Client Properties

You can use client properties feature to easily set the driver and browser configurations. When you create a new session by using SessionManager, you can simply pass the path to your client properties file to instantiate your session with the desired configurations:

```
ExtWebDriver ewd = SessionManager.getInstance().getNewSession("client", "client.properties");
```

SessionManager will automatically use the appropriate configuration properties to setup your session. There are many different options you can use with client properties. Please refer to the following table for available configurations:

Category	Property Name	Default Value	Description
Browser	browser	HtmlUnit	- IE, Firefox, Chrome, HtmlUnit, Safari - Available browsers on Sauce Labs (e.g. Android, iPad, iPhone, Opera)
Browser	browser.version		Version of the browser. Required for IE and optional for other browsers when running locally. *Required for running on Sauce Labs*
Browser	browser.init.position.x	0	Horizontal position to set browser location. Useful for debugging tests.
Browser	browser.init.position.y	0	Vertical position to set browser location. Useful for debugging tests.
Browser	download.folder		Default folder to download files from browser
Browser	download.time	18000	Maximum browser download time in milliseconds
Browser	upload.folder		Default folder to get files to upload on browser
Browser	proxy		HTTP proxy setting *(e.g. localhost:8080)*
Browser	proxyHttps		HTTPS proxy setting *(e.g. localhost:8080)*
Driver	appearWaitTime	5000	Maximum time to wait for an element to appear in milliseconds
Driver	binaryPath		Only required when using Firefox as browser. Path to firefox.exe executable.
Driver	debugMode	false	Turns on debug mode. Highlight will automatically turn on when this is set to true.
Driver	firefoxProfile.extension.#		Path to the Firefox extension. This will load the extension when the browser session is created. You can set multiple extensions by including "firefoxProfile.extension.1", "firefoxProfile.extension.2", etc. *You must use "binaryPath" together to use this property.*
Driver	firefoxProfile.file		Path to the configuration file containing Firefox profile settings. *You must use "binaryPath" together to use this property.*
Driver	firefoxProfile.folder		Path to the custom Firefox profile to use. *You must use "binaryPath" together to use this property.*
Driver	highlight	false	Highlights web elements during execution. Useful for debugging
Driver	highlight.FIND	rgb(255,255,0)	Highlight color for when locating elements. Only works when hightlight is set to true.
Driver	highlight.GET	rgb(135,206,250)	Highlight color when getting value from elements. Only works when hightlight is set to true.
Driver	highlight.PUT	rgb(152,251,152)	Highlight color for setting value on elements. Only works when hightlight is set to true.
Driver	maxAllowedSessions		Maximum number of sessions which can be created by SessionManager. Leave it empty for unlimited sessions.
Driver	maxRequestTimeout	18000	Maximum WebDriver request timeout in milliseconds
Driver	numberOfDaysToKeepTempFolders	7	Period of time to keep temporary WebDriver folders created in temp directory

Category	Property Name	Default Value	Description
Driver	selectLastFrame	true	Automatically select the last iframe used so that you don't have to explicitly call switch frame everytime.
Driver	tempFolderNameContainsList		Comma separated list of folders to clean within WebDriver temporary files
Driver	webdriver.ie.driver		Path to IEDriversServer.exe. This is not necessary if you add path to IEDriverServer.exe to your system library path.
Driver	webdriver.chrome.driver		Path to chromedriver.exe. This is not necessary if you add path to chromedriver.exe to your library path.
Driver	webdriver.doTaskKill	true	Gracefully kills all the driver server processes at the beginning of execution. Not recommended when running tests in multithreaded mode.
Operating System	os		Name of the operating system running against such as 'Windows'
Operating System	os.version		Version of the operating system running against such as '7' for Windows
Selenium Grid	grid.platform	Windows 7	Operating system to run against on Selenium Grid. Please refer to https://saucelabs.com/docs/platforms (https://saucelabs.com/docs/platforms). *Required for running on Sauce Labs*
Selenium Grid	grid.properties	record-screenshots=true	Space separated properties for running on Selenium Grid. Refer to Selenium Grid properties for supported configurations.
Selenium Grid	grid.url		URL for the Selenium Grid server. Sauce Labs Example: http://sauceUserName:accessKey@ondemand.saucelabs.com:80/wd/hub *Required for running on Sauce Labs*
Selenium Grid	useGrid	false	Turn on to use Selenium Grid instead of local machine. *Required for running on Sauce Labs*