CVE-2020-14756

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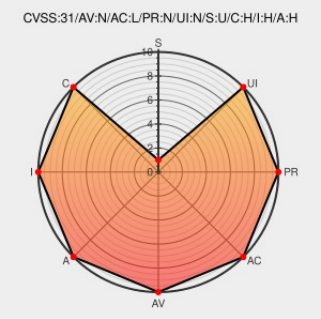
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Coherence from Oracle contain the following vulnerability:

Vulnerability in the Oracle Coherence product of Oracle Fusion Middleware (component: Core Components). Supported versions that are affected are 3.7.1.0, 12.1.3.0.0, 12.2.1.3.0, 12.2.1.4.0 and 14.1.1.0.0. Easily exploitable vulnerability allows unauthenticated attacker with network access via IIOP, T3 to compromise Oracle Coherence. Successful attacks of this vulnerability can result in takeover of Oracle Coherence. CVSS 3.1 Base Score 9.8 (Confidentiality, Integrity and Availability impacts). CVSS Vector: (CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H).

CVE-2020-14756 has been assigned by secalert_us@oracle.com 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

Oracle Critical Patch Update Advisory - January 2022	www.oracle.com text/html	MISC www.oracle.com/security-alerts/cpujan2022.html
Oracle Critical Patch Update Advisory - January 2021	Vendor Advisory www.oracle.com text/html	MISC www.oracle.com/security-alerts/cpujan2021.html

There are currently no QIDs associated with this CVE

Exploit/POC from Github

CVE-2021-1994、CVE-2021-2047、CVE-2021-2064、CVE-2021-2108、CVE-2021-2075、CVE-2019-17195、CVE-2020-14756、CVE-2021-2109

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Oracle	Coherence	12.1.3.0.0	All	All	All
Application	Oracle	Coherence	12.2.1.3.0	All	All	All
Application	Oracle	Coherence	12.2.1.4.0	All	All	All
Application	Oracle	Coherence	14.1.1.0.0	All	All	All
Application	Oracle	Coherence	3.7.1.0	All	All	All
Application	Oracle	Coherence	12.1.3.0.0	All	All	All
Application	Oracle	Coherence	12.2.1.3.0	All	All	All
Application	Oracle	Coherence	12.2.1.4.0	All	All	All
Application	Oracle	Coherence	14.1.1.0.0	All	All	All
Application	Oracle	Coherence	3.7.1.0	All	All	All
Application	Oracle	Utilities Framework	4.2.0.2.0	All	All	All
Application	Oracle	Utilities Framework	4.2.0.3.0	All	All	All
Application	Oracle	Utilities Framework	4.4.0.0.0	All	All	All
Application	Oracle	Utilities Framework	4.4.0.2.0	All	All	All
Application	Oracle	Utilities Framework	4.4.0.3.0	All	All	All
Application	Oracle	Utilities Framework	All	All	All	All

cpe:2.3:a:oracle:coherence:12.1.3.0.0:*:*:*:*:*:*:*

cpe:2.3:a:oracle:coherence:12.2.1.3.0:*:*:*:*:*:*:*

cpe:2.3:a:oracle:coherence:12.2.1.4.0:*:*:*:*:*:*:*

cpe:2.3:a:oracle:coherence:14.1.1.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:coherence:3.7.1.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:coherence:12.1.3.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:coherence:12.2.1.3.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:coherence:12.2.1.4.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:coherence:14.1.1.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:coherence:3.7.1.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:utilities_framework:4.2.0.2.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:utilities_framework:4.2.0.3.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:utilities_framework:4.4.0.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:utilities_framework:4.4.0.2.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:utilities_framework:4.4.0.3.0:*:*:*:*:*:*:*:

cpe:2.3:a:oracle:utilities_framework:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@ipssignatures	It's new to me that Astaro has a protection/signature/rule for the vulnerability CVE-2020-14756.… twitter.com/i/web/status/1…	2021-04-10 15:02:01
@ipssignatures	I know 2 other IPSs that have protections/signatures/rules for the vulnerability CVE-2020-14756. ipssignatures.appspot.com/?cve=CVE-2020-… #Sokanu5z6dacq4	2021-04-10 15:02:02
@Har_sia	CVE-2020-14756 har-sia.info/CVE-2020-14756… #HarsiaInfo	2021-04-11 18:30:03
@buaqbot	WebLogic CVE-2020-14756 T3/IIOP 反序列化RCE ift.tt/0oIKluU ift.tt/SwP6vjt	2022-03-11 03:38:14

← Previous ID

Next ID→