

# Arbor

**Library version:** RENAT 0.1.10  
**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 · Close · Close All · Connect · Connect All · Detail First Mitigation · Login · Logout · Menu · Reconnect · Reset Capture Counter · Set Ajax Wait · Set Capture Counter · Set Capture Format · Show All Mitigations · Show Detail Countermeasure · Show Detail First Mitigation · Show Detail Mitigation · Show Detail Mitigation With Order · Switch

## 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.</td><td><i>Capture Screenshot</i></td><td></td><td># samurai_0000000001.png</td></tr><tr><td>Samurai.</td><td><i>Capture Screenshot</i></td><td>extra=_list</td><td># samurai_0000000002_list.png</td></tr><tr><td>Arbor.</td><td><i>Capture Screenshot</i></td><td></td><td># arbor_0000000001.png</td></tr><tr><td>Arbor.</td><td><i>Capture Screenshot</i></td><td>extra=_xxx</td><td># arbor_0000000001_xxx.png</td></tr><tr><td>Samurai.</td><td><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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Close		Closes the current active browser																				
Close All		Closes all current opened applications																				
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																						
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 automtically. In this case, the image file is appended by prefix and suffix.</li><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.</td><td><i>Menu</i></td><td>order=Alerts/Ongoing</td><td></td></tr><tr><td>Arbor.</td><td><i>Capture</i></td><td></td><td></td></tr></table>	Arbor.	<i>Menu</i>	order=Alerts/Ongoing		Arbor.	<i>Capture</i>														
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		<a href="#">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>																									
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	Sets the format for the screen capture file The format does not include the default prefix .png The default format is <mod>_%010d. mod could be samurai or arbor 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. Examples: <div>Samurai.<a href="#">Set Capture Format</a> \${case}_%010d # \${case} is a predefined variable</div>																									
Show All Mitigations		Shows all mitigations																									
Show Detail Countermeasure	name, *method_list	Shows detail informatin about a countermeasure name is used to search the the mitigation and method_list is a list of countermeasures that are listed in Arbor Countermeasures panel Example: <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		Shows details about the 1st mitigation on the list The keyword returns the mitigation ID and its name																									
Show Detail Mitigation	search_str	Shows detail information of a mitigation by its search_str <b>Note:</b> the result could include multi mitigations																									
Show Detail Mitigation With Order	order	Shows details about the order(th) mitigation in the current list order is counted from 1. The keyword returns the mitigation_id and its name Example: <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	name	Switches the current browser to name																									

Altogether 20 keywords.

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