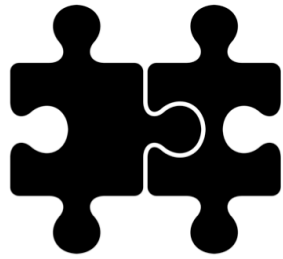


SELENIUM CHEAT SHEETS



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Local Configuration

Chrome

1. Download the latest ChromeDriver binary from [here](#)
2. Add it to your path, or tell Selenium where to find it
3. Create an instance of Chrome

```
require 'selenium-webdriver'  
Selenium::WebDriver::Chrome::Service.executable_path = './chromedriver'  
driver = Selenium::WebDriver.for :chrome
```

For more info:

- [the Selenium wiki page for ChromeDriver](#)
- [the official user documentation](#)

Firefox

Available out of the box.

```
require 'selenium-webdriver'  
driver = Selenium::WebDriver.for :firefox
```

For more info:

- [the Selenium wiki page for FirefoxDriver](#)

Internet Explorer

Only available on Microsoft Windows.

1. Download the latest IEDriverServer from [here](#)
2. Add the downloaded file location to your [path](#)
3. Create an instance of Internet Explorer

```
require 'selenium-webdriver'  
driver = Selenium::WebDriver.for :internet_explorer
```

For more info:

- [the Selenium wiki page for InternetExplorerDriver](#)

Opera

Only works for version 12.16 or earlier. For newer versions of Opera, test using Chrome (since it uses the same back-end).

1. Download the latest Selenium Standalone Server from [here](#)
2. Create an environment variable pointing to the server file
3. Create an instance of Opera

```
require 'selenium-webdriver'
ENV['SELENIUM_SERVER_JAR'] = './selenium-server-standalone.jar'
driver = Selenium::WebDriver.for :opera
driver.get 'http://www.google.com'
driver.quit
```

For more info:

- [The Selenium wiki page for OperaDriver](#)

Safari

Available out of the box as of version 2.21 of Selenium.

```
require 'selenium-webdriver'
driver = Selenium::WebDriver.for :safari
```

For more info:

- [the Selenium wiki page for SafariDriver](#)

Common Actions

Visit a page

```
driver.get 'url'  
# e.g., driver.get 'http://the-internet.herokuapp.com'
```

Find an element

```
# just one, the first Selenium finds  
driver.find_element(locator)  
  
# all instances of the element on the page  
driver.find_elements(locator)  
# returns an Array
```

Work with a found element

```
# Chain actions together  
driver.find_element(locator).click  
  
# Store the element  
element = driver.find_element(locator)  
element.click
```

Work with a collection of found elements

```
collection = driver.find_elements(locator)  
  
# by name  
collection.first.click  
collection.last.click  
  
# by index  
collection[0].click  
collection[-1].click
```

Perform an action

```
element.click
element.submit      # submits a form
element.clear       # clearing an input field of its text
element.send_keys   # typing into an input field
```

Ask a question

```
element.displayed? # is it visible?
element.enabled?   # can it be selected?
element.selected?  # is it selected?
```

Retrieve information

```
# by attribute name
element.attribute('href')

# directly from an element
element.text
```

For more info:

- [the Element API documentation](#)
- [the `attribute` Element API documentation](#)