CVE-2021-41270

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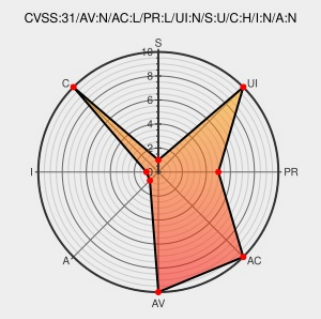
CVE-2021-41270 - advisory for GHSA-2xhg-w2g5-w95x

Source: Mitre | Source: Nist | Print: PDF



Certain versions of Fedora from Fedoraproject contain the following vulnerability:

Symfony/Serializer handles serializing and deserializing data structures for Symfony, a PHP framework for web and console applications and a set of reusable PHP components. Symfony versions 4.1.0 before 4.4.35 and versions 5.0.0 before 5.3.12 are vulnerable to CSV injection, also known as formula injection. In Symfony 4.1, maintainers added the opt-in `csv_escape_formulas` option in the `CsvEncoder`, to prefix all cells starting with `=`, `+`, `-` or `@` with a tab `\t`. Since then, OWASP added 2 chars in that list: Tab (0x09) and Carriage return (0x0D). This makes the previous prefix char (Tab `\t`) part of the vulnerable characters, and OWASP suggests using the single quote `'` for prefixing the value. Starting with versions 4.4.34 and 5.3.12, Symfony now follows the OWASP recommendations and uses the single quote `'` to prefix formulas and add the prefix to cells starting by `\t`, `\r` as well as `=`, `+`, `-` and `@`.

CVE-2021-41270 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **symfony** - **symfony** version **>= 4.1.0, < 4.4.35**

Affected Vendor/Software: **symfony** - **symfony** version **>= 5.0.0, < 5.3.12**

CVSS3 Score: 6.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	NONE	NONE

CVSS2 Score: 4 - MEDIUM

Access Vector	Access Complexity	Authentication

Vector	Complexity	
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Prevent CSV Injection via formulas · Advisory · symfony/symfony · GitHub	github.com text/html	CONFIRM github.com/symfony/symfony/security/advisories/GHSA-2xhg-w2g5-w95x
[SECURITY] Fedora 34 Update: php-symfony4-4.4.35-1.fc34 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-0294e8ca24
Release v5.3.12 · symfony/symfony · GitHub	github.com text/html	MISC github.com/symfony/symfony/releases/tag/v5.3.12
[SECURITY] Fedora 35 Update: php-symfony4-4.4.35-1.fc35 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-10fd47b32d
Release v5.3.12 by fabpot · Pull Request #44243 · symfony/symfony · GitHub	github.com text/html	MISC github.com/symfony/symfony/pull/44243
Use single quote to escape formulas · symfony/symfony@3da6f2d · GitHub	github.com text/html	MISC github.com/symfony/symfony/commit/3da6f2d45e7536ccb2a26f52fbaf340917e208a8

Related QID Numbers

282093 Fedora Security Update for Hypertext Preprocessor (PHP) (FEDORA-2021-0294e8ca24)

282135 Fedora Security Update for Hypertext Preprocessor (PHP) (FEDORA-2021-10fd47b32d)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Application	Sensiolabs	Symfony	All	All	All	All

cpe:2.3:o:fedoraproject:fedora:34:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:35:*:*:*:*:*:*:*:

cpe:2.3:a:sensiolabs:symfony:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@symfony	CVE-2021-41270: Prevent CSV Injection via formulas symfony.com/blog/cve-2021-… #symfony	2021-11-24 09:13:12
@websagiles	CVE-2021-41270: Prevent CSV Injection via formulas dlvr.it/SD5tBk https://t.co/gEyzx0rRRN	2021-11-24 11:13:41
@CVEreport	CVE-2021-41270 : Symfony/Serializer handles serializing and deserializing data structures for Symfony, a PHP framew… twitter.com/i/web/status/1…	2021-11-24 19:11:53
/r/symfony	CVE-2021-41270: Prevent CSV Injection via formulas	2021-11-24 10:00:10

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