

THREAT ADVISORY



**VULNERABILITY
REPORT**

**Text2Shell: Vulnerability like Log4Shell in
Apache Common Texts**

Date of Publication

October 18, 2022

Admiralty Code

A1

TA Number

TA2022228

Summary

A new vulnerability in Apache Commons Text has been named text2shell. The vulnerability allows unauthenticated attackers to remotely execute code on servers running affected applications. Due to the availability of the proof-of-concept, APT groups would be eager on exploiting it.

🔧 CVE

CVE	NAME	PATCH
CVE-2022-42889	RCE vulnerability in Apache Common Texts (Text2Shell)	✅

🔗 Potential MITRE ATT&CK TTPs

TA0002 Execution	T1059 Command and Scripting Interpreter	T1059.007 JavaScript	TA0001 Initial Access
T1190 Exploit Public-Facing Application			

Technical Details

Apache Commons Text supports variable interpolation for dynamic property evaluation and expansion. Interpolation is typically expressed as "\$[prefix:name]", where "prefix" refers to an instance of org.apache.commons.text.lookup.StringLookup will perform the interpolation. The default Lookup instances included interpolators that could result in arbitrary code execution.

Vulnerability Details

CVE ID	AFFECTED PRODUCTS	AFFECTED CPE	CWE ID
CVE-2022-42889	Apache Commons Text: 1.5 - 1.9	cpe:2.3:a:apache_foundation:text:*.:*:*:*:*:*	CWE-94

Patch Details

Upgrade to Apache Commons Text 1.10.0.

<https://lists.apache.org/thread/n2bd4vdsgkqh2tm14l1wyc3jyol7s1om>

References

<https://www.darkreading.com/application-security/researchers-keep-a-wary-eye-on-critical-new-vulnerability-in-apache-commons-text>

What Next?

Book a free demo with **HivePro Uni5** to check your exposure to this advisory. HivePro Uni5 is a Continuous Threat Exposure Management Solution that proactively reduces an organization's attack surface before it gets exploited.



At Hive Pro we take a long hard look at your vulnerabilities so you can bolster your defenses and fine-tune your offensive cybersecurity tactics.

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