CVE-2022-39224

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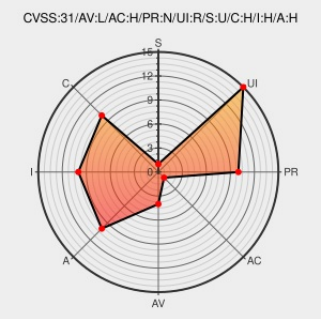
CVE-2022-39224 - advisory for GHSA-88cv-mj24-8w3q

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ruby-arr-pm from Ruby-arr-pm Project contain the following vulnerability:

Arr-pm is an RPM reader/writer library written in Ruby. Versions prior to 0.0.12 are subject to OS command injection resulting in shell execution if the RPM contains a malicious "payload compressor" field. This vulnerability impacts the `extract` and `files` methods of the `RPM::File` class of this library. Version 0.0.12 patches these issues. A workaround for this issue is to ensure any RPMs being processed contain valid/known payload compressor values such as gzip, bzip2, xz, zstd, and lzma. The payload compressor field in an rpm can be checked by using the rpm command line tool.

CVE-2022-39224 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **jordansissel** - **ruby-arr-pm** version **< 0.0.12**

CVSS3 Score: 7.8 - HIGH

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

CVE References

Description	Tags	Link
Only attempt extraction if a known payload compressor is used. by jordansissel · Pull Request #15 · jordansissel/ruby-arr-pm · GitHub	github.com text/html	MISC github.com/jordansissel/ruby-arr-pm/pull/15
Refactor RPM::File#files by jordansissel · Pull Request #14 · jordansissel/ruby-arr-pm · GitHub	github.com text/html	MISC github.com/jordansissel/ruby-arr-pm/pull/14
Arbitrary shell execution when extracting or listing files contained in a malicious rpm. · Advisory · jordansissel/ruby-arr-pm · GitHub	github.com text/html	CONFIRM github.com/jordansissel/ruby-arr-pm/security/advisories/GHSA-88cv-mj24-8w3q

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Ruby-arr-pm Project	Ruby-arr-pm	All	All	All	All

cpe:2.3:a:ruby-arr-pm_project:ruby-arr-pm:*:*:*:*:*:ruby:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-39224 : Arr-pm is an RPM reader/writer library written in Ruby. Versions prior to 0.0.12 are subject to OS… twitter.com/i/web/status/1…	2022-09-21 23:15:09
@Inceptus3	New Vulnerability: CVE-2022-39224 #InceptusSecure #UnderOurProtection	2022-09-22 00:20:27
@LinInfoSec	Ruby - CVE-2022-39224: github.com/jordansissel/r…	2022-09-22 01:00:26
@rubylandnews	RubySec ➔ CVE-2022-39224 (arr-pm): arr-pm vulnerable to arbitrary shell execution when extracting or listing… rubysec.com/advisories/CVE…	2022-09-22 07:20:32
/r/netcve	CVE-2022-39224	2022-09-22 00:38:15

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