

Alcatel-Lucent Security Advisory No. SA-C0068 Ed. 06 - CVE-2021-44228

Summary

A vulnerability has been discovered in Apache Log4j2 JNDI features used in configuration, log messages, and parameters that do not protect against attacker controlled LDAP and other JNDI related endpoints. An attacker who can control log messages or log message parameters can execute arbitrary code loaded from LDAP servers when message lookup substitution is enabled.

References

Reference: CVE-2021-44228

Date: Dec10th, 2021

Risk: High

Impact: Execute arbitrary code

Attack expertise: Skilled

Attack requirements: Remote

CVSS score: 10.0 (critical)

Affected versions : $\geq 2.0\text{-beta9}$ and $\leq 2.14.1$

Fixed version: 2.15.0

<https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2021-44228>

Description of the vulnerability

The vulnerability allows an attacker to inject arbitrary code in a payload to ask Log4J get access to data coming from a 3rd party. As Log4J do not check imported data for any non-allowed content (like commands), it allows the attack to be ran.

Impacts

Depending on the 3rd party service invoked, the impact may differ.

Special note

Although this Security Advisory has been triggered by initial CVE-2021-44228, the following status cover, in terms of risk, impact and action recommended by ALE, the CVE-2021-44228 and the CVE-2021-45046.

Status on Alcatel-Lucent Enterprise Communication products

List of products and releases

Product	Versions	Affected	Impact	Remediation
OmniPCX Enterprise	All	No	N/A	N/A
OmniPCX Office/ OXO Connect/ OXO Connect Evolution	All	No	N/A	N/A
OMC /OHL/OLD PIMPhony/AST/Labset	All	No	N/A	N/A
OmniVista 8770	All	No	N/A	N/A
Cloud Connect	All	No	N/A	N/A
OpenTouch	All	Yes	*	Hotfix (1)
GAS Server (WebRTC GW, OMS, OS)	All	No	N/A	N/A
VAA	All	No	N/A	N/A
VNA	All	Yes	*	Upgrade (2)
O2G	All	No	N/A	N/A
EDS/EPG/Pegasus	All	No	N/A	N/A
4059/IP 4059EE	All	No	N/A	N/A
OTEC (8770)	All	No	N/A	N/A
IPDongle (RPI)	All	No	N/A	N/A
OTSBC	All	No	N/A	N/A
ALE Connect	All	No	N/A	N/A
OTCS	All	No	N/A	N/A
CCivr/CCS/CCA	All	No	N/A	N/A
ASM (Agent Selection Module)	All	No	N/A	N/A
TSAPI	All	No	N/A	N/A
Fax Server (OTFC)	9.0 (3)	Yes	*	*
ENS	All	No	N/A	N/A
IQ Messenger	*	Yes	*	(4)
Soft panel Manager	All	No	N/A	N/A
OmniPCX Record	All	No	N/A	N/A
IPDSP	(5)	Yes	*	(5)
ManageMyPhone	All	No	N/A	N/A
SelfCare	All	No	N/A	N/A
CMMI	All	No	N/A	N/A
MGS	All	No	N/A	N/A
SGA	All	No	N/A	N/A
AVBS	All	No	N/A	N/A
ClickToConnect	All	No	N/A	N/A
Calendar	All	No	N/A	N/A
Dispatch Console	All	Yes	*	*

* : analysis ongoing

3 rd P Product	Version	Affected	Impact	Remediation
FlexLM	All	No	N/A	N/A

Status on Alcatel-Lucent Enterprise Network products

List of products and releases

Product	Version	Affected	Impact	Remediation
PALM	Cloud	No	N/A	N/A
Subscription Manager	Cloud	No	N/A	N/A
Agnostic Data Lake	Cloud	No	N/A	N/A
Asset Tracking	Cloud	Yes	*	*
OV Cirrus	10.1	Yes	Affected monitoring service has been stopped	*
OV Cirrus	4.6R1	No	N/A	N/A
OV 2500	4.6R1 or earlier	No	N/A	N/A
Ucopia	All	No	N/A	N/A
Clearpass	All	No	N/A	N/A
OV3600	All	No	N/A	N/A
LBS	Cloud	No	N/A	N/A
RAP Appliance	All	No	N/A	N/A
NaaS	Cloud	Yes	*	*
Titan SD-WAN	Cloud	No	N/A	N/A
OmniSwitch	All models except OS2220	No	N/A	N/A
OmniSwitch	OS2220	*	*	*
OmniAccess Stellar AP	All	No	N/A	N/A
OmniAccess WLAN APs & Controllers	All	No	N/A	N/A

* : analysis ongoing

Status on Alcatel-Lucent Enterprise Cloud products

List of products and releases

Product	Version	Affected	Impact	Remediation
Rainbow UCaaS/CPaaS/Edge/HDS/Hub	All	No	N/A	N/A
Rainbow Office	https://www.ringcentral.com/trust-center/security-bulletin.html			

Temporary remediation for Alcatel-Lucent Enterprise affected products

To confirm depending on affected products

Resolution for Alcatel-Lucent Enterprise affected products

(1) OpenTouch Solutions

- ALE has communicated on process to follow in the TKC.
- For Customers, please contact your ALE Partner that will help you identifying the vulnerability impact and short-term remediation.

(2) VNA

- Upgraded version to be delivered the 17th of Dec' 2021

(3) OTFC

- OTFC version 7.6 is not vulnerable.
- Remediation for latest version is available. For partners, please refer to the corresponding bulletin available on MyPortal.

(4) IQ Messenger

- Fix version will be 11.3.1, available the 20th Dec' 21 (embed log4j R2.16)
- ALE has communicated on process to follow.
- For Customers, please contact your ALE Partner that will help you to apply remediation.

(5) IPDSP

- Version 12.0.1 : not impacted by CVE-2021-44228
- Version 12.1.1 official fix version, available on the 23rd (embed log4j R2.16)

History

Ed.01 (2021 December 13th): creation

Ed.02 (2021 December 13th): Update on CBD solutions, add of NBD and CCBD solutions

Ed.03 (2021 December 14th): All solutions update, add of Rainbow Office

Ed.04 (2021 December 15^h): CBD & NBD solutions updates

Ed.05 (2021 December 16^h): CBD & NBD solutions updates, added reference to CVE-2021-45046.

Ed.06 (2021 December 17^h): CBD solutions updates