

# Package: wdman (via r-universe)

October 28, 2024

**Type** Package

**Title** 'Webdriver'/Selenium' Binary Manager

**Version** 0.2.6

**Description** There are a number of binary files associated with the 'Webdriver'/Selenium' project. This package provides functions to download these binaries and to manage processes involving them.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Depends** R (>= 3.2)

**Suggests** testthat (>= 3.1.7), covr, knitr, rmarkdown, R6

**Imports** binman, assertthat, processx, yaml, semver(>= 0.2.0), utils

**URL** <https://docs.ropensci.org/wdman/>,  
<https://github.com/ropensci/wdman>

**URLNote** <https://github.com/ropensci/wdman>

**BugReports** <https://github.com/ropensci/wdman/issues>

**RoxygenNote** 7.2.1

**VignetteBuilder** knitr

**Config/testthat/edition** 3

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

**RemoteUrl** <https://github.com/ropensci/wdman>

**RemoteRef** master

**RemoteSha** 47e590548f7370f0d4f54a1cd025193dde5d7e08

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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 <a href="#">process</a>
...	pass additional options to the driver

## Value

Returns a list with named elements `process`, `output`, `error`, `stop`, and `log`. `process` is the object from calling [process](#). `output` and `error` are the functions reading the latest messages from "stdout" and "stderr" since the last call whereas `log` is the function that reads all messages. Lastly, `stop` call the `kill` method in [process](#) to the kill the process.

**Examples**

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

## End(Not run)
```

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gecko	<i>Start gecko driver</i>
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**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 <a href="#">process</a>
...	pass additional options to the driver

**Value**

Returns a list with named elements `process`, `output`, `error`, `stop`, and `log`. `process` is the object from calling [process](#). `output` and `error` are the functions reading the latest messages from "stdout" and "stderr" since the last call whereas `log` is the function that reads all messages. Lastly, `stop` call the `kill` method in [process](#) to the kill the 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 <a href="#">process</a>
...	pass additional options to the driver

**Value**

Returns a list with named elements `process`, `output`, `error`, `stop`, and `log`. `process` is the object from calling [process](#). `output` and `error` are the functions reading the latest messages from "stdout" and "stderr" since the last call whereas `log` is the function that reads all messages. Lastly, `stop` call the `kill` method in [process](#) to the kill the process.

**Examples**

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

## End(Not run)
```

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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 <a href="#">process</a>
...	pass additional options to the driver

**Value**

Returns a list with named elements `process`, `output`, `error`, `stop`, and `log`. `process` is the object from calling [process](#). `output` and `error` are the functions reading the latest messages from "stdout" and "stderr" since the last call whereas `log` is the function that reads all messages. Lastly, `stop` call the `kill` method in [process](#) to the kill the process.

**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 <a href="#">process</a>
...	pass additional options to the driver

**Value**

Returns a list with named elements `process`, `output`, `error`, `stop`, and `log`. `process` is the object from calling [process](#). `output` and `error` are the functions reading the latest messages from "stdout" and "stderr" since the last call whereas `log` is the function that reads all messages. Lastly, `stop` call the `kill` method in [process](#) to the kill the process.

**Examples**

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

## End(Not run)
```

---

 wdman

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*wdman*


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**Description**

Webdriver/Selenium Binary Manager

**Details**

There are a number of binary files associated with the Webdriver/Selenium project. This package provides functions to download these binaries and to manage processes involving them.

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