

Package ‘wdman’

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Type Package

Title 'Webdriver'/'Selenium' Binary Manager

Version 0.2.2

Description There are a number of binary files associated with the 'Webdriver'/'Selenium' project (see <<http://www.seleniumhq.org/download/>>, <<https://sites.google.com/a/chromium.org/chromedriver/>>, <<https://github.com/mozilla/geckodriver>>, <<http://phantomjs.org/download.html>> and <<https://github.com/SeleniumHQ/selenium/wiki/InternetExplorerDriver>> for more information). This package provides functions to download these binaries and to manage processes involving them.

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Encoding UTF-8

LazyData true

Depends R (>= 3.2)

Suggests testthat, covr, knitr, rmarkdown

Imports binman, assertthat, subprocess (>= 0.8.0), yaml, semver(>= 0.2.0), utils

URL <https://github.com/johndharrison/wdman>

URLNote <https://github.com/johndharrison/wdman>

BugReports <https://github.com/johndharrison/wdman/issues>

RoxygenNote 5.0.1

VignetteBuilder knitr

NeedsCompilation no

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chrome	<i>Start chrome driver</i>
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Description

Start chrome driver

Usage

```
chrome(port = 4567L, version = "latest", path = "wd/hub", check = TRUE,
       verbose = TRUE, retcommand = FALSE, ...)
```

Arguments

port	Port to run on
version	what version of chromedriver to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("chromedriver")</code>
path	base URL path prefix for commands, e.g. wd/hub
check	If TRUE check the versions of chromedriver available. If new versions are available they will be downloaded.
verbose	If TRUE, include status messages (if any)
retcommand	If TRUE return only the command that would be passed to spawn_process
...	pass additional options to the driver

Value

Returns a list with named elements process, output, error, stop and log. process is the output from calling [spawn_process](#) output, error and stop are functions calling [process_read](#), [process_read](#) with "stderr" pipe and [process_kill](#) respectively on process. log is a function which returns the contents of the log file.

Examples

```
## Not run:
cDrv <- chrome()
cDrv$output()
cDrv$stop()

## End(Not run)
```

gecko

Start gecko driver

Description

Start gecko driver

Usage

```
gecko(port = 4567L, version = "latest", check = TRUE,
      loglevel = c("info", "fatal", "error", "warn", "config", "debug", "trace"),
      verbose = TRUE, retcommand = FALSE, ...)
```

Arguments

port	Port to run on
version	what version of geckodriver to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("geckodriver")</code>
check	If TRUE check the versions of geckodriver available. If new versions are available they will be downloaded.
loglevel	Set Gecko log level [values: fatal, error, warn, info, config, debug, trace]
verbose	If TRUE, include status messages (if any)
retcommand	If TRUE return only the command that would be passed to <code>spawn_process</code>
...	pass additional options to the driver

Value

Returns a list with named elements `process`, `output`, `error` and `stop`. `process` is the output from calling `spawn_process` `output`, `error` and `stop` are functions calling `process_read`, `process_read` with "stderr" pipe and `process_kill` respectively on `process`.

Examples

```
## Not run:
gDrv <- gecko()
gDrv$output()
gDrv$stop()

## End(Not run)
```

iedriver

*Start IE driver server***Description**

Start IE driver server

Usage

```
iedriver(port = 4567L, version = "latest", check = TRUE,
         loglevel = c("FATAL", "TRACE", "DEBUG", "INFO", "WARN", "ERROR"),
         verbose = TRUE, retcommand = FALSE, ...)
```

Arguments

port	Port to run on
version	what version of IE driver server to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("iedriverserver")</code>
check	If TRUE check the versions of IE driver available. If new versions are available they will be downloaded.
loglevel	Specifies the log level used by the server. Valid values are: TRACE, DEBUG, INFO, WARN, ERROR, and FATAL. Defaults to FATAL if not specified.
verbose	If TRUE, include status messages (if any)
retcommand	If TRUE return only the command that would be passed to <code>spawn_process</code>
...	pass additional options to the driver

Value

Returns a list with named elements process, output, error, stop and log. process is the output from calling `spawn_process` output, error and stop are functions calling `process_read`, `process_read` with "stderr" pipe and `process_kill` respectively on process. log is a function which returns the contents of the log file.

Examples

```
## Not run:
ieDrv <- iedriver()
ieDrv$output()
ieDrv$stop()

## End(Not run)
```

phantomjs	<i>Start phantomjs</i>
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Description

Start phantomjs in webdriver mode

Usage

```
phantomjs(port = 4567L, version = "2.1.1", check = TRUE,
  loglevel = c("INFO", "ERROR", "WARN", "DEBUG"), verbose = TRUE,
  retcommand = FALSE, ...)
```

Arguments

port	Port to run on
version	what version of phantomjs to run. Default = "2.2.1" which runs the most recent stable version. To see other version currently sourced run <code>binman::list_versions("phantomjs")</code>
check	If TRUE check the versions of phantomjs available. If new versions are available they will be downloaded.
loglevel	Set phantomjs log level [values: fatal, error, warn, info, config, debug, trace]
verbose	If TRUE, include status messages (if any)
retcommand	If TRUE return only the command that would be passed to <code>spawn_process</code>
...	pass additional options to the driver

Value

Returns a list with named elements process, output, error, stop and log. process is the output from calling `spawn_process` output, error and stop are functions calling `process_read`, `process_read` with "stderr" pipe and `process_kill` respectively on process. log is a function which returns the contents of the log file.

Examples

```
## Not run:
pjs <- phantomjs()
pjs$output()
pjs$stop()

## End(Not run)
```

selenium

*Start Selenium Server***Description**

Start Selenium Server

Usage

```
selenium(port = 4567L, version = "latest", chromever = "latest",
         geckover = "latest", iedriver = NULL, phantomver = "2.1.1",
         check = TRUE, verbose = TRUE, retcommand = FALSE, ...)
```

Arguments

port	Port to run on
version	what version of Selenium Server to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("seleniumserver")</code>
chromever	what version of Chrome driver to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("chromedriver")</code> , A value of NULL excludes adding the chrome browser to Selenium Server.
geckover	what version of Gecko driver to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("geckodriver")</code> , A value of NULL excludes adding the firefox browser to Selenium Server.
iedriver	what version of IEDriverServer to run. Default = "latest" which runs the most recent version. To see other version currently sourced run <code>binman::list_versions("iedriverserver")</code> , A value of NULL excludes adding the internet explorer browser to Selenium Server. NOTE this functionality is Windows OS only.
phantomver	what version of PhantomJS to run. Default = "2.2.1" which runs the most recent stable version. To see other version currently sourced run <code>binman::list_versions("phantomjs")</code> , A value of NULL excludes adding the PhantomJS headless browser to Selenium Server.
check	If TRUE check the versions of selenium available and the versions of associated drivers (chromever, geckover, phantomver, iedriver). If new versions are available they will be downloaded.
verbose	If TRUE, include status messages (if any)
retcommand	If TRUE return only the command that would be passed to <code>spawn_process</code>
...	pass additional options to the driver

Value

Returns a list with named elements process, output, error and stop. process is the output from calling `spawn_process` output, error and stop are functions calling `process_read`, `process_read` with "stderr" pipe and `process_kill` respectively on process.

Examples

```
## Not run:  
selServ <- selenium()  
selServ$output()  
selServ$stop()  
  
## End(Not run)
```

wdman

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Description

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