VOL. 1 · ISSUE 43

Cyber Shield

July 20, 2026

Essential cybersecurity intelligence for small and mid-sized businesses — powered by AI, delivered by Intelligent Automation, LLC.

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FEATURE

This Week in Cybersecurity

⚡ Weekly Recap: WordPress RCE, SonicWall 0-Days, AI Service Attacks, SharePoint 0-Day and More

Russian Intelligence Hacks IP Cameras to Spy on Military Logistics Across NATO States and Ukraine

Mythos Didn't Break Your Security Program. Your Exposure Window Could.

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Cyber Threat Intelligence

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Threat Intelligence — Continued

New 7-Zip Vulnerability Could Let Crafted XZ Archives Run Code During Extraction

Russian-Speaking Hacker Uses Google Gemini CLI to Control Botnet of Eight Dental Clinic PCs

World's Largest AI Model Repository Hugging Face Breached by Autonomous AI Agent

ISC Stormcast For Monday, July 20th, 2026 https://isc.sans.edu/podcastdetail/10014, (Mon, Jul 20th)

Scans for Hikvision Intelligent Security API, (Sun, Jul 19th)

💡 WEEKLY TECH TIP

Patch Critical Vulnerabilities Before Attackers Exploit Them

This week's attacks on WordPress, SonicWall, SharePoint, and 7-Zip show cybercriminals move fast when vulnerabilities emerge. Delayed patching creates exposure windows that hackers actively exploit to breach systems.

Step 1: Enable automatic security updates for all software where possible and safe.

Step 2: Check vendor advisories weekly for WordPress, firewall, and file compression tool patches.

Step 3: Prioritize patching internet-facing systems and applications within 48 hours of release.

Step 4: Maintain an asset inventory to quickly identify which systems need urgent updates.

ALERTS

National Cybersecurity Alerts

ISC Stormcast For Monday, July 20th, 2026 https://isc.sans.edu/podcastdetail/10014, (Mon, Jul 20th)

Scans for Hikvision Intelligent Security API, (Sun, Jul 19th)

ISC Stormcast For Friday, July 17th, 2026 https://isc.sans.edu/podcastdetail/10012, (Fri, Jul 17th)

ISC Stormcast For Thursday, July 16th, 2026 https://isc.sans.edu/podcastdetail/10010, (Thu, Jul 16th)

REGIONAL

Regional & Sector-Specific Alerts

ISC Stormcast For Monday, July 20th, 2026 https://isc.sans.edu/podcastdetail/10014, (Mon, Jul 20th)

Scans for Hikvision Intelligent Security API, (Sun, Jul 19th)

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JULY AWARENESS

System Administrator Day

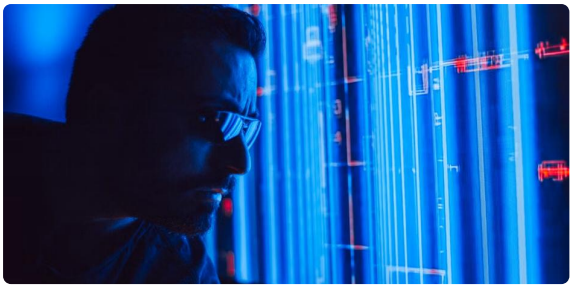
July 26th is System Administrator Appreciation Day, a perfect reminder that the people managing your computers, networks, and security systems are your first line of defense against cyber threats. Your system administrators can only protect what they can see, so they need proper access to monitor all systems, up-to-date security tools, and authority to enforce basic protections like multi-factor authentication and regular software updates. Today, schedule 30 minutes with your IT person or managed service provider to ask one simple question: "What security tool or access do you need that you don't currently have?"

ACTION ITEM

Schedule a 15-minute team security review this week using this month's theme as your agenda.

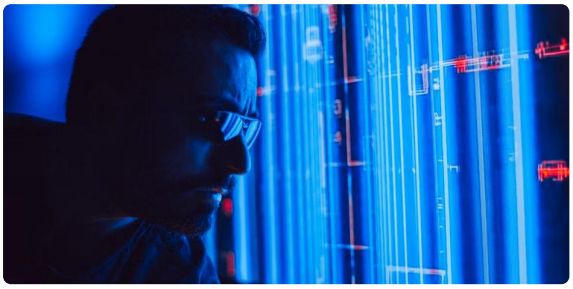
SMB SPOTLIGHT

Protecting Your Business



Helping small businesses with free, hands-on cyber consultancy

UK and Allies urge critical sectors to improve defences against Russian intelligence targeting



Cyber Essentials Pathways: from proof of concept to cyber confidence

Cyber Shield: The path to an agentic AI future for cyber defence

INNOVATION

Cybersecurity Advancements

OpenSSL Silently Fixes ‘HollowByte’ DoS Vulnerability

New Index Tracks Material Breaches — And Refuses to Add Up the Losses

Ernst & Young Data Breach Affects Personal, Financial Information

Watch on Demand: Cloud & Data Security Summit

CTO'S DESK

From the Desk of Daniel Ramos

Daniel Ramos
Chief Technology Officer
Intelligent Automation, LLC | Fairfield, NJ
Managed Cybersecurity Service Provider

This week's headlines paint a troubling picture, but there's one thread connecting nearly every story: the shrinking window between vulnerability disclosure and active exploitation. Whether it's WordPress, SonicWall, or 7-Zip, attackers are moving faster than ever before.

What keeps me up at night isn't just the sophistication of these threats—it's the speed. The Mythos article got it exactly right: your exposure window matters more than your security stack. I've seen too many organizations with impressive tools sitting unpatched for weeks, leaving themselves vulnerable during that critical period when attackers are most aggressive. Even something as mundane as Russian hackers using Google Gemini to control dental clinic PCs shows that no sector is too small to escape notice.

The good news? This is entirely within your control. Automated patch management, vulnerability scanning, and rapid response protocols can shrink your exposure window from weeks to hours. If your current approach relies on manual processes or "getting to it next month," it's time for an honest conversation about risk. Let's connect this week and assess whether your defenses match the speed of today's threats.

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