

# Arbor

**Library version:** RENAT 0.1.11  
**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 · 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

## 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									
browser	firefox																
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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															
Menu	order, wait=2s, capture_all=False, prefix=menu_, suffix=.png, partial_match=False	<p>Access to Arbor menu</p> <p>Parameters</p>															

		<ul style="list-style-type: none"><li>order is the list of top menu items separated by '/'</li><li>wait is the wait time after the last item is clicked</li><li>if capture_all is True then a screenshot is captured for each menu item automatically. In this case, the image file is appended by prefix and suffix.</li></ul> <ul style="list-style-type: none"><li>by default, the system try to match the menu item in full, when partial_match is True, partial match is applied.</li></ul> <p>Samples:</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	app, name																									
Reconnect		Reconnect to server if necessary																								
Reset Capture Counter		Resets the counter of the screen capture																								
Set Ajax Wait	wait_time=2s	Set the ajax wait time																								
Set Capture Counter	value=0	Sets the counter of the screen capture to value																								
Set Capture Format	format	<p>Sets the format for the screen capture file</p> <p>The format does not include the default prefix .png The default format is &lt;mod&gt;_%010d. mod could be samurai or arbor</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>\${case}_%010d</td><td># \${case} is a predefined variable</td></tr></table>	Samurai. <a href="#">Set Capture Format</a>	\${case}_%010d	# \${case} is a predefined variable																					
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Set Verbose	verbose=False	Set current verbose mode to verbose																								
Show All Mitigations		Shows all mitigations																								
Show Detail Countermeasure	name, *method_list	<p>Shows detail informatin about a countermeasure</p> <p>name is used to search the the mitigation and method_list is a list of countermeasures that are listed in Arbor Countermeasures panel</p> <p>Example:</p> <table><tr><td>\${NAME}</td><td>\${ID}=</td><td><a href="#">Show Detail First Mitigation</a></td><td></td></tr><tr><td>Arbor.<a href="#">Show Detail Countermeasure</a></td><td>\${NAME}</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>\${NAME}</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>	\${NAME}	\${ID}=	<a href="#">Show Detail First Mitigation</a>		Arbor. <a href="#">Show Detail Countermeasure</a>	\${NAME}	DNS Malformed		Arbor. <a href="#">Capture Screenshot</a>				Sleep	10s			Arbor. <a href="#">Show Detail Countermeasure</a>	\${NAME}	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 mitigation ID and its name</p>																								
Show Detail Mitigation	search_str	<p>Shows detail information of a mitigation by its search_str</p> <p><b>Note:</b> the result could include multi mitigations</p>																								
Show Detail Mitigation With Order	order	<p>Shows details about the order(th) mitigation in the current list</p> <p>order is counted from 1. The keyword returns the mitigation_id and its name</p> <p>Example:</p> <table><tr><td>\${NAME}</td><td>\${ID}=</td><td>Arbor.<a href="#">Show Detail Mitigation With Order</a></td><td>3</td></tr><tr><td>Log To Console</td><td>\${NAME}:\${ID}</td><td></td><td></td></tr><tr><td>Arbor.<a href="#">Capture Screenshot</a></td><td></td><td></td><td></td></tr></table>	\${NAME}	\${ID}=	Arbor. <a href="#">Show Detail Mitigation With Order</a>	3	Log To Console	\${NAME}:\${ID}			Arbor. <a href="#">Capture Screenshot</a>															
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Switch Verbose Capture	<i>name</i> <i>*args, **kwargs</i>	Switches the current browser to <i>name</i> Capture screenshot if verbose mode is <code>True</code> otherwise do nothing
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Altogether 27 keywords.  
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