

## Redmine - Defect #37884

### All system tests fail on 4.2-stable branch with "ArgumentError: unknown keyword: :desired\_capabilities"

2022-11-03 06:08 - Ko Nagase

|                        |              |                          |           |
|------------------------|--------------|--------------------------|-----------|
| <b>Status:</b>         | Closed       | <b>Start date:</b>       |           |
| <b>Priority:</b>       | Normal       | <b>Due date:</b>         |           |
| <b>Assignee:</b>       | Go MAEDA     | <b>% Done:</b>           | 0%        |
| <b>Category:</b>       | Gems support | <b>Estimated time:</b>   | 0.00 hour |
| <b>Target version:</b> | 4.2.9        | <b>Affected version:</b> | 4.2.8     |
| <b>Resolution:</b>     | Fixed        |                          |           |

**Description**

I am trying system test on GitHub Actions CI, but I noticed that all system tests failed on "4.2-stable" branch.  
[https://github.com/sanak/redmine\\_text\\_blocks/actions/runs/3382111397/jobs/5616692628#step:13:25](https://github.com/sanak/redmine_text_blocks/actions/runs/3382111397/jobs/5616692628#step:13:25)

```
Error:
IssuesSystemTest#test_update_journal_notes_with_preview:
ArgumentError: unknown keyword: :desired_capabilities
  test/application_system_test_case.rb:74:in `log_user'
  test/system/issues_test.rb:492:in `test_update_journal_notes_with_preview'
```

```
Error:
IssuesSystemTest#test_update_journal_notes_with_preview:
ArgumentError: unknown keyword: :desired_capabilities
  /usr/local/bundle/gems/selenium-webdriver-4.5.0/lib/selenium/webdriver/common/driver.rb:319:in
`create_bridge'
  /usr/local/bundle/gems/selenium-webdriver-4.5.0/lib/selenium/webdriver/common/driver.rb:74:in
`initialize'
  /usr/local/bundle/gems/selenium-webdriver-4.5.0/lib/selenium/webdriver/common/driver.rb:47:in
`new'
  /usr/local/bundle/gems/selenium-webdriver-4.5.0/lib/selenium/webdriver/common/driver.rb:47:in
`for'
  /usr/local/bundle/gems/selenium-webdriver-4.5.0/lib/selenium/webdriver.rb:89:in `for'
  /usr/local/bundle/gems/capybara-3.31.0/lib/capybara/selenium/driver.rb:51:in `browser'
```

```
:
```

Finished in 1.521672s, 34.1729 runs/s, 0.6572 assertions/s.  
52 runs, 1 assertions, 0 failures, 52 errors, 0 skips

The same system test on "5.0-stable" branch was no problem about the error, even if a few tests failed.  
[https://github.com/sanak/redmine\\_text\\_blocks/actions/runs/3382111397/jobs/5616693089](https://github.com/sanak/redmine_text_blocks/actions/runs/3382111397/jobs/5616693089)

```
:
```

```
Finished in 113.501929s, 0.5198 runs/s, 2.7048 assertions/s.
59 runs, 307 assertions, 3 failures, 3 errors, 0 skips
```

#### Associated revisions

##### Revision 21951 - 2022-11-03 06:39 - Go MAEDA

Merged r21256 from trunk to 4.2-stable (#37884).

#### History

##### #1 - 2022-11-03 06:09 - Ko Nagase

From comparing Gemfile difference,  
"master(trunk)" and "5.0-stable" branch limits "selenium-webdriver" version ("~> 3.142.7"),  
<https://github.com/redmine/redmine/blob/master/Gemfile#L103-L104>  
<https://github.com/redmine/redmine/blob/5.0-stable/Gemfile#L103-L104>

```
gem "selenium-webdriver", "~> 3.142.7"
```

```
gem 'webdrivers', '4.6.1', require: false
```

but "4.2-stable" branch doesn't limit "selenium-webdriver" version, and therefor higher 4.5.0 version is installed.  
<https://github.com/redmine/redmine/blob/4.2-stable/Gemfile#L103-L104>

```
gem "selenium-webdriver"  
gem 'webdrivers', '~> 4.4', require: false
```

From the "selenium-webdriver" GitHub repository's change log, "desired\_capabilities" seems to be removed from 4.3.0,

- <https://github.com/SeleniumHQ/selenium/blob/trunk/rb/CHANGES#L52>

```
Remove deprecated support for `:desired_capabilities` & `:options` with `Hash` argument
```

so it may be better to limit "selenium-webdriver" version with the same condition ("~> 3.142.7") as "master(trunk)" and "5.0-stable" branches.

## #2 - 2022-11-03 06:37 - Ko Nagase

- File 001-limit-selenium-webdriver-for-4\_2-stable.patch added

With the attachment patch "001-limit-selenium-webdriver-for-4\_2-stable.patch" for "4.2-stable" branch, I confirmed that the "desired\_capabilities" errors were solved.

[https://github.com/sanak/redmine\\_text\\_blocks/actions/runs/3383207631/jobs/5618896942#step:13:118](https://github.com/sanak/redmine_text_blocks/actions/runs/3383207631/jobs/5618896942#step:13:118)

## #3 - 2022-11-03 06:40 - Ko Nagase

- File 001-limit-selenium-webdriver-for-4\_2-stable-2.patch added

Sorry, I missed that "master(trunk)" and "5.0-stable" branches are using double quotes for "selenium-webdriver", so I reverted the quote type with this attachment file.

## #4 - 2022-11-03 06:41 - Go MAEDA

- Subject changed from *All system tests failed on 4.2-stable branch with "ArgumentError: unknown keyword: :desired\_capabilities"* to *All system tests fail on 4.2-stable branch with "ArgumentError: unknown keyword: :desired\_capabilities"*

- Status changed from *New* to *Closed*

- Assignee set to *Go MAEDA*

- Target version set to *4.2.9*

- Resolution set to *Fixed*

Fixed the issue by merging [r21256](#) into 4.2-stable. Thank you for reporting the issue.

## #5 - 2022-11-03 06:49 - Ko Nagase

Go MAEDA wrote:

Fixed the issue by merging [r21256](#) into 4.2-stable. Thank you for reporting the issue.

Okay, thanks!

## #6 - 2022-11-03 09:29 - Marco Ferretti

Hi,  
just updated 4.2-stable and have an issue with selenium webdriver:

```
bundle update  
[DEPRECATED] Your Gemfile contains multiple primary sources. Using `source` more than once without a block is  
a security risk, and may result in installing unexpected gems. To resolve this warning, use a block to indicat  
e which gems should come from the secondary source.
```

```
[...]
```

```
Fetching gem metadata from http://rubygems.org/.....  
Fetching gem metadata from https://rubygems.org/.....  
Fetching gem metadata from http://rubygems.org..  
Fetching gem metadata from https://rubygems.org/..
```

Could not find gem 'selenium-webdriver (~> 3.142.7) x86\_64-linux' in rubygems repository <http://rubygems.org/>, <https://rubygems.org/> or installed locally.

The source contains the following gems matching 'selenium-webdriver (~> 3.142.7)':  
\* selenium-webdriver-3.142.7

I tried manual install of selenium-webdriver-3.142.7 :

```
gem install selenium-webdriver -v 3.142.7
Fetching childprocess-3.0.0.gem
Fetching selenium-webdriver-3.142.7.gem
Successfully installed childprocess-3.0.0
Successfully installed selenium-webdriver-3.142.7
2 gems installed
```

then re-run the update, same issue.

#### #7 - 2022-11-03 10:32 - Ko Nagase

Marco Ferretti wrote:

Hi,  
just updated 4.2-stable and have an issue with selenium webdriver:  
[...]

I tried manual install of selenium-webdriver-3.142.7 :  
[...]  
then re-run the update, same issue.

Hi Marco,  
What is your local environment details ?

I tried the following environments, but I haven't encountered the above problem.

- redmine: 4.2-stable branch
- OS/ruby version:
  - M1 Mac (Monterey)/2.6
  - Ubuntu 22.04 (on GitHub Actions)/2.6, 2.7

Also, when reverting Gemfile locally, which version of selenium-driver is installed ?

```
--- Gemfile
+++ Gemfile
@@ -100,7 +100,7 @@ group :test do
  # TODO: Remove version specification once Capybara supports Puma 6
  gem 'puma', '< 6.0.0'
  gem 'capybara', '~> 3.31.0'
- gem "selenium-webdriver", "~> 3.142.7"
+ gem "selenium-webdriver"
  gem 'webdrivers', '~> 4.4', require: false
  # RuboCop
  gem 'rubocop', '~> 1.12.0'
```

#### #8 - 2022-11-03 10:40 - Marco Ferretti

I just emptied the config and it now works updates. I had

```
---
BUNDLE_WITHOUT: "development:test"
```

pretty odd ...

#### #9 - 2022-11-03 10:43 - Ko Nagase

Marco Ferretti wrote:

I just emptied the config and it now works updates. I had  
[...]

pretty odd ...

Okay, nice to hear about that.  
Thanks for comment!

## Files

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|   |           |            |           |
|---|-----------|------------|-----------|
| 001-limit-selenium-webdriver-for-4_2-stable.patch   | 405 Bytes | 2022-11-03 | Ko Nagase |
| 001-limit-selenium-webdriver-for-4_2-stable-2.patch | 405 Bytes | 2022-11-03 | Ko Nagase |