# Package 'vulnr'

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**Title** Scan R Packages for Vulnerabilities

**Version** 0.1.0

**Date** 2026-10-23

**Description** Scan R package dependencies for known security vulnerabilities using the OSV database, with support for renv.lock, installed libraries, and user-supplied package versions.

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**URL** https://github.com/Dschaykib/vulnr

**BugReports** https://github.com/Dschaykib/vulnr/issues

**Imports** data.table, httr, jsonlite (>= 1.8.8), stats, tools, utils

**Suggests** testthat

**Config/roxygen2/version** 8.1.1

**Encoding** UTF-8

**NeedsCompilation** no

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**Repository** CRAN

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check *Check R dependencies for known vulnerabilities*

## Description

Scans explicitly supplied package data, an ‘renv.lock‘ file, and installed libraries, then queries the OSV database for known vulnerabilities.

## Usage

```
check(
  data = NULL,
  renv_file = NULL,
  lib = NULL,
  dcf = NULL,
  error_level = "LOW",
  group = TRUE,
  return_cves = FALSE,
  dependencies = FALSE
)
```

## Arguments

| | |
|---|---|
| data | Optional data frame with ‘Package‘ and ‘Version‘ columns or a vector with package names. |
| renv_file | Path to an ‘renv.lock‘ file, or ‘NULL‘ to skip it. |
| lib | Character vector of library paths, or ‘NULL‘ to skip installed libraries. |
| dcf | Path to a DESCRIPTION file, or ‘NULL‘ to skip it. |
| error_level | Minimum severity that causes an error. One of ‘CRITICAL‘, ‘HIGH‘, ‘MEDIUM‘, or ‘LOW‘. |
| group | Logical; if ‘TRUE‘, group findings by package in the report. |
| return_cves | Logical; if ‘TRUE‘, return the CVE data table instead of reporting findings with a warning or error. |
| dependencies | Logical; if ‘TRUE‘, include recursive strong package dependencies in the scan. |

## Value

Invisibly returns ‘NULL‘ by default. If ‘return_cves‘ is ‘TRUE‘, returns the CVE data table.

## Examples

```
# check specific packages
check(data = "data.table")

## Not run:
# check a renv.lock file
```

```
check(renv_file = "renv.lock")

## End(Not run)
```

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