



# CVE-2020-27770

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

## Summary

<b>CVE</b>	CVE-2020-27770
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2020-12-04 15:15:00 UTC
<b>Updated</b>	2023-03-11 23:15:00 UTC
<b>Description</b>	Due to a missing check for 0 value of `replace_extent`, it is possible for offset `p` to overflow in SubstituteString(), causing p

## Risk And Classification

**Problem Types:** CWE-190

## 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>	9.0	All	All	All
Application	<a href="#">Imagemagick</a>	<a href="#">Imagemagick</a>	All	All	All	All
Application	<a href="#">Imagemagick</a>	<a href="#">Imagemagick</a>	All	All	All	All

## References

Reference	Source	Link
1894691 – (CVE-2020-27770) CVE-2020-27770 ImageMagick: unsigned offset overflowed at MagickCore/string.c	MISC	<a href="#">bugzilla.redh</a>
[SECURITY] [DLA 2602-1] imagemagick security update	MLIST	<a href="#">lists.debian.</a>
[SECURITY] [DLA 3357-1] imagemagick security update	MLIST	<a href="#">lists.debian.</a>
CVE Program record	CVE.ORG	<a href="#">www.cve.or</a>
NVD vulnerability detail	NVD	<a href="#">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[178502](#) Debian Security Update for imagemagick (DLA 2602-1)

[181625](#) Debian Security Update for imagemagick (DLA 3357-1)

<a href="#">198406</a> Ubuntu Security Notification for ImageMagick vulnerabilities (USN-4988-1)
<a href="#">671560</a> EulerOS Security Update for ImageMagick (EulerOS-SA-2022-1536)
<a href="#">671612</a> EulerOS Security Update for ImageMagick (EulerOS-SA-2022-1570)
<a href="#">671705</a> EulerOS Security Update for ImageMagick (EulerOS-SA-2022-1731)
<a href="#">750398</a> OpenSUSE Security Update for ImageMagick (openSUSE-SU-2021:0148-1)
<a href="#">750404</a> OpenSUSE Security Update for ImageMagick (openSUSE-SU-2021:0136-1)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

**CVE.report and Source URL Uptime Status** [status.cve.report](#)