

Package: pinsha (via r-universe)

October 1, 2026

Title Pin 'GitHub' Actions to 'SHA'
Version 0.0.0.9000
Description Harden your 'GitHub' workflow security by pinning your
third-party actions to the appropriate 'SHA'.
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Encoding UTF-8
Roxygen list(markdown = TRUE)
RoxygenNote 7.3.2
Suggests testthat (>= 3.0.0), withr
Config/testthat/edition 3
Imports cli, fs, gh, memoise
URL <https://github.com/zkamvar/pinsha>
BugReports <https://github.com/zkamvar/pinsha/issues>
Config/pak/sysreqs cmake git make libuv1-dev libssl-dev
Repository <https://zkamvar.r-universe.dev>
Date/Publication 2025-03-27 18:50:55 UTC
RemoteUrl <https://github.com/zkamvar/pinsha>
RemoteRef HEAD
RemoteSha b3b1071416fb98471958e22f6c8c784ad946a031

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pin	<i>Automatically pin all actions to their expected hashes in your GitHub workflows</i>
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Description

Automatically pin all actions to their expected hashes in your GitHub workflows

Usage

```
pin(  
  workflows = ".github/workflows",  
  include_official = FALSE,  
  write = FALSE,  
  verbose = TRUE  
)
```

Arguments

workflows	the directory to your github workflows
include_official	when TRUE, official github action workflows will also be pinned. Defaults to FALSE, meaning that the official workflows will continue to use tags
write	When TRUE, the workflows will be overwritten. Defaults to FALSE
verbose	when TRUE (default), write out progress for each file. Set to FALSE to suppress all but error messages

Value

nothing. Used for its side-effect

Examples

```
tmp <- withr::local_tempdir()  
workflows <- fs::path(tmp, ".github", "workflows")  
fs::dir_copy(system.file("workflows", package = "pinsha"), workflows)  
withr::with_dir(tmp, pin_find_actions(".github/workflows"))  
withr::with_dir(tmp, pin(write = TRUE))  
withr::with_dir(tmp, pin_find_actions(".github/workflows"))
```

pin_action	<i>Pin an individual action to its corresponding SHA</i>
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Description

Pin an individual action to its corresponding SHA

Usage

```
pin_action(action = "r-lib/actions/check-r-package@v2")
```

Arguments

action	the action written with github syntax that contains at least the github user, repo, and tag
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Value

the same action with an SHA and a comment that indicates the tag the sha belongs to (this may be different than the tag if you use a floating tag)

Examples

```
# pin a specific release
pin_action("r-lib/actions/check-r-package@v2")
# pin the latest release
pin_action("docker/login-action")
```

pin_action_workflow	<i>Pin a third-party action in a workflow</i>
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Description

Pin a third-party action in a workflow

Usage

```
pin_action_workflow(
  action = "r-lib/actions/check-r-package@v2",
  replacement = NULL,
  workflow = ".github/workflows/R-CMD-check.yaml",
  write = FALSE
)
```

Arguments

action	the action written with github syntax that contains at least the github user, repo, and tag
replacement	(optional) the replacement for the particular action. If this is not provided (default), <code>pin_action()</code> will be used to find the replacement
workflow	the path to a github workflow file
write	if TRUE, the workflow file will be overwritten. Defaults to FALSE, which leaves the workflow file intact

Value

a character vector of the workflow file with the actions replaced.

Examples

```
pkgdown <- withr::local_tempdir()
fs::file_copy(system.file("workflows", "pkgdown.yaml", package = "pinsha"), pkgdown)
actions <- pin_find_actions(pkgdown)
actions
for (action in actions) pin_action_workflow(action, workflow = pkgdown, write = TRUE)
pin_find_actions(pkgdown)
```

pin_find_actions	<i>Find GitHub actions used in a workflow file</i>
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Description

Find GitHub actions used in a workflow file

Usage

```
pin_find_actions(
  workflow = ".github/workflows/R-CMD-check.yaml",
  include_official = FALSE
)
```

Arguments

workflow	the path to a github workflow file
include_official	when TRUE, official actions (that have the organization name of actions/) will be included in the results. Defaults to FALSE.

Value

a character vector of zero or more actions used in your workflows

Examples

```
workflows <- system.file("workflows", package = "pinsha")
pin_find_actions(workflows)
pkgdown <- system.file("workflows", "pkgdown.yaml", package = "pinsha")
pin_find_actions(pkgdown)
```

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