

# Package: packageDiff (via r-universe)

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**Title** Compare R Package Differences

**Version** 0.2

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**Description** It provides utility functions for investigating changes within R packages. The `pkgInfo()` function extracts package information such as exported and non-exported functions as well as their arguments. The `pkgDiff()` function compares this information for two versions of a package and creates a diff file viewable in a browser.

**Imports** diffr, htmlwidgets

**License** GPL (>= 2)

**Depends** R (>= 2.10)

**URL** <https://github.com/couthcommander/packageDiff>

**Encoding** UTF-8

**RoxygenNote** 6.1.1

**Repository** <https://couthcommander.r-universe.dev>

**RemoteUrl** <https://github.com/couthcommander/packagediff>

**RemoteRef** HEAD

**RemoteSha** b9b7f9a42830c677f0f56dde3a9c2bb82a2fe9f8

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packageDiff-package    *Package Diff*

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## Description

It provides utility functions for investigating changes within R packages. The `pkgInfo` function extracts package information such as exported and non-exported functions as well as their arguments. The `pkgDiff` function compares this information for two versions of a package and creates a diff file viewable in a browser.

## Details

This package is experimental. Please submit bugs to <https://github.com/couthcommander/packageDiff>.

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## See Also

Useful links:

- <https://github.com/couthcommander/packageDiff>

## Examples

```
tar1 <- system.file("examples", "yaml_2.1.18.tar.gz", package = "packageDiff")
tar2 <- system.file("examples", "yaml_2.1.19.tar.gz", package = "packageDiff")
a <- pkgInfo(tar1)
b <- pkgInfo(tar2)
pkgDiff(a, b)

a <- pkgInfo('https://cran.r-project.org/src/contrib/Archive/yaml/yaml_2.1.18.tar.gz')
b <- pkgInfo('https://cran.r-project.org/src/contrib/Archive/yaml/yaml_2.1.19.tar.gz')
pkgDiff(a, b)
```

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pkgDiff

*Package Diff*

---

## Description

This function compares version changes within packages.

## Usage

```
pkgDiff(a, b, doc = TRUE, src = TRUE, vignettes = TRUE,  
        tests = TRUE, demo = TRUE, width = 80)
```

## Arguments

a	First package, a 'pkgInfo' object.
b	Second package, a 'pkgInfo' object.
doc	Include documentation in diff output.
src	Include src files in diff output
vignettes	Include vignette files in diff output
tests	Include test files in diff output
demo	Include demo files in diff output
width	Output width.

## Details

Generate diffs between package information.

## Value

'diffr' object is open in browser

## Examples

```
tar1 <- system.file("examples", "yaml_2.1.18.tar.gz", package = "packageDiff")  
tar2 <- system.file("examples", "yaml_2.1.19.tar.gz", package = "packageDiff")  
a <- pkgInfo(tar1)  
b <- pkgInfo(tar2)  
pkgDiff(a, b)
```

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pkgInfo

*Extract Package Information*

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### Description

This function extracts information from an R package.

### Usage

```
pkgInfo(pkg, leaveRemains = FALSE)
```

### Arguments

`pkg`                The compressed (tar.gz) build file of an R package.  
`leaveRemains`      Keep decompressed package in temp directory.

### Details

Generate package information from its build file.

### Value

Package	Package name
Version	Version number
Imports	Imported packages
Suggests	Suggested packages
ImportedFunctions	Functions imported from other packages
ExportedFunctions	Functions exported from package
AllFunctions	All defined functions
FormalArgs	Function arguments
Data	Dimension information on data sets
documentation	Full package documentation
source	Files in src directory
vignettes	Files in vignettes directory
tests	Files in tests directory
demo	Files in demo directory

**Examples**

```
tarfile <- system.file("examples", "acepack_1.3-3.3.tar.gz", package = "packageDiff")
info <- pkgInfo(tarfile)

url <- 'https://cran.r-project.org/src/contrib/Archive/acepack/acepack_1.3-3.3.tar.gz'
info <- pkgInfo(url)
```

---

print.pkgInfo

*Print Package Information*

---

**Description**

Print method for 'packageInfo' class.

**Usage**

```
## S3 method for class 'pkgInfo'
print(x, doc = FALSE, src = FALSE,
      vignettes = FALSE, tests = FALSE, demo = FALSE, ...)
```

**Arguments**

x	A packageInfo object.
doc	Include documentation in output.
src	Include src files in output.
vignettes	Include vignette files in output.
tests	Include test files in output.
demo	Include demo files in output.
...	Additional parameters, unused at this time.

**Details**

Print its argument and return it invisibly.

**Examples**

```
tarfile <- system.file("examples", "acepack_1.3-3.3.tar.gz", package = "packageDiff")
pkgInfo(tarfile)

url <- 'https://cran.r-project.org/src/contrib/Archive/acepack/acepack_1.3-3.3.tar.gz'
info <- pkgInfo(url)
print(info)
```

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`unzipPackage`*Extract R Package*

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**Description**

Untar an R package into a temp directory.

**Usage**

```
unzipPackage(x)
```

**Arguments**

`x` The compressed (tar.gz) build file of an R package, either local or URL.

**Value**

List of files extracted.

**Examples**

```
tarfile <- system.file("examples", "acepack_1.3-3.3.tar.gz", package = "packageDiff")  
info <- unzipPackage(tarfile)
```

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