

Weekly IT Security Brief (Official-source-first) | 2026-03-22 **06:01**

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Weekly Summary

- Priority snapshot: 8 KEV-listed vulnerabilities are actively exploited in the wild (top 8 shown in this brief).
- Urgent patch focus: CVE-2025-32432(2026-04-03), CVE-2025-54068(2026-04-03), CVE-2025-43510(2026-04-03). Prioritize internet-facing and privileged systems first.
- Threat trend #1: CTI-REALM: A new benchmark for end-to-end detection rule generation with AI agents. CTI-REALM: A new benchmark for end-to-end detection rule generation with AI agents
- Threat trend #2: Secure agentic AI end-to-end. Secure agentic AI end-to-end
- Recommended action this week: patch KEV/high-risk exposed services within 24 hours and tighten monitoring for anomalous login, command execution, and credential access patterns.

Report A: CVE Deep Dive (CISA KEV + NVD)

CVE-2025-32432

CVE Title CVE-2025-32432 | craftcms/craft_cms | Remote Code Execution

CVE Description Craft is a flexible, user-friendly CMS for creating custom digital experiences on the web and beyond. Starting from version 3.0.0-RC1 to before 3.9.15, 4.0.0-RC1 to before 4.14.15, and 5.0.0-RC1 to before 5.6.17, Craft is vulnerable to remote code execution. This is a high-impact, low-complexity attack vector. This issue has been patched in versions 3.9.15, 4.14.15, and 5.6.17, and is an additional fix for CVE-2023-...

Root Cause Unsafe deserialization or input-handling flaws enable arbitrary code execution.

Exploitation Prerequisite Relevant endpoint is exposed and unpatched.

Exploit Path Malicious request/payload -> vulnerability trigger -> remote command execution.

Affected Products craftcms/craft_cms

Risk Score 10.0 (CRITICAL)

Exploited in the wild Listed in CISA KEV

KEV remediation due date 2026-04-03

Mitigation Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.

Source <https://www.cisa.gov/known-exploited-vulnerabilities-catalog>

Source <https://nvd.nist.gov/vuln/detail/CVE-2025-32432>

CVE-2025-54068

CVE Title	CVE-2025-54068 laravel/livewire Unknown Type
CVE Description	Livewire is a full-stack framework for Laravel. In Livewire v3 up to and including v3.6.3, a vulnerability allows unauthenticated attackers to achieve remote command execution in specific scenarios. The issue stems from how certain component property updates are hydrated. This vulnerability is unique to Livewire v3 and does not affect prior major versions. Exploitation requires a component to be mounted and configur...
Root Cause	Authentication workflow has logical flaws allowing bypass.
Exploitation Prerequisite	Target service is network-reachable and accepts attacker-crafted unauthorized requests.
Exploit Path	Unauthorized request -> auth bypass -> sensitive data access / privileged operations.
Affected Products	laravel/livewire
Risk Score	9.8 (CRITICAL)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-04-03
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2025-54068

CVE-2025-43510

CVE Title	CVE-2025-43510 apple/ipados Unknown Type
CVE Description	A memory corruption issue was addressed with improved lock state checking. This issue is fixed in watchOS 26.1, iOS 18.7.2 and iPadOS 18.7.2, macOS Tahoe 26.1, visionOS 26.1, tvOS 26.1, macOS Sonoma 14.8.2, macOS Sequoia 15.7.2, iOS 26.1 and iPadOS 26.1. A malicious application may cause unexpected changes in memory shared between processes.
Root Cause	Use vendor advisories and patch notes for authoritative technical details.
Exploitation Prerequisite	Affected version is reachable through an exploitable path and remains unpatched.
Exploit Path	Attacker leverages public PoC or observed exploit chain for intrusion.
Affected Products	apple/ipados, apple/iphone_os, apple/macOS, apple/tvos, apple/visionos
Risk Score	7.8 (HIGH)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-04-03
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2025-43510

CVE-2025-43520

CVE Title	CVE-2025-43520 apple/ipados Unknown Type
CVE Description	A memory corruption issue was addressed with improved memory handling. This issue is fixed in watchOS 26.1, iOS 18.7.2 and iPadOS 18.7.2, macOS Tahoe 26.1, visionOS 26.1, tvOS 26.1, macOS Sonoma 14.8.2, macOS Sequoia 15.7.2, iOS 26.1 and iPadOS 26.1. A malicious application may be able to cause unexpected system termination or write kernel memory.
Root Cause	Use vendor advisories and patch notes for authoritative technical details.
Exploitation Prerequisite	Affected version is reachable through an exploitable path and remains unpatched.
Exploit Path	Attacker leverages public PoC or observed exploit chain for intrusion.
Affected Products	apple/ipados, apple/iphone_os, apple/macOS, apple/tvos, apple/visionos
Risk Score	7.1 (HIGH)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-04-03
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2025-43520

CVE-2025-31277

CVE Title	CVE-2025-31277 apple/safari Unknown Type
CVE Description	The issue was addressed with improved memory handling. This issue is fixed in Safari 18.6, watchOS 11.6, visionOS 2.6, iOS 18.6 and iPadOS 18.6, macOS Sequoia 15.6, tvOS 18.6. Processing maliciously crafted web content may lead to memory corruption.
Root Cause	Use vendor advisories and patch notes for authoritative technical details.
Exploitation Prerequisite	Affected version is reachable through an exploitable path and remains unpatched.
Exploit Path	Attacker leverages public PoC or observed exploit chain for intrusion.
Affected Products	apple/safari, apple/ipados, apple/iphone_os, apple/macOS, apple/tvos
Risk Score	8.8 (HIGH)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-04-03
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2025-31277

CVE-2026-20131

CVE Title	CVE-2026-20131 cisco/secure_firewall_management_center Deserialization
CVE Description	A vulnerability in the web-based management interface of Cisco Secure Firewall Management Center (FMC) Software could allow an unauthenticated, remote attacker to execute arbitrary Java code as root on an affected device.
Root Cause	Use vendor advisories and patch notes for authoritative technical details.
Exploitation Prerequisite	Affected version is reachable through an exploitable path and remains unpatched.
Exploit Path	Attacker leverages public PoC or observed exploit chain for intrusion.
Affected Products	cisco/secure_firewall_management_center
Risk Score	10.0 (CRITICAL)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-03-22
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2026-20131

CVE-2025-66376

CVE Title	CVE-2025-66376 synacor/zimbra_collaboration_suite XSS
CVE Description	Zimbra Collaboration (ZCS) 10 before 10.0.18 and 10.1 before 10.1.13 allows Classic UI stored XSS via Cascading Style Sheets (CSS) @import directives in an HTML e-mail message.
Root Cause	Use vendor advisories and patch notes for authoritative technical details.
Exploitation Prerequisite	Affected version is reachable through an exploitable path and remains unpatched.
Exploit Path	Attacker leverages public PoC or observed exploit chain for intrusion.
Affected Products	synacor/zimbra_collaboration_suite
Risk Score	7.2 (HIGH)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-04-01
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2025-66376

CVE-2026-20963

CVE Title	CVE-2026-20963 microsoft/sharepoint_server Deserialization
CVE Description	Deserialization of untrusted data in Microsoft Office SharePoint allows an authorized attacker to execute code over a network.
Root Cause	Use vendor advisories and patch notes for authoritative technical details.
Exploitation Prerequisite	Affected version is reachable through an exploitable path and remains unpatched.
Exploit Path	Attacker leverages public PoC or observed exploit chain for intrusion.
Affected Products	microsoft/sharepoint_server
Risk Score	8.8 (HIGH)
Exploited in the wild	Listed in CISA KEV
KEV remediation due date	2026-03-21
Mitigation	Apply vendor patches immediately, reduce internet exposure, harden WAF/ACL controls, and enable anomaly detection. Since active exploitation is observed, patch high-risk assets within 24 hours.
Source	https://www.cisa.gov/known-exploited-vulnerabilities-catalog
Source	https://nvd.nist.gov/vuln/detail/CVE-2026-20963

Report A2: Newly Published CVEs (NVD, last 7 days)

CVE-2013-20005

CVE Title CVE-2013-20005 | 待核實 | Unknown Type

CVE Description Qool CMS 2.0 RC2 contains a cross-site request forgery vulnerability that allows attackers to perform administrative actions by tricking logged-in users into visiting malicious web pages. Attackers can forge POST requests to the /admin/adduser endpoint with parameters like username, password, email, and level to create root-level user accounts without user consent.

Affected Products 待核實

Risk Score 5.3 (MEDIUM)

Source <https://nvd.nist.gov/vuln/detail/CVE-2013-20005>

CVE-2013-20006

CVE Title CVE-2013-20006 | 待核實 | XSS

CVE Description Qool CMS contains multiple persistent cross-site scripting vulnerabilities in several administrative scripts where POST parameters are not properly sanitized before being stored and returned to users. Attackers can inject malicious JavaScript code through parameters like 'title', 'name', 'email', 'username', 'link', and 'task' in endpoints such as addnewtyp...

Affected Products 待核實

Risk Score 7.5 (HIGH)

Source <https://nvd.nist.gov/vuln/detail/CVE-2013-20006>

CVE-2015-20113

CVE Title CVE-2015-20113 | nextclickventures/realtyscript | XSS

CVE Description Next Click Ventures RealtyScript 4.0.2 contains cross-site request forgery and persistent cross-site scripting vulnerabilities that allow attackers to perform administrative actions and inject malicious scripts. Attackers can craft malicious web pages that execute unauthorized actions when logged-in users visit them, or inject persistent scripts that execute in the application context.

Affected Products nextclickventures/realtyscript

Risk Score 5.3 (MEDIUM)

Source <https://nvd.nist.gov/vuln/detail/CVE-2015-20113>

CVE-2015-20114

CVE Title CVE-2015-20114 | nextclickventures/realtyscript | XSS

CVE Description Next Click Ventures RealtyScript 4.0.2 contains a cross-site scripting vulnerability that allows attackers to execute arbitrary HTML and script code by injecting malicious input through multiple parameters that are not properly sanitized. Attackers can craft requests with injected script payloads in vulnerable parameters to execute code in users' browser sessions within the context of the affected application.

Affected Products nextclickventures/realtyscript

Risk Score 6.1 (MEDIUM)

Source <https://nvd.nist.gov/vuln/detail/CVE-2015-20114>

CVE-2015-20115

CVE Title CVE-2015-20115 | nextclickventures/realtyscript | Unknown Type

CVE Description Next Click Ventures RealtyScript 4.0.2 fails to properly sanitize file uploads, allowing attackers to store malicious scripts through the file POST parameter in admin/tools.php. Attackers can upload files containing JavaScript code that executes in the context of admin/tools.php when accessed by other users.

Affected Products nextclickventures/realtyscript

Risk Score 7.2 (HIGH)

Source <https://nvd.nist.gov/vuln/detail/CVE-2015-20115>

CVE-2015-20116

CVE Title CVE-2015-20116 | nextclickventures/realtyscript | XSS

CVE Description Next Click Ventures RealtyScript 4.0.2 fails to properly sanitize CSV file uploads, allowing attackers to inject malicious scripts through filename parameters in multipart form data. Attackers can upload files with XSS payloads in the filename field to execute arbitrary JavaScript in users' browsers when the file is processed or displayed.

Affected Products nextclickventures/realtyscript

Risk Score 6.1 (MEDIUM)

Source <https://nvd.nist.gov/vuln/detail/CVE-2015-20116>



Report B: Threat Intelligence News (last 7 days)

Headline: CTI-REALM: A new benchmark for end-to-end detection rule generation with AI agents

Source	Microsoft Security Blog
Published	Fri, 20 Mar 2026 16:19:00 +0000
Key Takeaway	CTI-REALM: A new benchmark for end-to-end detection rule generation with AI agents
Summary Engine	extractive-rules
Threat Actors	Not explicitly stated
Target	technology/待核實
Technique	待核實
MITRE ATT&CK	Unverified
Related CVEs	None
Link	https://www.microsoft.com/en-us/security/blog/2026/03/20/cti-realm-a-new-benchmark-for-end-to-end-detection-rule-generation-with-ai-agents/

Headline: Secure agentic AI end-to-end

Source Microsoft Security Blog

Published Fri, 20 Mar 2026 16:00:00 +0000

Key Takeaway Secure agentic AI end-to-end

Summary Engine extractive-rules

Threat Actors Not explicitly stated

Target technology/待核實

Technique 待核實

MITRE ATT&CK Unverified

Related CVEs None

Link <https://www.microsoft.com/en-us/security/blog/2026/03/20/secure-agentic-ai-end-to-end/>

Headline: CISA Issues Updated RESURGE Malware Analysis Highlighting a Stealthy but Active Threat

Source	CISA News
Published	Thu, 26 Feb 26 12:00:00 +0000
Key Takeaway	CISA Issues Updated RESURGE Malware Analysis Highlighting a Stealthy but Active Threat
Summary Engine	extractive-rules
Threat Actors	Not explicitly stated
Target	unknown-target
Technique	Malware Deployment
MITRE ATT&CK	Unverified
Related CVEs	None
Link	https://www.cisa.gov/news-events/news/cisa-issues-updated-resurge-malware-analysis-highlighting-stealthy-active-threat

Headline: Immediate Action Required: CISA Issues Emergency Directive to Secure Cisco SD-WAN Systems

Source	CISA News
Published	Wed, 25 Feb 26 12:00:00 +0000
Key Takeaway	Immediate Action Required: CISA Issues Emergency Directive to Secure Cisco SD-WAN Systems
Summary Engine	extractive-rules
Threat Actors	Not explicitly stated
Target	unknown-target
Technique	待核實
MITRE ATT&CK	Unverified
Related CVEs	None
Link	https://www.cisa.gov/news-events/news/immediate-action-required-cisa-issues-emergency-directive-secure-cisco-sd-wan-systems

Headline: The Proliferation of DarkSword: iOS Exploit Chain Adopted by Multiple Threat Actors

Source	Mandiant Blog
Published	Wed, 18 Mar 2026 14:00:00 +0000
Key Takeaway	Introduction Google Threat Intelligence Group (GTIG) has identified a new iOS full-chain exploit that leveraged multiple zero-day vulnerabilities to fully compromise devices. Based on toolmarks in recovered payloads, we believe the exploit chain to be called DarkSword. Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral movement.
Summary Engine	extractive-rules
Threat Actors	Sandworm
Target	government/uk
Technique	Malware Deployment
MITRE ATT&CK	Unverified
Related CVEs	CVE-2025-14174, CVE-2025-31277, CVE-2025-43510, CVE-2025-43520, CVE-2025-43529, CVE-2026-20700
Link	https://cloud.google.com/blog/topics/threat-intelligence/darksword-ios-exploit-chain/

Headline: Ransomware Under Pressure: Tactics, Techniques, and Procedures in a Shifting Threat Landscape

Source	Mandiant Blog
Published	Mon, 16 Mar 2026 14:00:00 +0000
Key Takeaway	Written by: Bavi Sadayappan, Zach Riddle, Ioana Teaca, Kimberly Goody, Genevieve Stark Introduction Since 2018, when many financially motivated threat actors began shifting their monetization strategy to post-compromise ransomware deployments, ransomware has become one of the most pervasive threats Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral move...
Summary Engine	extractive-rules
Threat Actors	ALPHV, Akira, Cl0p, LockBit
Target	government/europe
Technique	Social Engineering
MITRE ATT&CK	Unverified
Related CVEs	CVE-2019-6693, CVE-2021-27877, CVE-2021-27878, CVE-2021-40539, CVE-2023-4966, CVE-2024-21762, CVE-2024-3400, CVE-2024-37085, CVE-2024-40766, CVE-2024-55591, CVE-2025-31161, CVE-2025-31324, CVE-2025-53770, CVE-2025-53771, CVE-2025-61882, CVE-2025-8088
Link	https://cloud.google.com/blog/topics/threat-intelligence/ransomware-ttps-shifting-threat-landscape/

Headline: You have to invite them in

Source	Cisco Talos Blog
Published	Thu, 19 Mar 2026 18:00:34 GMT
Key Takeaway	You have to invite them in Blog Intelligence Center Intelligence Center BACK Intelligence Search Email & Spam Trends Vulnerability Research Vulnerability Research BACK Vulnerability Reports Microsoft Advisories Incident Response Incident Response BACK Reactive Services Proactive Services Emergency S Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral...
Summary Engine	extractive-rules
Threat Actors	Not explicitly stated
Target	unknown-target
Technique	待核實
MITRE ATT&CK	Unverified
Related CVEs	None
Link	https://blog.talosintelligence.com/you-have-to-invite-them-in/

Headline: Everyday tools, extraordinary crimes: the ransomware exfiltration playbook

Source Cisco Talos Blog

Published Thu, 19 Mar 2026 10:00:38 GMT

Key Takeaway Everyday tools, extraordinary crimes: the ransomware exfiltration playbook Blog Intelligence Center Intelligence Center BACK Intelligence Search Email & Spam Trends Vulnerability Research Vulnerability Research BACK Vulnerability Reports Microsoft Advisories Incident Response Incident Response BACK Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral...

Summary Engine extractive-rules

Threat Actors Not explicitly stated

Target cloud/待核實

Technique Ransomware

MITRE ATT&CK Unverified

Related CVEs None

Link <https://blog.talosintelligence.com/everyday-tools-extraordinary-crimes-the-ransomware-exfiltration-playbook/>

Headline: FBI Warns Russian Hackers Target Signal, WhatsApp in Mass Phishing Attacks

Source The Hacker News

Published Sat, 21 Mar 2026 18:47:00 +0530

Key Takeaway Threat actors affiliated with Russian Intelligence Services are conducting phishing campaigns to compromise commercial messaging applications (CMAs) like WhatsApp and Signal to seize control of accounts belonging to individuals with high intelligence value, the U.S. "The campaign FBI Warns Russian H Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/laterna..."

Summary Engine extractive-rules

Threat Actors Not explicitly stated

Target unknown-target

Technique Phishing

MITRE ATT&CK Unverified

Related CVEs None

Link <https://thehackernews.com/2026/03/fbi-warns-russian-hackers-target-signal.html>

Headline: Oracle Patches Critical CVE-2026-21992 Enabling Unauthenticated RCE in Identity Manager

Source The Hacker News

Published Sat, 21 Mar 2026 15:54:00 +0530

Key Takeaway Oracle has released security updates to address a critical security flaw impacting Identity Manager and Web Services Manager that could be exploited to achieve remote code execution. The vulnerability, tracked as CVE-2026-21992, carries a CVSS score of 9.8 out of a maximum of 10.0. Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral movement.

Summary Engine extractive-rules

Threat Actors Not explicitly stated

Target ot/待核實

Technique Exploit Chain

MITRE ATT&CK Unverified

Related CVEs CVE-2026-21992

Link <https://thehackernews.com/2026/03/oracle-patches-critical-cve-2026-21992.html>

Headline: Critical Quest KACE Vulnerability Potentially Exploited in Attacks

Source SecurityWeek

Published Sat, 21 Mar 2026 11:00:00 +0000

Key Takeaway The vulnerability is tracked as CVE-2025-32975 and it may have been exploited in attacks against the education sector. The post Critical Quest KACE Vulnerability Potentially Exploited in Attacks appeared first on SecurityWeek . Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral movement.

Summary Engine extractive-rules

Threat Actors Not explicitly stated

Target education/待核實

Technique Exploit Chain

MITRE ATT&CK Unverified

Related CVEs CVE-2025-32975

Link <https://www.securityweek.com/critical-quest-kace-vulnerability-potentially-exploited-in-attacks/>

Headline: In Other News: New Android Safeguards, Operation Alice, UK Toughens Cyber Reporting

Source	SecurityWeek
Published	Fri, 20 Mar 2026 15:57:30 +0000
Key Takeaway	Other noteworthy stories that might have slipped under the radar: vulnerabilities found in KVM devices, Claudy Day Claude vulnerabilities, The Gentlemen ransomware group. In Other News: New Android Safeguards, Operation Alice, UK Toughens Cyber Reporting - SecurityWeek SECURITYWEEK NETWORK: Cybersec Recommendation: prioritize vulnerable-version inventory, accelerate patching, and monitor anomalous logins/lateral mov...
Summary Engine	extractive-rules
Threat Actors	Not explicitly stated
Target	ot/uk
Technique	Ransomware
MITRE ATT&CK	Unverified
Related CVEs	None
Link	https://www.securityweek.com/in-other-news-new-android-safeguards-operation-alice-uk-toughens-cyber-reporting/

Sources (official/authoritative first)

<https://www.cisa.gov/known-exploited-vulnerabilities-catalog>

<https://nvd.nist.gov/>

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<https://www.mandiant.com/resources>

<https://blog.talosintelligence.com/>