Security update for ghostscript

Announcement ID:	SUSE-SU-2024:3942-1
Release Date:	2024-11-07T10:11:51Z
Rating:	important
References:	bsc#1232265 (https://bugzilla.suse.com/show_bug.cgi?id=1232265) bsc#1232267 (https://bugzilla.suse.com/show_bug.cgi?id=1232267) bsc#1232269 (https://bugzilla.suse.com/show_bug.cgi?id=1232269) bsc#1232270 (https://bugzilla.suse.com/show_bug.cgi?id=1232270)
Cross-References:	CVE-2024-46951 (https://www.suse.com/security/cve/CVE-2024-46951.html) CVE-2024-46953 (https://www.suse.com/security/cve/CVE-2024-46953.html) CVE-2024-46955 (https://www.suse.com/security/cve/CVE-2024-46955.html) CVE-2024-46956 (https://www.suse.com/security/cve/CVE-2024-46956.html)
CVSS scores:	CVE-2024-46951 (SUSE): 7.8 CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H CVE-2024-46953 (SUSE): 7.8 CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H CVE-2024-46955 (SUSE): 5.5 CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H CVE-2024-46956 (SUSE): 7.8 CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
Affected Products:	SUSE Linux Enterprise High Performance Computing 12 SP5 SUSE Linux Enterprise Server 12 SP5 SUSE Linux Enterprise Server 12 SP5 LTSS 12-SP5 SUSE Linux Enterprise Server 12 SP5 LTSS Extended Security 12-SP5 SUSE Linux Enterprise Server for SAP Applications 12 SP5

An update that solves four vulnerabilities can now be installed.

Description:

This update for ghostscript fixes the following issues:

- CVE-2024-46951: Fixed arbitrary code execution via unchecked "Implementation" pointer in "Pattern" color space (bsc#1232265).
- CVE-2024-46953: Fixed integer overflow when parsing the page format results in path truncation, path traversal, code execution (bsc#1232267).
- CVE-2024-46956: Fixed arbitrary code execution via out of bounds data access in filenameforall (bsc#1232270).
- CVE-2024-46955: Fixed out of bounds read when reading color in "Indexed" color space (bsc#1232269).

Patch Instructions:

To install this SUSE update use the SUSE recommended installation methods like YaST online_update or "zypper patch".
Alternatively you can run the command listed for your product:

SUSE Linux Enterprise Server 12 SP5 LTSS 12-SP5

```
zypper in -t patch SUSE-SLE-SERVER-12-SP5-LTSS-2024-3942=1
```

SUSE Linux Enterprise Server 12 SP5 LTSS Extended Security 12-SP5

```
zypper in -t patch SUSE-SLE-SERVER-12-SP5-LTSS-EXTENDED-SECURITY-2024-3942=1
```

Package List:

- SUSE Linux Enterprise Server 12 SP5 LTSS 12-SP5 (aarch64 ppc64le s390x x86_64)
  - ghostscript-debugsource-9.52-23.86.1
  - ghostscript-x11-9.52-23.86.1
  - ghostscript-x11-debuginfo-9.52-23.86.1
  - ghostscript-9.52-23.86.1
  - ghostscript-debuginfo-9.52-23.86.1
  - ghostscript-devel-9.52-23.86.1
- SUSE Linux Enterprise Server 12 SP5 LTSS Extended Security 12-SP5 (x86_64)
  - ghostscript-debugsource-9.52-23.86.1
  - ghostscript-x11-9.52-23.86.1
  - ghostscript-x11-debuginfo-9.52-23.86.1
  - ghostscript-9.52-23.86.1
  - ghostscript-debuginfo-9.52-23.86.1
  - ghostscript-devel-9.52-23.86.1

References:

- https://www.suse.com/security/cve/CVE-2024-46951.html (https://www.suse.com/security/cve/CVE-2024-46951.html)
- https://www.suse.com/security/cve/CVE-2024-46953.html (https://www.suse.com/security/cve/CVE-2024-46953.html)
- https://www.suse.com/security/cve/CVE-2024-46955.html (https://www.suse.com/security/cve/CVE-2024-46955.html)

- https://www.suse.com/security/cve/CVE-2024-46956.html (https://www.suse.com/security/cve/CVE-2024-46956.html)
- https://bugzilla.suse.com/show_bug.cgi?id=1232265 (https://bugzilla.suse.com/show_bug.cgi?id=1232265)
- https://bugzilla.suse.com/show_bug.cgi?id=1232267 (https://bugzilla.suse.com/show_bug.cgi?id=1232267)
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