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Weekly Insights and Updates

| October 11, 2024

The latest wave of cyberattacks hitting the U.S. underscores a harsh reality: the country's critical infrastructure is under siege. Hackers are finding ways to infiltrate systems that keep our daily lives running smoothly, from telecom giants to water utilities. Data breaches are affecting millions, while advanced hacking operations have increased in scale and intensity.

As hackers become increasingly adept at exploiting both new and legacy systems, the line between criminal enterprises and nation-state actors continues to blur. The question remains: Are we equipped to defend against the next inevitable breach?

Chinese Hackers Breach Major U.S. Networks

A massive breach involving AT&T and Verizon compromised systems used for court-authorized wiretapping, posing a significant national security risk. Chinese hackers, known as Salt Typhoon, accessed sensitive data through these networks, underscoring the vulnerability of critical U.S. infrastructure. Investigations are ongoing to assess the full impact of this breach.

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Major Data Breach Exposes Over 237,000

Customers' Social Security Numbers
A recent data breach involving a third-party service provider exposed the personal information of 237,703 customers, including Social Security numbers, addresses, and birthdates. The breach occurred at Financial Business and Consumer Solutions (FBCS), marking the second major breach involving the company within a year.

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Ransomware Attack Targets Third-Party Vendor

In another blow to Comcast, a ransomware attack on Financial Business and Consumer Solutions (FBCS) exposed additional customer data. Though initially believed to be unaffected, Comcast customers were later notified of the breach, raising concerns about third-party security oversight and response.

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Multi-Step Phishing Attack Targets University Accounts

A sophisticated phishing campaign at the University of Utah involves fake job offers and fraudulent 2FA notifications. Attackers use phishing emails and SMS messages to collect credentials and personal information, emphasizing the need for heightened phishing defenses and user education.

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Quishing: The New Phishing Scam Using QR Codes

Scammers have turned to fake QR codes in a new phishing attack called "Quishing." By placing these codes in public spaces and emails, they redirect victims to malicious websites. As QR codes become more common in daily life, awareness and caution when scanning are important considerations for cybersecurity.

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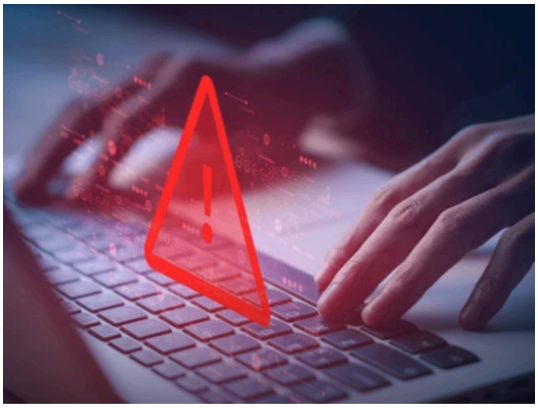

Rackspace Data Breach Exposes Monitoring Data

Rackspace suffered a data breach through a zero-day vulnerability in the ScienceLogic SL1 platform. Although no customer-hosted data was compromised, sensitive monitoring data, including IP addresses and credentials, was accessed. The breach underscores the risks associated with third-party IT infrastructure tools.

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Phishing Attacks Surge with AI and Deepfake Technology

Phishing attacks rose by 28% in the second quarter of 2024, with AI-enhanced phishing kits becoming more prevalent. The report highlights the growing complexity of phishing tactics, with impersonation attacks accounting for 89% of all incidents. This surge makes advanced phishing detection critical for businesses.

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APT40 Hack Exposes the Fragility of U.S. Critical Infrastructure

In a chilling exposé by Jeff Brown from Brownstone Research, China-backed hacking group APT40—dubbed Salt Typhoon by the U.S. government—has been infiltrating U.S. infrastructure. As Brown outlines, the use of backdoors initially created for legal wiretapping has now become one of the greatest security risks, emphasizing the urgent need for heightened cybersecurity measures.

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Widespread Cyberattack Disrupts American Water Services

A cyberattack on American Water has disabled customer service portals, affecting millions of users across 14 states. While water services remain operational, the disruption highlights the vulnerability of critical infrastructure and the potential consequences of such attacks on essential services.

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October Patch Tuesday Fixes Two Zero-Day Vulnerabilities

Microsoft's October Patch Tuesday update addresses five publicly disclosed zero-day vulnerabilities, including two actively exploited issues. These vulnerabilities could allow attackers to execute arbitrary code or deceive users into interacting with malicious content, underscoring the importance of promptly applying this month’s Windows OS updates.

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Cyberattacks are hitting closer to home, and the consequences are severe. It’s time to take action and defend our critical infrastructure from bad actors seeking to do harm. The increasing frequency of cyberattacks calls for a reevaluation of baseline cybersecurity protocols. As more vulnerabilities are revealed, the ability to preempt, respond, and recover from attacks must evolve.

At ATS, we remain committed to providing advanced, expert cybersecurity solutions to protect against the mounting digital risk. As these threats escalate, one thing is clear: the

fight for America's digital security has only just begun. Stay vigilant, and we'll see you next week.

The cost of security is insignificant compared to the price of vulnerability.

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