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 *Selenium2Library* and adds more functions to control Arbor application easily.

See WebApp for common keywords of web applications.

Selenium2Library keywords still could be used along with this library. See Selenium2Library for more details.

Shortcuts

Capture Screenshot · **C**lose · **C**lose All · **C**onnect · **C**onnect All · **D**etail First Mitigation · **L**ogin · **L**ogout · **M**enu · **R**econnect · **R**eset Capture Counter · **S**et Ajax Wait · **S**et Capture Counter · **S**et Capture Format · **S**how All Mitigations · **S**how Detail Countermeasure · **S**how Detail First Mitigation · **S**how Detail Mitigation · **S**how Detail Mitigation With Order · **S**witch

Keywords

<table>
<tr><th>Keyword</th><th>Arguments</th><th>Documentation</th></tr>
<tr><td>Capture Screenshot</td><td>filename=None, extra=</td><td>Captures the current screen to file

Using the internal counter for filename if <code>filename</code> is not specified. In this case, the filename is defined by a pre-set format. Set Capture Format could be used to change the current format.

An extra information will be add to the filename if <code>extra</code> is defined

Examples:<table><tr><td>Samurai.Capture Screenshot</td><td></td><td># samurai_0000000001.png</td></tr><tr><td>Samurai.Capture Screenshot</td><td>extra=_list</td><td># samurai_0000000002_list.png</td></tr><tr><td>Arbor.Capture Screenshot</td><td></td><td># arbor_0000000001.png</td></tr><tr><td>Arbor.Capture Screenshot</td><td>extra=_xxx</td><td># arbor_0000000001_xxx.png</td></tr><tr><td>Samurai.Capture Screenshot</td><td>filename=1111.png</td><td># 1111.png</td></tr></table></td></tr>
<tr><td>Close</td><td></td><td>Closes the current active browser</td></tr>
<tr><td>Close All</td><td></td><td>Closes all current opened applications</td></tr>
<tr><td>Connect</td><td>app, name</td><td>Opens a web browser and connects to application and assigns a <code>name</code>.

Extra information could be added to the <code>webapp</code> sections likes <code>login_url</code>, <code>browser</code> or <code>profile_dir</code>. Default values are:<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></td></tr>
<tr><td>Connect All</td><td></td><td>Connects to all applications defined in <code>local.yaml</code>

The name of the connection will be the same of the webapp name</td></tr>
<tr><td>Detail First Mitigation</td><td></td><td></td></tr>
<tr><td>Login</td><td></td><td>Logs into the Arbor application</td></tr>
<tr><td>Logout</td><td></td><td>Logs-out the current application, the browser remains</td></tr>
<tr><td>Menu</td><td>order, wait=2s, capture_all=False, prefix=menu_, suffix=.png, partial_match=False</td><td>Access to Arbor menu

Parameters
<code>order</code> is the list of top menu items separated by '/'
<code>wait</code> is the wait time after the last item is clicked
if <code>capture_all</code> is <code>True</code> then a screenshot is captured for each menu item automtically. In this case, the image file is appended by
<code>prefix</code> and <code>suffix</code>.
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.
Samples:<table><tr><td>Arbor.Menu</td><td>order=Alerts/Ongoing</td><td></td></tr><tr><td>Arbor.Capture Screenshot</td><td></td><td></td></tr></table></td></tr>
</table>

Arbor.*Menu*	order=Alerts/All Alerts	
Arbor.*Capture Screenshot*		
Arbor.*Menu*	order=System/Status/Deployment Status	
Arbor.*Capture Screenshot*		
Arbor.*Menu*	order=System/Status/Signaling Status/Appliance Status	partial_match=${TRUE}
Arbor.*Capture Screenshot*		

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 https://docs.python.org/2/library/string.html#format-specification-mini-language for more details about the format string. Examples: Samurai.*Set Capture Format* ${case}_%010d # ${case} is a predefined variable
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:

${NAME}	${ID}=	*Show Detail First Mitigation*	
Arbor.*Show Detail Countermeasure*	${NAME}	DNS Malformed	
Arbor.*Capture Screenshot*			
Sleep	10s		
Arbor.*Show Detail Countermeasure*	${NAME}	Zombie Detection	HTTP Malformed
Arbor.*Capture Screenshot*			

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* **Note**: 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:

${NAME}	${ID}=	Arbor.*Show Detail Mitigation With Order*	3
Log To Console	${NAME}:${ID}		
Arbor.*Capture Screenshot*			

Switch	*name*	Switches the current browser to `name`

Altogether 20 keywords.
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