CVE-2020-7961

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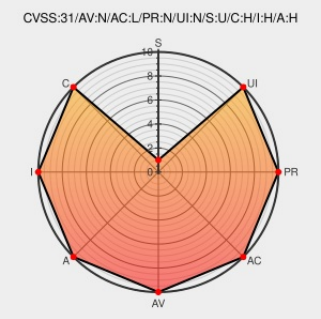
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Liferay Portal from Liferay contain the following vulnerability:

Deserialization of Untrusted Data in Liferay Portal prior to 7.2.1 CE GA2 allows remote attackers to execute arbitrary code via JSON web services (JSONWS).

CVE-2020-7961 has been assigned by cve@mitre.org to track the vulnerability - currently rated as CRITICAL severity.

CVSS3 Score: 9.8 - CRITICAL

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 7.5 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Known Vulnerabilities	Vendor Advisory, portal.liferay.dev, text/html	MISC portal.liferay.dev/learn/security/known-vulnerabilities
Liferay Portal Java Unmarshalling Remote Code	Third Party Advisory	MISC packetstormsecurity.com/files/157254/Liferay-

Execution ≈ Packet Storm	VDB Entry packetstormsecurity.com text/html	Portal-Java-Unmarshalling-Remote-Code-Execution.html
FreakOut – Leveraging Newest Vulnerabilities for creating a Botnet - Check Point Research	Exploit Third Party Advisory research.checkpoint.com text/html	MISC research.checkpoint.com/2021/freakout-leveraging-newest-vulnerabilities-for-creating-a-botnet/
Liferay Portal Remote Code Execution ≈ Packet Storm	Third Party Advisory VDB Entry packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/158392/Liferay-Portal-Remote-Code-Execution.html
CST-7205 Unauthenticated Remote code execution via JSONWS	Vendor Advisory portal.liferay.dev text/html	CONFIRM portal.liferay.dev/learn/security/known-vulnerabilities/-/asset_publisher/HbL5mxmVrnXW/content/id/117954271

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Liferay	Liferay Portal	All	All	All	All

cpe:2.3:a:liferay:liferay_portal:*:*:*:*:community:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@papa_anniekey	これとは別で、殆ど注目されていませんが、Liferay Portalに対するDeserializedの脆弱性（CVE-2020-7961）を突く攻撃（Unauth + RCE)も広く観測しています。こちらも簡単に刺さるので注意です。	2021-04-06 23:05:47
@NeobeePaul	synacktiv.com/en/publication…	2021-04-07 01:02:23
@ipssignatures	It's new to me that McAfee has a protection/signature/rule for the vulnerability CVE-2020-7961.… twitter.com/i/web/status/1…	2021-06-16 07:02:02
@ipssignatures	I know 6 other IPSs that have protections/signatures/rules for the vulnerability CVE-2020-7961. ipssignatures.appspot.com/?cve=CVE-2020-… #Sn4xpm7pmjmzqu	2021-06-16 07:02:02
@devesh2003	@stokfredrik synacktiv.com/en/publication…	2021-07-09 04:50:20
@buaqbot	Liferay Portal CE 反序列化命令执行漏洞（CVE-2020-7961） ift.tt/3Dfaxzd ift.tt/2WpMPjd	2021-08-25 05:11:15
@hiramcoop	Liferay en su versión 7.1.10, tiene la vulnerabilidad CVE-2020-7961, usada por el malware Kinsing para inyectar min… twitter.com/i/web/status/1…	2021-09-21 20:28:08

@AttilaDeak01	2/2 CVE-2021-38647,3 CVE-2020-28188,2 CVE-2017-9805,1 CVE-2019-12725,1 CVE-2020-7961,1	2021-10-02 18:11:58
@th3_protoCOL	Threat Actor leveraging open source tools to target Liferay Portals via CVE-2020-7961 ⚠ Exploit:… twitter.com/i/web/status/1…	2021-10-04 17:56:36
@th3_protoCOL	I wonder if @GreyNoiseIO has tags for CVE-2020-7961 scanning ? https://t.co/bG2vGYm6sj	2021-10-04 19:02:28
@chybeta	; + CVE-2020-7961 = RCE https://t.co/AFMwrIuaPh	2021-11-28 15:32:29
@Har_sia	CVE-2020-7961 har-sia.info/CVE-2020-7961.… #HarsiaInfo	2021-11-29 23:00:04
@Arkbird_SOLG	The Ukrainian IP is also active for exploit the CVE-2020-7961 vulnerability and deploy Kinsing implant. This uses… twitter.com/i/web/status/1…	2021-12-10 21:53:57
@TekDefense	For those that don't have yara rules in VT for this stuff, this VT query will help you get an initial thread to pull: tag:cve-2020-7961	2022-10-04 14:15:07

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