

# WPE WEBDRIVER

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# AGENDA



# AGENDA

- WebDriver Overview
- Current status
- Examples
- Plans

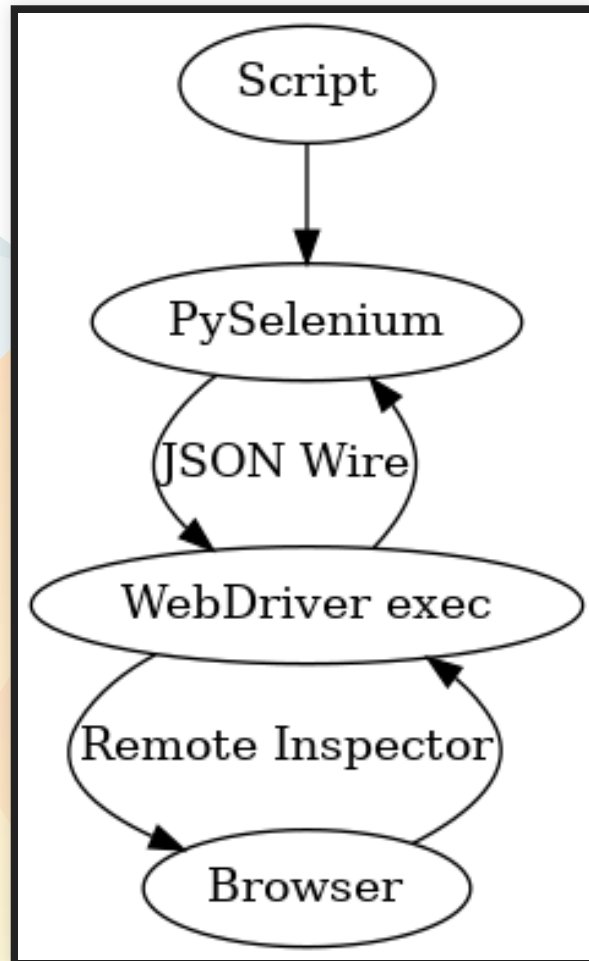


# WEBDRIVER

# WEBDRIVER OVERVIEW

- Remote browser automation
  - User routines sends commands to remote browser
- Evolved from Selenium WebDriver
- W3C recommendation

# WPE WEBDRIVER UNDER THE HOOD



# WEBDRIVER VERSUS LAYOUT TESTS

- Layout tests run in WebKitTestRunner helper
  - Not exactly the same environment as the browser
- WebDriver runs in the browser
  - Ability to test real world websites

# WEBDRIVER COMMANDS AND ACTIONS

- Window handling
- Getting/setting element attributes
- Keyboard/mouse/touch actions
- Prompts



# TESTING WEBDRIVER

- Two main suites
  - Selenium
  - Web Platform Tests
- Limited testing due to multi-view support



# DEMOS

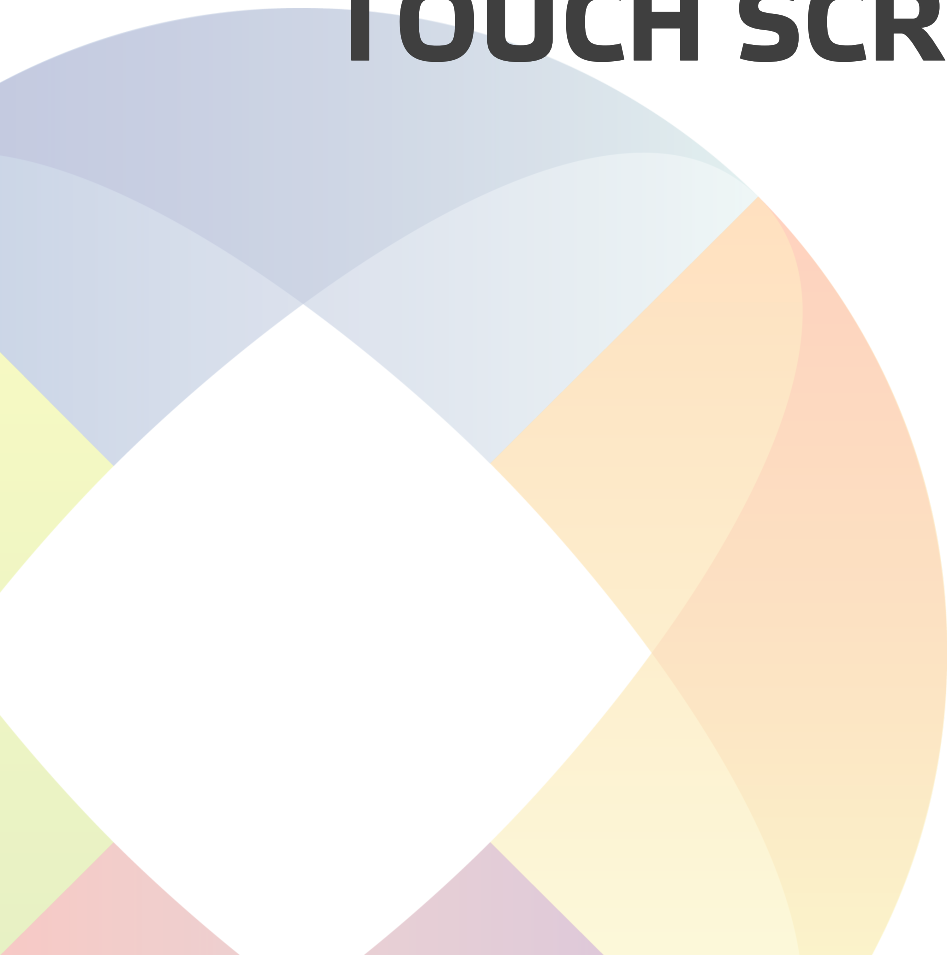
# **SEARCH AND FOLLOW LINKS**



# **LICHESS PLAYING**



# **TOUCH SCROLLING (WIP)**





# ISSUES AND PLANS

# TEST FIXTURES

- Fixtures require multi view support
  - Both selenium and WPT
  - Isolating tests
- MiniBrowser and cog are single-view
  - Cog multi-view support in a branch



# TOUCH EMULATION

- Not yet supported in WPE's WebDriver
- WIP





**THANK YOU**