An official website of the United States government Here's how you know

NST

■ NVD MENU

<u>Information Technology Laboratory</u>

NATIONAL VULNERABILITY DATABASE

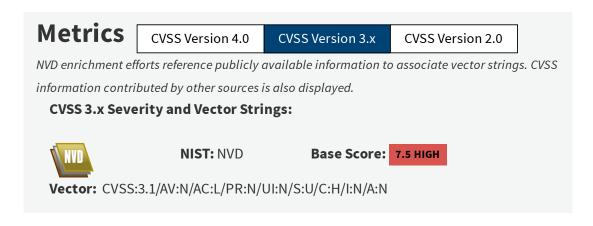


VULNERABILITIES

₩CVE-2021-41773 Detail

Description

A flaw was found in a change made to path normalization in Apache HTTP Server 2.4.49. An attacker could use a path traversal attack to map URLs to files outside the directories configured by Alias-like directives. If files outside of these directories are not protected by the usual default configuration "require all denied", these requests can succeed. If CGI scripts are also enabled for these aliased pathes, this could allow for remote code execution. This issue is known to be exploited in the wild. This issue only affects Apache 2.4.49 and not earlier versions. The fix in Apache HTTP Server 2.4.50 was found to be incomplete, see CVE-2021-42013.



References to Advisories, Solutions, and Tools

By selecting these links, you will be leaving NIST webspace. We have provided these links to other web sites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other web sites that are more appropriate for your purpose. NIST does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, NIST does not endorse any commercial products that may be mentioned on these sites. Please address comments about this page to nvd@nist.gov.

Hyperlink Resource http://packetstormsecurity.com/files/164418/Apache-HTTP-Server-2.4.49-Path-Traversal-Remote-Code-Execution.html **Exploit** Third Party Adviso (VDB Entry) http://packetstormsecurity.com/files/164418/Apache-HTTP-Server-2.4.49-Path-Traversal.html Exploit Third Party Adviso VDB Entry http://packetstormsecurity.com/files/164629/Apache-2.4.49-2.4.50-Traversal-Remote-Code-Execution.html **Exploit** Third Party Adviso (VDB Entry) http://packetstormsecurity.com/files/164941/Apache-HTTP-Server-2.4.50-Remote-Code-Execution.html Exploit Third Party Adviso VDB Entry http://www.openwall.com/lists/oss-security/2021/10/05/2 (Mailing List

CVE Dictionary Entry:

CVE-2021-41773

NVD Published Date:

10/05/2021

NVD Last Modified:

07/26/2024

Source:

Apache Software Foundation

Third Party Adviso

http://www.openwall.com/lists/oss-security/2021/10/07/1	Mailing List Third Party Advisor
http://www.openwall.com/lists/oss-security/2021/10/07/6	Mailing List Third Party Advisor
http://www.openwall.com/lists/oss-security/2021/10/08/1	Exploit Mailing List Third Party Advise
http://www.openwall.com/lists/oss-security/2021/10/08/2	Mailing List Third Party Advise
http://www.openwall.com/lists/oss-security/2021/10/08/3	Exploit Mailing List Third Party Advise
http://www.openwall.com/lists/oss-security/2021/10/08/4	Mailing List Third Party Advise
http://www.openwall.com/lists/oss-security/2021/10/08/5	Mailing List Third Party Advisor
http://www.openwall.com/lists/oss-security/2021/10/08/6	Mailing List Third Party Advise
http://www.openwall.com/lists/oss-security/2021/10/09/1	Mailing List Third Party Advise
http://www.openwall.com/lists/oss-security/2021/10/11/4	Mailing List Pat
http://www.openwall.com/lists/oss-security/2021/10/15/3	Mailing List Party Third Party Advisor
http://www.openwall.com/lists/oss-security/2021/10/16/1	Mailing List Third Party Advis
https://httpd.apache.org/security/vulnerabilities_24.html	Release Notes Vendor Advisory
https://lists.apache.org/thread.html/r17a4c6ce9aff662efd9459e9d1850ab4a611cb23392fc68264c72cb3%40%3Ccvs.httpd.apache.org%3E	Mailing List Par
https://lists.apache.org/thread.html/r6abf5f2ba6f1aa8b1030f95367aaf17660c4e4c78cb2338aee18982f%40%3Cusers.httpd.apache.org%3E	Mailing List
https://lists.apache.org/thread.html/r7c795cd45a3384d4d27e57618a215b0ed19cb6ca8eb070061ad5d837%40%3Cannounce.apache.org%3E	Mailing List
https://lists.apache.org/thread.html/r98d704ed4377ed889d40479db79ed1ee2f43b2ebdd79ce84b042df45%40%3Cannounce.apache.org%3l	
https://lists.apache.org/thread.html/rb5b0e46f179f60b0c70204656bc52fcb558e961cb4d06a971e9e3efb%40%3Cusers.httpd.apache.org%3E	
https://lists.fedoraproject.org/archives/list/package-	Release Notes
announce%40lists.fedoraproject.org/message/RMIIEFINL6FUIOPD2A3M5XC6DH45Y3CC/	Mercuse Notes
https://lists.fedoraproject.org/archives/list/package-announce%40lists.fedoraproject.org/message/WS5RVHOIIRECG65ZBTZY7IEJVWQSQPG3/	Release Notes
https://security.gentoo.org/glsa/202208-20	Third Party Advis
https://security.netapp.com/advisory/ntap-20211029-0009/	Third Party Advis
https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-apache-httpd-pathtrv-LAzg68cZ	Third Party Advis
https://www.oracle.com/security-alerts/cpujan2022.html	Patch Third Party Advis

This CVE is in CISA's Known Exploited Vulnerabilities Catalog

Reference CISA's BOD 22-01 and Known Exploited Vulnerabilities Catalog for further guidance and requirements.

Vulnerability Name	Date Added	Due Date	Required Action
Apache HTTP Server Path	11/03/2021	11/17/2021	Apply updates per
Traversal Vulnerability			vendor instructions.

Weakness Enumeration

CWE-ID	CWE Name	Source
CWE-22	Improper Limitation of a Pathname to a	NIST Apache
	Restricted Directory ('Path Traversal')	Software Foundation

Known Affected Software Configurations

Switch to CPE 2.2

Configuration 1 (<u>hide</u>)

cpe:2.3:a:apache:http_server:2.4.49:*:*:*:*:*: Show Matching CPE(s)▼

Configuration 2 (<u>hide</u>)

cpe:2.3:o:fedoraproject:fedora:34:*:*:*:*:*:* Show Matching CPE(s)▼ # cpe:2.3:o:fedoraproject:fedora:35:*:*:*:*:*:* Show Matching CPE(s)▼

Configuration 3 (<u>hide</u>)

cpe:2.3:a:oracle:instantis_enterprisetrack:17.1:*:*:*:*:*:* Show Matching CPE(s)▼ # cpe:2.3:a:oracle:instantis_enterprisetrack:17.2:*:*:*:*:*: <u>Show Matching CPE(s)</u>▼ 集 cpe:2.3:a:oracle:instantis_enterprisetrack:17.3:*:*:*:*:*:*: Show Matching CPE(s)▼

Configuration 4 (<u>hide</u>)

cpe:2.3:a:netapp:cloud_backup:-:*:*:*:*:*:* Show Matching CPE(s)▼

🐺 Denotes Vulnerable Software

Are we missing a CPE here? Please let us know.

Change History











HEADQUARTERS 100 Bureau Drive Gaithersburg, MD 20899 (301) 975-2000

Webmaster | Contact Us | Our Other Offices

Incident Response Assistance and Non-NVD Related Technical Cyber Security Questions: US-CERT Security Operations Center

Email: soc@us-cert.gov Phone: 1-888-282-0870

Site Privacy | Accessibility | Privacy Program | Copyrights | Vulnerability Disclosure | No Fear Act Policy | FOIA | Environmental Policy | Scientific Integrity | Information Quality Standards | Commerce.gov | Science.gov | USA.gov