willingness to target essential services have made them one of the most disruptive ransomware groups in recent years.

[You can visit our blog post for more detailed information about the Conti Ransomware Group.](#)

ALPHV Blackcat Ransomware Group



BlackCat Ransomware

Country of Origin: Russia 🇷🇺

BlackCat, or ALPHV, is a ransomware group known for being the pioneer to use Rust and the group first announced its RaaS affiliate program in a dark web forum in December 2021.

-Ransomware Group-

Motivation: Financial Gain

Target Countries: United States, United Kingdom, Canada, Germany, Australia, France, Italy, Spain

Target Sectors: Professional Services, Manufacturing, Healthcare, Finance, Information Technology

Attack Type: Spearphishing, Stolen Credentials, RaaS, Ransomware, Triple-Extortion

-TTPs-

User Execution: Malicious File: T1204.002

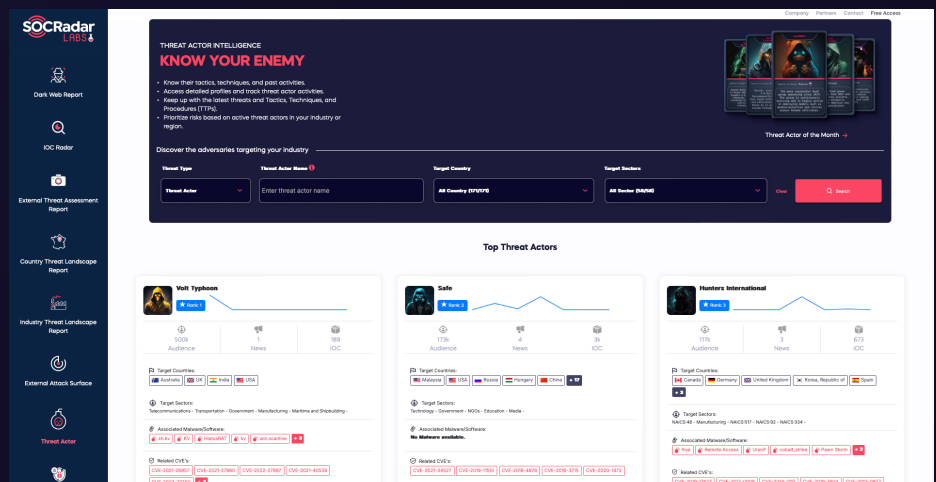
Defacement: T1491

Data Encrypted for Impact: T1486

BlackCat, or ALPHV, is a ransomware group known for being the first to successfully use Rust—a cross-platform programming language that allows for easy malware customization for different operating systems, such as Windows and Linux. The group has been able to evade detection and successfully encrypt their victims' files by using Rust, which allows them to target multiple operating systems and bypass security controls not designed to analyze malware written in Rust.

You can visit our blog post for more detailed information about the ALPHV BlackCat Ransomware Group.

SOCRadar enhances cybersecurity measures with its **Threat Actor Intelligence** module, which features advanced Threat Actor Tracking capabilities for organizations that want to stay ahead of cyber threats in real-time.



Stealer Log Statistics: Top Domains in Brazil

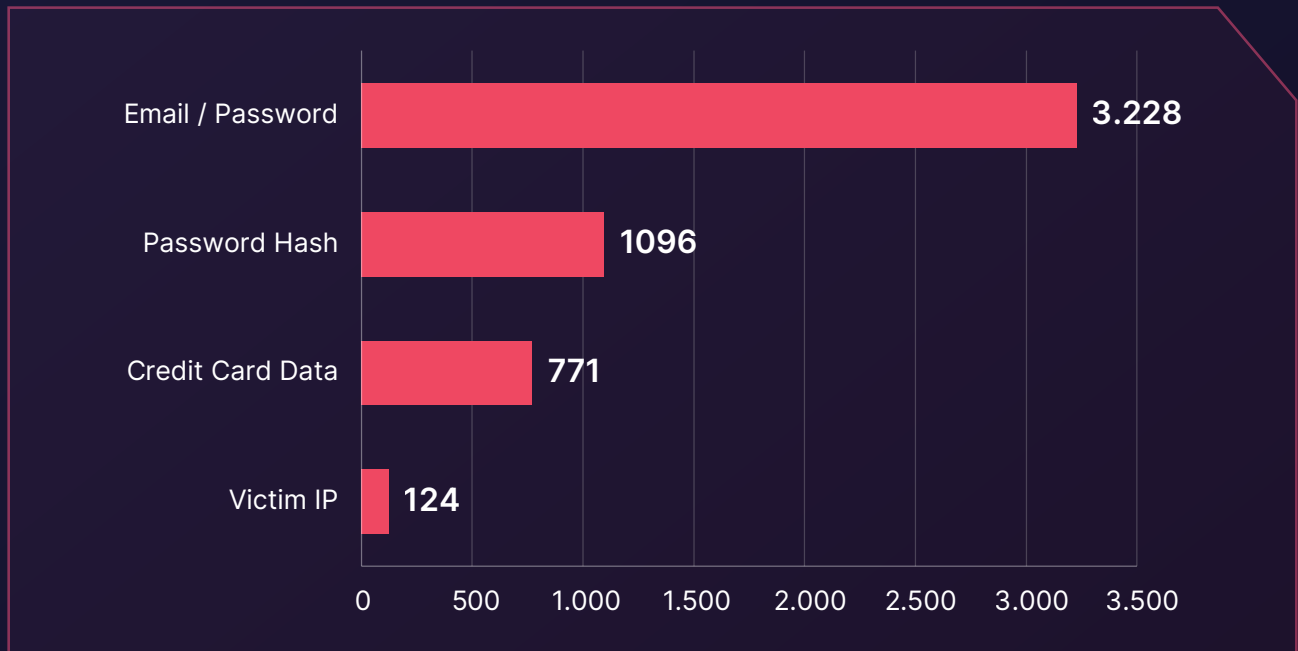
Throughout 2024, thousands of users' user IDs/email addresses, passwords, credit card data, password hashes, and victim IP address information were compromised via Stealer Logs from the computers of users with accounts or access to some of the highest traffic domains in Brazil.

The table below lists the domains that receive the highest traffic from Brazil.

uol.com.br
globo.com
tudocelular.com
gov.br
mercadolivre.com.br
terra.com.br
caixa.gov.br
metropoles.com
acesso.gov.br
cnnbrasil.com.br



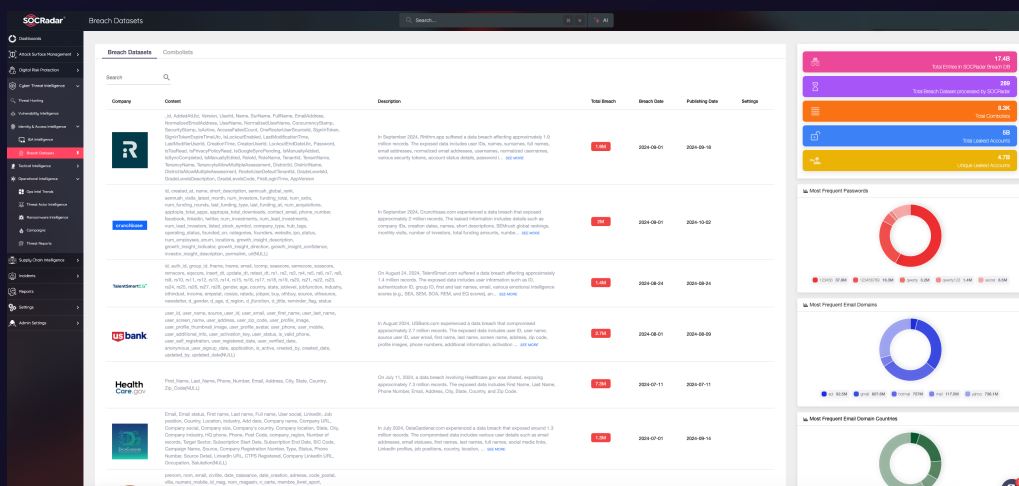
► Stealer Logs- Compromise Data



The data reveals significant dissemination of compromised information, including **3,228** email/password combinations, **1,096** password hashes, **771** credit card data entries, and **124** compromised victim IPs, each representing significant instances of compromise.

These discoveries emphasize the gravity of data compromises that impact users, highlighting the urgent need for robust cybersecurity protocols to mitigate such risks efficiently.

SOCRadar's Identity & Access Intelligence Module can detect stealers on your devices and identify their location, facilitating a secure working environment. Changing passwords without eliminating stealers is insufficient to secure your organization, as it will only provide new passwords to threat actors.

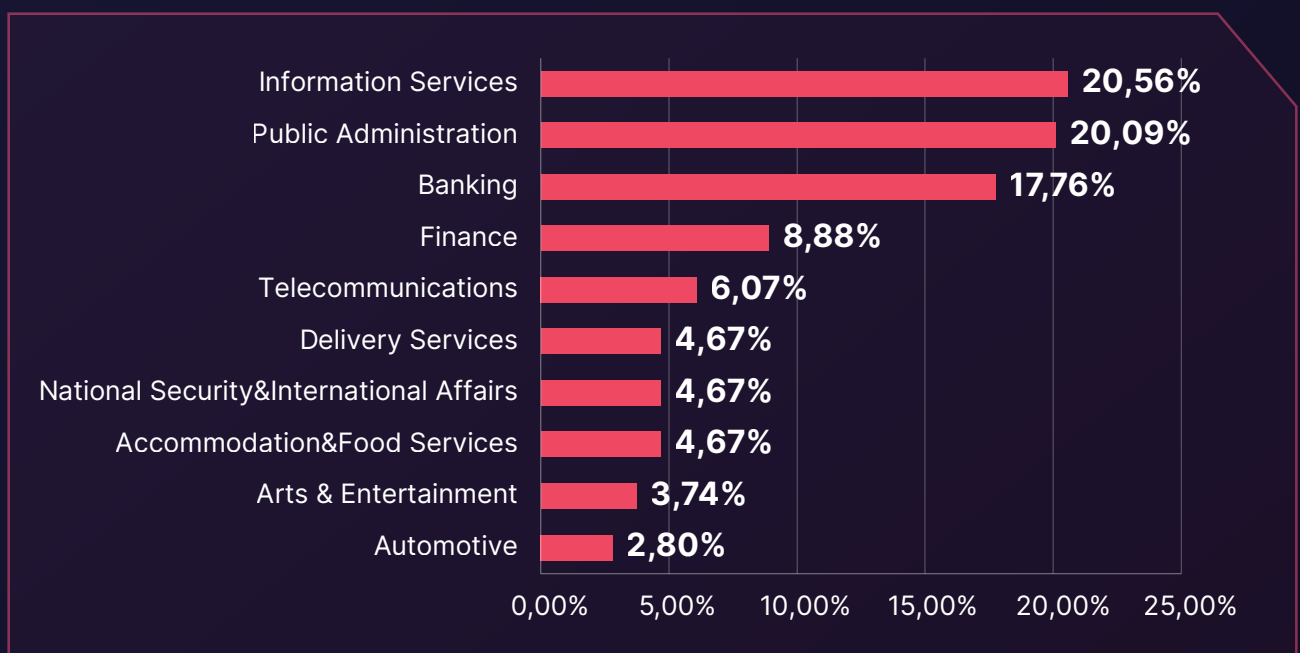


Phishing Threats Targeting Brazil

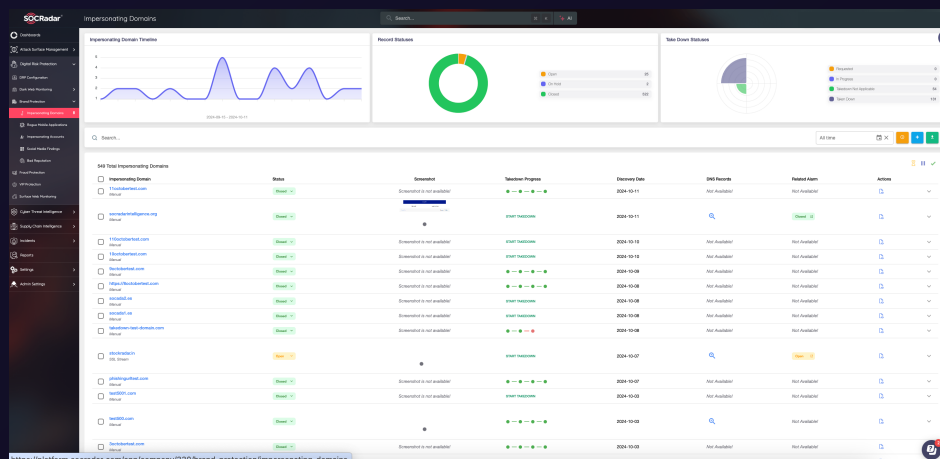
Phishing is an effective method to initially breach an organization's infrastructure by deceiving individuals into divulging sensitive credentials on fraudulent websites.

Typically, phishing attacks are coupled with social engineering tactics to acquire such credentials. Over the past year, Brazilian enterprises have encountered **1,449 distinct instances of phishing attacks**, primarily targeting the **Information Services** industry.

► Phishing Attacks - Distribution by Industry

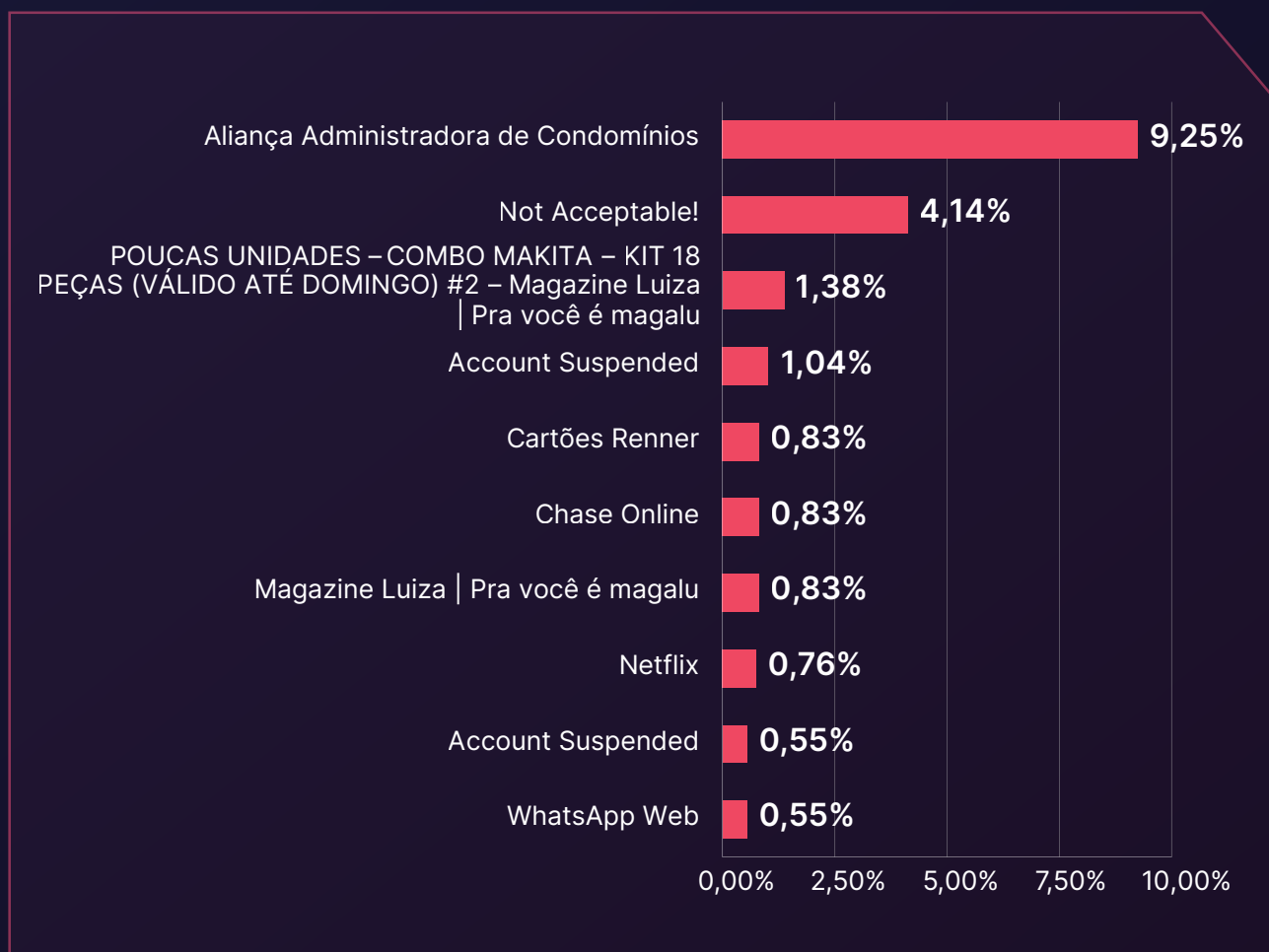


With **SOCRadar's AI-powered Phishing Domain Detection** module, you can swiftly identify malicious domains and protect your brand from phishing threats. **Start safeguarding your digital presence today with SOCRadar—[request a free demo](#) and see the platform in action.**



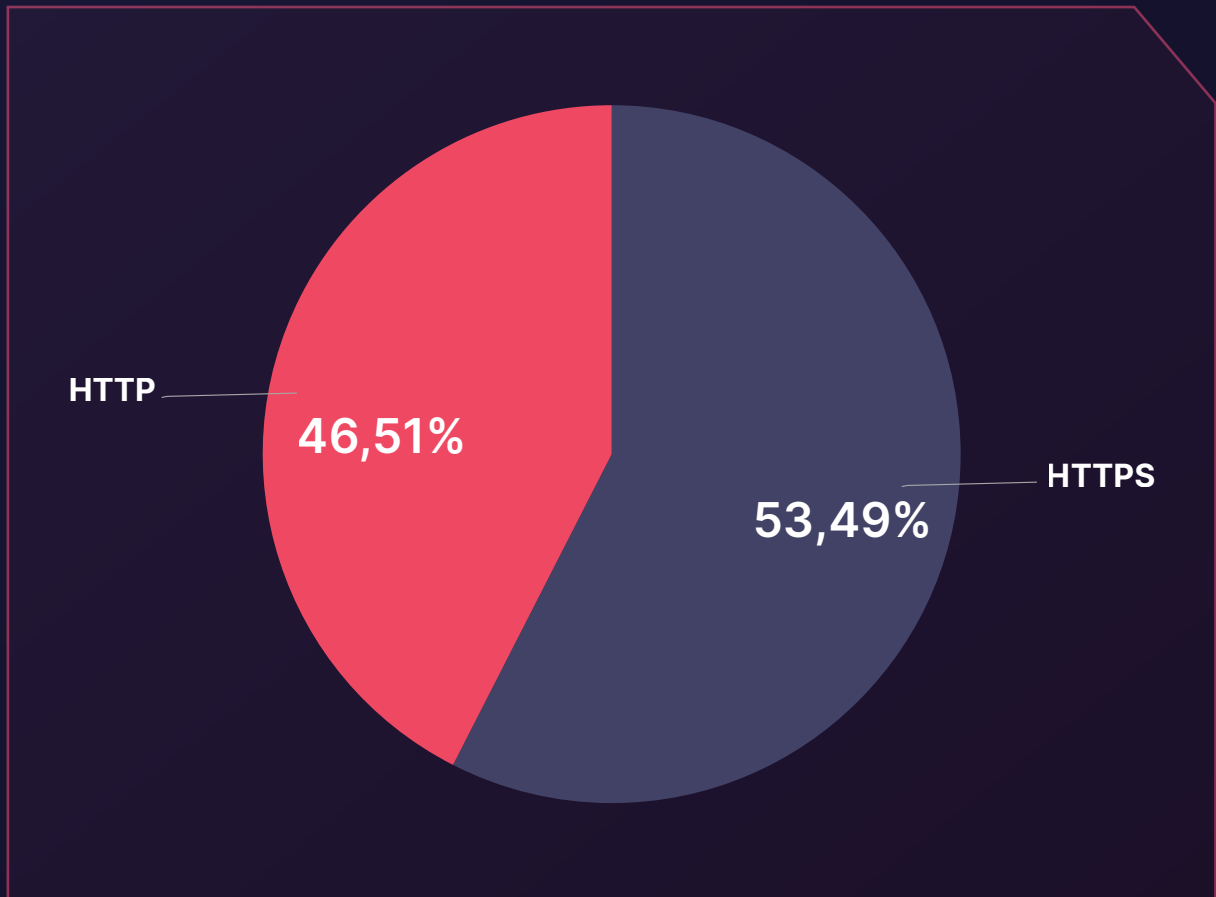
The graph below illustrates the distribution of Page Titles used by threat actors for phishing attacks. Notably, the data reveals a predominant usage of the **Aliança Administradora de Condomínios** page title.

► Phishing Attacks - Distribution by Phishing Page Title



When closely examining the SSL/TLS protocols of domains prepared for phishing attacks by threat actors, we observe an increasing trend in the usage of HTTPS compared to the past.

► Phishing Attacks- Distribution by SSL/TLS Protocol



DDoS Attack Statistics

Brazil experienced a dynamic DDoS threat landscape marked by considerable cyber activity in 2024.

- The most extensive multivector DDoS attack recorded encompassed **23 vectors**, featuring prevalent techniques such as **DNS Amplification and ICMP attacks**.
- The maximum bandwidth observed during a DDoS attack reached **4 Tbps** (peak aggregate bandwidth in one minute), indicating the severe capacity of these cyber threats.
- The highest recorded throughput during these incidents was **350.00 Mpps** (peak aggregate throughput in one minute), underscoring the intense rate at which data packets were sent.
- On average, each DDoS attack lasted for **51.85 minutes**, indicating a strategy aimed at prolonged and effective service disruption.
- **372,825 DDoS attacks** were recorded throughout the year, illustrating a high frequency of cyber-attacks aimed at targets in Brazil.

Attack Vector	Number of Attacks in 2023
TCP ACK	134,878
DNS Amplification	96,660
TCP SYN/ACK	83,769
TCP Reset	74,236
ICMP	65,442

The ongoing evolution of DDoS tactics underscores the importance of implementing stringent monitoring and resilient defense mechanisms to safeguard essential infrastructures and ensure uninterrupted service delivery.

Enhance your DDoS defense with [SOCRadar's DoS Resilience Free Tool](#), a sophisticated tool designed to assess and fortify your infrastructure's resilience to DoS attacks.

Lessons Learned: Key Insights and Strategic Recommendations

Upon examining the cybersecurity threats facing organizations in Brazil, several critical lessons and recommendations have emerged. These insights, enhanced by SOCRadar's capabilities, provide a strategic roadmap to bolster cyber resilience and safeguard operational integrity. Here are the key takeaways from our analysis:

Vigilance in an Evolving Cyber Threat Landscape

The dynamic nature of the cyber threat landscape, marked by an increase in Dark Web activities and ransomware incidents related to Brazil, demands constant vigilance.

Organizations must keep pace with these changes by adapting their security strategies. By adopting a proactive approach like [**SOCRadar's Extended Threat Intelligence solution**](#), organizations can gain real-time insights into emerging threats, positioning them to counteract cyber adversaries proactively.

Implementation of Multi-layered Security Measures

Given the broad spectrum of industries targeted by cyber threats, it is essential to implement multi-layered security defenses. SOCRadar supports these efforts with its proactive [**Threat Intelligence**](#) and [**Advanced Dark Web Monitoring**](#) services, ensuring comprehensive protection.

Consistent Guard Against Ransomware

The persistent ransomware threat underscores the need for defensive, solid, and responsive strategies. [**SOCRadar's Attack Surface Management**](#) capabilities are crucial for businesses to identify potential ransomware threats and to formulate effective countermeasures.

Continuous Employee Education and Training

The ongoing risk of phishing attacks makes continuous employee education and training imperative. Enhancing their ability to recognize phishing tactics and detection methods is vital.

[**SOCRadar's Digital Risk Protection**](#) suite provides comprehensive [**VIP Protection**](#) and [**Brand Protection**](#) services, effectively addressing the challenges posed by identity-based attacks.

Robust Defenses Against Stealer Malware

Brazil is frequently targeted by Stealer malware, so strengthening defenses against this malicious software is crucial.

[SOCRadar's Identity & Access Intelligence module](#) is vital in detecting and mitigating data breach threats, enhancing an organization's security framework.

Strategies Against DDoS Attacks

As DDoS attacks become more complex and voluminous, organizations must prioritize implementing robust DDoS mitigation strategies. This involves deploying advanced DDoS protection technologies that absorb high-volume traffic and effectively mitigate multi-vector attack strategies.

Enhance your DDoS defense with [SOCRadar's DoS Resilience Free Tool](#), a sophisticated tool designed to assess and fortify your infrastructure's resilience to DoS attacks. Leveraging state-of-the-art AI and cloud technologies, this module provides a crucial layer of protection for global organizations.

SOCRadar's Recommendations: Proactive Strategies for Threat Detection, Dark Web Monitoring, and Brand Protection

- Adopting a proactive and comprehensive cybersecurity approach is crucial for Brazil's organizations.
- Partnering with advanced solutions like SOCRadar enhances defenses and helps navigate the evolving cyber threat landscape.
- Building a culture of risk awareness and implementing proactive mitigation strategies fortifies defenses against dynamic threats.
- Utilizing Cyber Threat Intelligence (CTI) empowers teams to respond to immediate threats and confidently prepare for future challenges.
- Collaboration among cybersecurity professionals, supported by robust CTI frameworks, is essential for safeguarding digital assets and maintaining organizational resilience against cyber threats.

Who is SOCRadar®?

Your Eyes Beyond

SOCRadar provides Extended Threat Intelligence (XTI) that combines: **"Cyber Threat Intelligence, Brand Protection, External Attack Surface Management, and Dark Web Radar Services."** SOCRadar provides the actionable and timely intelligence context you need to manage the risks in the transformation era.

Trusted by
21.000+ companies
in **150+ countries**

Dark Web Monitoring: SOCRadar's fusion of its unique Dark Web recon technology with the human analyst eye further provides in-depth insights into financially-targeted APT groups and the threat landscape.

Protecting Customers' PII: Scan millions of data points on the surface, deep and Dark Web to accurately identify the leakage of your customers' Personally Identifiable Information (PII) in compliance with regulations.

Credit Card Monitoring: Enhance your fraud detection mechanisms with automation speed by identifying stolen credit card data on popular global black markets, carding forums, social channels, and chatters.

360-Degree Visibility: Achieve digital resilience by maintaining internet-facing digital asset inventory. Significantly accelerate this process by automated discovery, mapping, and continuous asset monitoring.

GET ACCESS FOR FREE

START YOUR PERSONALIZED DEMO

Discover SOCRadar's powerful tools and easy-to-use interface to enhance cyber threat intelligence efforts. Schedule a demo with our experts to see it in action, and we'll show you what SOCRadar can do.

