

# Arbor

**Library version:** RENAT 0.1.14  
**Library scope:** test suite  
**Named arguments:** supported

## Introduction

A library provides functions to control Arbor application

The library utilize *SeleniumLibrary* and adds more functions to control Arbor application easily.

See [WebApp](#) for common keywords of web applications.

*SeleniumLibrary* keywords still could be used along with this library. See [SeleniumLibrary](#) for more details.

**Notes:** From 0.1.10, move from *Selenium2Library* to *SeleniumLibrary*

## Shortcuts

Capture Screenshot · Clean Status Msg · Close · Close All · Commit · Connect · Connect All · Detail First Mitigation · Get Status Msg · Get Verbose · Login · Logout · Mark Element · Menu · Open Ff With Profile · Reconnect · Reset Capture Counter · Set Ajax Wait · Set Capture Counter · Set Capture Format · Set Verbose · Show All Mitigations · Show Detail Countermeasure · Show Detail First Mitigation · Show Detail Mitigation · Show Detail Mitigation With Order · Switch · Verbose Capture · Wait Until Element Changes

## Keywords

Keyword	Arguments	Documentation															
Capture Screenshot	filename=None, extra=	<p>Captures the current screen to file</p> <p>Using the internal counter for filename if filename is not specified. In this case, the filename is defined by a pre-set format. <i>Set Capture Format</i> could be used to change the current format.</p> <p>An extra information will be add to the filename if extra is defined</p> <p>Examples:</p> <table><tr><td>Samurai.<i>Capture Screenshot</i></td><td></td><td># samurai_0000000001.png</td></tr><tr><td>Samurai.<i>Capture Screenshot</i></td><td>extra=_list</td><td># samurai_0000000002_list.png</td></tr><tr><td>Arbor.<i>Capture Screenshot</i></td><td></td><td># arbor_0000000001.png</td></tr><tr><td>Arbor.<i>Capture Screenshot</i></td><td>extra= xxx</td><td># arbor_0000000001_xxx.png</td></tr><tr><td>Samurai.<i>Capture Screenshot</i></td><td>filename=1111.png</td><td># 1111.png</td></tr></table>	Samurai. <i>Capture Screenshot</i>		# samurai_0000000001.png	Samurai. <i>Capture Screenshot</i>	extra=_list	# samurai_0000000002_list.png	Arbor. <i>Capture Screenshot</i>		# arbor_0000000001.png	Arbor. <i>Capture Screenshot</i>	extra= xxx	# arbor_0000000001_xxx.png	Samurai. <i>Capture Screenshot</i>	filename=1111.png	# 1111.png
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Clean Status Msg		Disposes any alert or status messgae at the top of the current page															
Close		Close the web application															
Close All		Closes all current opened applications															
Commit	strict=True	<p>Commit the current changes</p> <p>If strict is \${TRUE} then the keyword fails if there is not change to commit. Otherwise, it does nothing</p>															
Connect	app, name	<p>Opens a web browser and connects to application and assigns a name .</p> <p>Extra information could be added to the webapp sections likes login-url , browser or profile-dir . Default values are:</p> <table><tr><td>browser</td><td>firefox</td></tr><tr><td>login-url</td><td>/</td></tr><tr><td>profile-dir</td><td>./config/samurai.profile</td></tr></table>	browser	firefox	login-url	/	profile-dir	./config/samurai.profile									
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Connect All		<p>Connects to all applications defined in local.yaml</p> <p>The name of the connection will be the same of the webapp name</p>															
Detail First Mitigation																	
Get Status Msg		<p>Get current status message</p> <p>Return null string if no message exists</p>															
Get Verbose		Get current verbose mode															
Login		Logs into the Arbor application															
Logout		Logs-out the current application, the browser remains															
Mark Element	xpath	Marking an element to check its stattus later															
Menu	order, wait=2s, capture_all=False, prefix=menu_, suffix=.png,	Access to Arbor menu															

	<code>partial_match=False</code>	<p>Parameters</p> <ul style="list-style-type: none"><li>▪ <code>order</code> is the list of top menu items separated by '/'</li><li>▪ <code>wait</code> is the wait time after the last item is clicked</li><li>▪ if <code>capture_all</code> is <code>True</code> then a screenshot is captured for each menu item automatically. In this case, the image file is appended by <code>prefix</code> and <code>suffix</code>.</li></ul> <p>by default, the system try to match the menu item in full, when <code>partial_match</code> is <code>True</code>, partial match is applied.</p> <p>Examples:</p> <table><tr><td>Arbor.<a href="#">Menu</a></td><td>order=Alerts/Ongoing</td><td></td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td></tr><tr><td>Arbor.<a href="#">Menu</a></td><td>order=Alerts/All Alerts</td><td></td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td></tr><tr><td>Arbor.<a href="#">Menu</a></td><td>order=System/Status/Deployment Status</td><td></td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td></tr><tr><td>Arbor.<a href="#">Menu</a></td><td>order=System/Status/Signaling Status/Appliance Status</td><td>partial_match=\${TRUE}</td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td></tr></table>	Arbor. <a href="#">Menu</a>	order=Alerts/Ongoing		Arbor. <a href="#">Capture Screenshot</a>			Arbor. <a href="#">Menu</a>	order=Alerts/All Alerts		Arbor. <a href="#">Capture Screenshot</a>			Arbor. <a href="#">Menu</a>	order=System/Status/Deployment Status		Arbor. <a href="#">Capture Screenshot</a>			Arbor. <a href="#">Menu</a>	order=System/Status/Signaling Status/Appliance Status	partial_match=\${TRUE}	Arbor. <a href="#">Capture Screenshot</a>		
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Open Ff With Profile	<code>app, name</code>																									
Reconnect		Reconnect to server if necessary																								
Reset Capture Counter		Resets the counter of the screen capture																								
Set Ajax Wait	<code>wait_time=2s</code>	Set the ajax wait time																								
Set Capture Counter	<code>value=0</code>	Sets the counter of the screen capture to <code>value</code>																								
Set Capture Format	<code>format</code>	<p>Sets the format for the screen capture file</p> <p>The format does not include the default prefix <code>.png</code> The default format is <code>&lt;mod&gt;_%010d</code>. <code>mod</code> could be <code>samurai</code> or <code>arbor</code></p> <p>See <a href="https://docs.python.org/2/library/string.html#format-specification-mini-language">https://docs.python.org/2/library/string.html#format-specification-mini-language</a> for more details about the format string.</p> <p>Examples:</p> <table><tr><td>Samurai.<a href="#">Set Capture Format</a></td><td><code>\${case}_%010d</code></td><td># <code>\${case}</code> is a predefined variable</td></tr></table>	Samurai. <a href="#">Set Capture Format</a>	<code>\${case}_%010d</code>	# <code>\${case}</code> is a predefined variable																					
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Set Verbose	<code>verbose=False</code>	Set current verbose mode to <code>verbose</code>																								
Show All Mitigations		Shows all mitigations																								
Show Detail Countermeasure	<code>name, *method_list</code>	<p>Shows detail informatin about a countermeasure</p> <p><code>name</code> is used to search the the mitigation and <code>method_list</code> is a list of countermeasures that are listed in Arbor Countermeasures panel</p> <p>Example:</p> <table><tr><td><code>\${NAME}</code></td><td><code>\${ID}=</code></td><td><a href="#">Show Detail First Mitigation</a></td><td></td></tr><tr><td>Arbor.<a href="#">Show Detail Countermeasure</a></td><td><code>\${NAME}</code></td><td>DNS Malformed</td><td></td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td><td></td></tr><tr><td>Sleep</td><td>10s</td><td></td><td></td></tr><tr><td>Arbor.<a href="#">Show Detail Countermeasure</a></td><td><code>\${NAME}</code></td><td>Zombie Detection</td><td>HTTP Malformed</td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td><td></td></tr></table>	<code>\${NAME}</code>	<code>\${ID}=</code>	<a href="#">Show Detail First Mitigation</a>		Arbor. <a href="#">Show Detail Countermeasure</a>	<code>\${NAME}</code>	DNS Malformed		Arbor. <a href="#">Capture Screenshot</a>				Sleep	10s			Arbor. <a href="#">Show Detail Countermeasure</a>	<code>\${NAME}</code>	Zombie Detection	HTTP Malformed	Arbor. <a href="#">Capture Screenshot</a>			
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Show Detail First Mitigation		<p>Shows details about the 1st mitigation on the list</p> <p>The keyword returns the <code>mitigation ID</code> and its name</p>																								
Show Detail Mitigation	<code>search_str</code>	<p>Shows detail information of a mitigation by its <code>search_str</code></p> <p><b>Note:</b> the result could include multi mitigations</p>																								
Show Detail Mitigation With Order	<code>order</code>	<p>Shows details about the <code>order</code>(th) mitigation in the current list</p> <p><code>order</code> is counted from <code>1</code>. The keyword returns the <code>mitigation_id</code> and its name</p> <p>Example:</p> <table><tr><td><code>\${NAME}</code></td><td><code>\${ID}=</code></td><td>Arbor.<a href="#">Show Detail Mitigation With Order</a></td><td>3</td></tr><tr><td>Log To Console</td><td><code>\${NAME}:\${ID}</code></td><td></td><td></td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td><td></td></tr></table>	<code>\${NAME}</code>	<code>\${ID}=</code>	Arbor. <a href="#">Show Detail Mitigation With Order</a>	3	Log To Console	<code>\${NAME}:\${ID}</code>			Arbor. <a href="#">Capture Screenshot</a>															
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Switch	<i>name</i>	Switches the current browser to <code>name</code>
Verbose Capture	<i>*args, **kwargs</i>	Capture screenshot if verbose mode is <code>True</code> otherwise do nothing
Wait Until Element Changes	<i>interval=5s, timeout=180s, error_on_timeout=False</i>	Wait until the marked element has been changed

Altogether 29 keywords.  
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