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*in selenium there are 4 flours (or) types of selenium

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1.selenium core/grid

2.selenium IDE

3.selenium RC

4.selenium webdriver

1.selenium IDE(integrated development environment):

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*this version is used do simple record-and-playback of interactions with the browser.

2.selenium RC(remote control):

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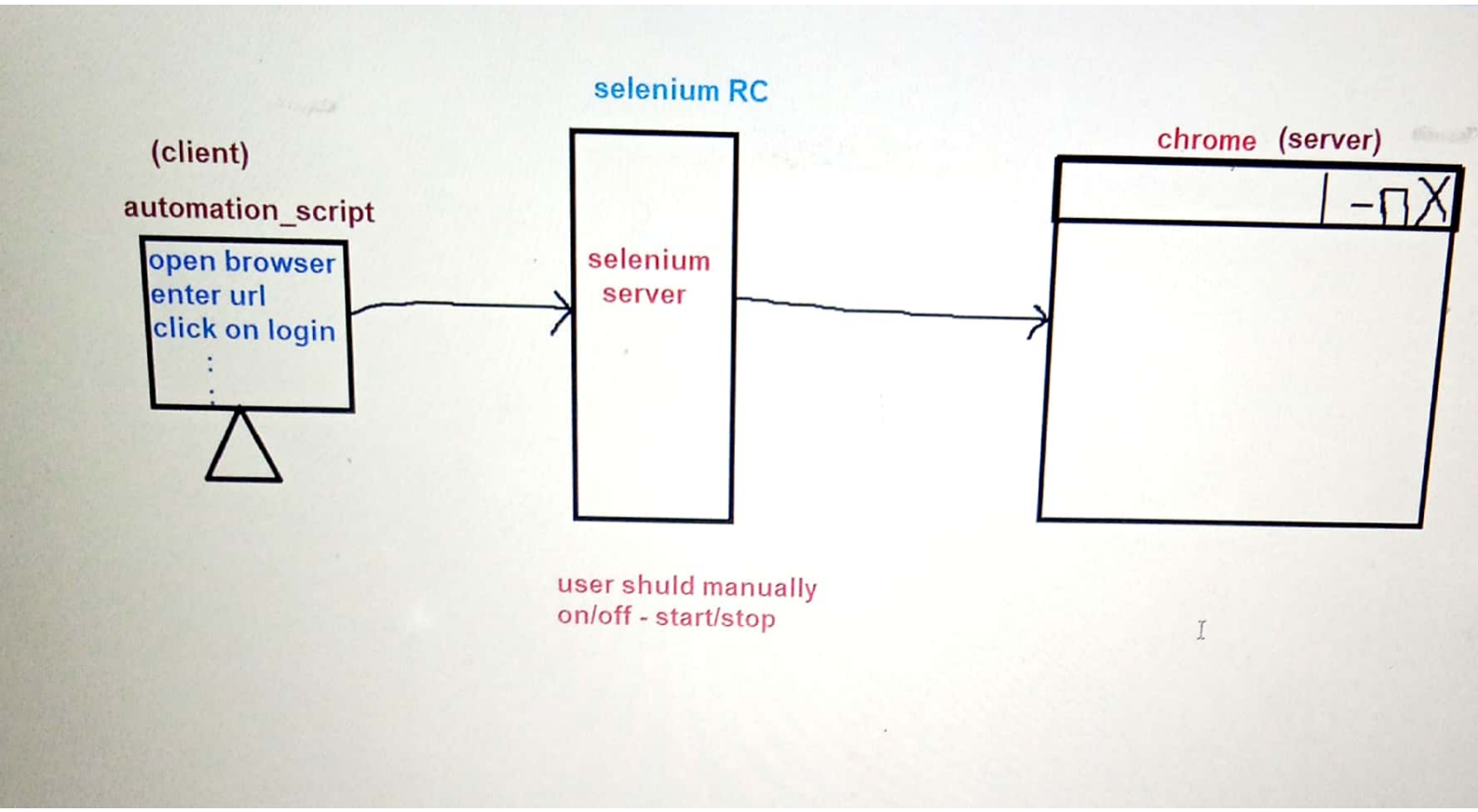
*it is also known as selenium1.

*here client(client binding) and server(browser) communication happen b/w selenium RC server(manual proce

*it will support only specific lang and specific browser.

*in RC manually we want to run/start the selenium server.



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3.selenium webdriver:

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*it is a updated version of selenium RC.

*here webdriver is the responsable to communicate b/w client to browser.

*this will support multiple prog lang and multiple browsers(cross platform).

*in webdriver no need to of start-stop selenium server manually.

*combination of selenium RC and webdriver is called as selenium 2, later it updated 3 and latest version of selenium is 4.

note:

If you want to create robust, browser-based regression automation suites and tests, scale and distribute scripts across many environments, then you want to use Selenium WebDriver, a collection of language specific bindings to drive a browser - the way it is meant to be driven.

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4.selenium grid:
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*this is basically for running same script in different device and browser/browser version then we w
go selenium grid.
*here we will be having 2 major componet
1.hub 2.node
1.hub:
******
=> hub is central repository which will control all execution of node.

2.node:
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=> node means different device/system where script is running.

note:

If you want to scale by distributing and running tests on several machines and manage multiple environments from a central point, making it easy to run the tests against a vast combination of browsers/OS, then you want to use Selenium Grid.