

# Arbor

**Library version:** RENAT 0.1.13  
**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_<i>list</i>.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_<i>xxx</i>.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_ <i>list</i> .png	Arbor. <i>Capture Screenshot</i>		# arbor_0000000001.png	Arbor. <i>Capture Screenshot</i>	extra=_xxx	# arbor_0000000001_ <i>xxx</i> .png	Samurai. <i>Capture Screenshot</i>	filename=1111.png	# 1111.png
Samurai. <i>Capture Screenshot</i>		# samurai_0000000001.png															
Samurai. <i>Capture Screenshot</i>	extra=_list	# samurai_0000000002_ <i>list</i> .png															
Arbor. <i>Capture Screenshot</i>		# arbor_0000000001.png															
Arbor. <i>Capture Screenshot</i>	extra=_xxx	# arbor_0000000001_ <i>xxx</i> .png															
Samurai. <i>Capture Screenshot</i>	filename=1111.png	# 1111.png															
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 <i>strict</i> is <code> \${TRUE}</code> 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									
browser	firefox																
login_url	/																
profile_dir	./config/samurai.profile																
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>		
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>																										
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																					
Samurai. <a href="#">Set Capture Format</a>	<code>\${case}_%010d</code>	# <code>\${case}</code> is a predefined variable																								
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>			
<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>																										
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>															
<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>																										

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.  
Generated by [Libdoc](#) on 2019-02-23 16:37:05.

