



# CVE-2020-7071

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2020-7071
<b>State</b>	PUBLIC
<b>Assigner</b>	security@php.net
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-02-15 04:15:00 UTC
<b>Updated</b>	2022-08-29 20:05:00 UTC
<b>Description</b>	In PHP versions 7.3.x below 7.3.26, 7.4.x below 7.4.14 and 8.0.0, when validating URL with functions like filter_var(\$url, FILTER_VALIDATE_URL), the filter function does not properly validate the URL, leading to a denial of service (DoS) attack.

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	9.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Application	<a href="#">Netapp</a>	<a href="#">Clustered Data Ontap</a>	-	All	All	All
Application	<a href="#">Php</a>	<a href="#">Php</a>	All	All	All	All
Application	<a href="#">Php</a>	<a href="#">Php</a>	All	All	All	All

## References

Reference	Source	Link	Tags
February 2021 PHP Vulnerabilities in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.com</a>	
[SECURITY] [DLA 2708-1] php7.0 security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>	
Debian -- Security Information -- DSA-4856-1 php7.3	DEBIAN	<a href="https://www.debian.org">www.debian.org</a>	Third Party
[R1] Tenable.sc 5.19.0 Fixes Multiple Third-party Vulnerabilities - Security Advisory   Tenable®	CONFIRM	<a href="https://www.tenable.com">www.tenable.com</a>	
Oracle Critical Patch Update Advisory - October 2021	MISC	<a href="https://www.oracle.com">www.oracle.com</a>	
PHP :: Sec Bug #77423 :: FILTER_VALIDATE_URL accepts URLs with invalid userinfo	CONFIRM	<a href="https://bugs.php.net">bugs.php.net</a>	Exploit, DoS
PHP: Multiple vulnerabilities (GLSA 202105-23) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical

## Vendor Comments And Credit

### Discovery Credit

**LEGACY:** Reported by jifan dot jf at alibaba-inc dot com

## Legacy QID Mappings

<a href="#">150382</a> PHP Multiple Vulnerabilities (CVE-2020-7071,CVE-2021-21702)
<a href="#">159470</a> Oracle Enterprise Linux Security Update for php:7.4 (ELSA-2021-4213)
<a href="#">178707</a> Debian Security Update for php7.0 (DLA 2708-1)
<a href="#">198429</a> Ubuntu Security Notification for Hypertext Preprocessor vulnerabilities (USN-5006-1)
<a href="#">239528</a> Red Hat Update for rh-php73-php (RHSA-2021:2992)
<a href="#">239829</a> Red Hat Update for php:7.4 security (RHSA-2021:4213)
<a href="#">296069</a> Oracle Solaris 11.4 Support Repository Update (SRU) 31.88.5 Missing (CPUJAN2021)
<a href="#">501141</a> Alpine Linux Security Update for php7
<a href="#">501660</a> Alpine Linux Security Update for php7
<a href="#">670246</a> EulerOS Security Update for php (EulerOS-SA-2021-1830)
<a href="#">670664</a> EulerOS Security Update for php (EulerOS-SA-2021-2423)
<a href="#">670892</a> EulerOS Security Update for Hypertext Preprocessor (PHP) (EulerOS-SA-2021-1163)
<a href="#">710093</a> Gentoo Linux Hypertext Preprocessor Multiple vulnerabilities (GLSA 202105-23)
<a href="#">750411</a> OpenSUSE Security Update for php7 (openSUSE-SU-2021:0106-1)
<a href="#">750413</a> OpenSUSE Security Update for php7 (openSUSE-SU-2021:0101-1)
<a href="#">752878</a> SUSE Enterprise Linux Security Update for php7 (SUSE-SU-2022:4067-1)
<a href="#">752898</a> SUSE Enterprise Linux Security Update for php7 (SUSE-SU-2022:4069-1)
<a href="#">752901</a> SUSE Enterprise Linux Security Update for php74 (SUSE-SU-2022:4068-1)
<a href="#">901173</a> Common Base Linux Mariner (CBL-Mariner) Security Update for Hypertext Preprocessor (PHP) (7323)
<a href="#">940558</a> AlmaLinux Security Update for php:7.4 (ALSA-2021:4213)
<a href="#">960309</a> Rocky Linux Security Update for php:7.4 (RLSA-2021:4213)

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