15-3

SSL

Can you please try with below steps and let us know it goes?

>Please click on the SSL from the Sahi Dashboard and try to configure SSL.

Please refer the below link for more information:

[*http://sahipro.com/docs/using-sahi/sahi-configuration-basic.html#Configure*](http://sahipro.com/docs/using-sahi/sahi-configuration-basic.html#Configure) *SSL*

> Go to the <Sahi Pro>\userdata\ and delete the certain folder.

> Restart the Sahi Pro and check how it goes.

If you still face the issue, please follow steps.

1) Open <SahiPro>/userdata/bin/setjava.bat file.Copy the path set for set SAHI\_JAVA\_HOME (C:\Program Files (x86)\Java\jre1.8.0\_131) inside setjava.bat file(refer setjava.png)

2) Go to the path you copied from the setjava.bat file.Once you reached the path open the bin folder and check for keytool.exe.Refer keytool.png.

3) If you can not find keytool.exe then go to the folder where your Java(JDK or JRE) is saved and copy the path till the version, for example, <Java>/jre1.8.0\_144

4) Now open setjava.bat and copy the updated path for SAHI\_JAVA\_HOME.

5) Restart SahiPro and check.

> Can you please try with below steps and let us know it goes?

1. Please click on the SSL from the Sahi Dashboard and try to configure SSL.

Please refer the below link for more information:

[*http://sahipro.com/docs/using-sahi/sahi-configuration-basic.html#Configure*](http://sahipro.com/docs/using-sahi/sahi-configuration-basic.html#Configure) *SSL*

2. Go to the *<Sahi Pro>\userdata\* and delete the **certgen** folder.

3. Restart the Sahi Pro and check how it goes.

> If you still face the issue, please follow the below steps:

1. Please let us know the path that you are setting in **<SahiPro>/userdata/bin/setjava.bat** file.

2. Now, please check if you can find keytool.exe in the same JAVA\_HOME/bin that you have used in the above-mentioned file.

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If you find any error regarding browser or page not loaded, please check the SSLlogs first.

16-3

\_f("mxComponents").popupbutton().inside(\_f("mxComponents").vbox("VerticalBox"))

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"https://www.google.com/url?q=http://sahipro.com/sahi-pro-chrome-58-ssl-certificate-fix/&sa=D&source=hangouts&ust=1522232548376000&usg=AFQjCNHIpVSTnmkNGXDItX-BjlUukEoVug"usg=AFQjCNHIpVSTnmkNGXDItX-BjlUukEoVug](https://www.google.com/url?q=http://sahipro.com/sahi-pro-chrome-58-ssl-certificate-fix/&sa=D&source=hangouts&ust=1522232548376000&usg=AFQjCNHIpVSTnmkNGXDItX-BjlUukEoVug)

for ssl

Run a clean boot

1. msconfig.exe under windows tab

2. Under services tab check box "hide all microsoft services"

3. Then sort by service and uncheck the IBUpdater service box

4. Click okay and restart when prompted

2-04

For Email realated issues go through the urls:

<https://sahipro.com/docs/scripting/sending-emails.html>

<https://sahipro.com/docs/troubleshooting/send-email-issues.html>

3-04

For mobile add on url:

<http://sahipro.com/alldocs/mobile_v7.5.0/using-sahi/mobile-add-on.html>

Please refer the following link for Android Automation.  
<http://sahipro.com/alldocs/mobile_v7.5.0/using-sahi/android-getting-started.html>

4-04

Good evening Sahi Support,

An error is encountered when running the following,

var $abc = \_getAttribute( \_div( {className: "iviewer-main-class ng-scope"} ), "data-response-class" );

Error: Logging exception: "\_getAttribute" is not defined.

but when it is changed to the following it works

var $abc;

$abc = \_getAttribute( \_div( {className: "iviewer-main-class ng-scope"} ), "data-response-class" );

Why does the declaration and assignment fail when className is used?

Please download the attachment from below link. After downloading unzip the same.  
<http://sahipro.com/static/fixes/rhino_parsing_patch.zip>  
  
> Copy the "parsing\_fix\_22Jan18.jar" file to <SahiPro>/**userdata**/extlib/ folder (create extlib folder if not present).  
> Copy the "js.jar" file to <SahiPro>/extlib/rhino folder.

11-04

\_call(\_textbox("user").value="test"); //calling javascript method in sahi using call method and setting value in textbox as test.

How to block blank spaces in an array

*var $divs= \_collectAttributes("\_div","/.\*/","sahiText",\_under(\_div("Product Name"))); //gives the names of all elements under \_div("Product Name")*

*var $arr = $divs.filter(function(entry) { return entry.trim() != ''; }); //removes the blank spaces in the array*

*\_log($arr);*

16-4

For email related issues:

<https://sahipro.com/docs/scripting/sending-emails.html>

20-4

Adding time between scripts in suite file in sahi

**suite.time\_between\_tests=5000**

**25-4**

**Preem file upload**

Hi Preem,  
  
Please comment out the below line in the script. The file upload will be handled by \_setFile2() itself and you don't need to click on upload button to open the file upload dialog box. When the file dialog box opens up, Sahi cannot interact with the browser.

*//\_click(\_label("Upload photo"));*

Please find the below code for uploading the file:  
  
*\_setFile2(\_file("hidden"),"$filepath","", true,true); //provide the Path in $filepath of the file to be uploaded.*  
  
Please refer the below link to know more about \_setFile2() API:  
  
[https://sahipro.com/docs/sahi-apis/action-apis.html#\_setFile2](https://sahipro.com/docs/sahi-apis/action-apis.html)

Please use the below fixes before the file uploading:

> Copy the below function to the <Sahi\_Pro>\userdata\config\user\_extensions.js file(between  the \_\_sahiDebug\_\_("user\_ext.js: start"); and \_\_sahiDebug\_\_("user\_ext.js: end"); ).

\_\_sahiDebug\_\_("user\_ext.js: start");

GIT HUB

<https://www.youtube.com/watch?v=gAWiXbT599E>

<https://www.youtube.com/watch?v=J_Clau1bYco>

<https://github.com/subbumannam/Test-Git.git>

*Sahi.prototype.makeLibFunctionsAvailable = function(){*

*var fns = ["\_scriptName", "\_scriptPath", "\_suiteInfo", "\_userDataDir",*

*"\_sessionInfo", "\_userDataPath", "\_readFile", "\_readCSVFile",*

*"\_readURL", "\_scriptStatus", "\_stackTrace", "\_selectWindow",*

*"\_resolvePath", "\_takeScreenShot", "\_readLayoutFile", "\_fail", "\_trim", "\_fileExists",*

*"\_copyFile", "\_deleteFile"];*

*for (var i=0; i<fns.length; i++){*

*this.addRhinoFn(fns[i]);*

*}*

*};*

*Sahi.prototype.getFileBlob = function (url, cb) {*

*url = url.replace(/\s+/g, '');*

*var xhr;*

*if (window.XMLHttpRequest) {*

*// code for modern browsers*

*xhr = new XMLHttpRequest();*

*} else {*

*// code for old IE browsers*

*xhr = new\_ActiveXObject("Microsoft.XMLHTTP");*

*}*

*xhr.open("GET", url, true);*

*xhr.responseType = "blob";*

*xhr.addEventListener('load', function() {*

*cb(xhr.response);*

*});*

*xhr.send();*

*};*

*//convert Blob to File*

*Sahi.prototype.blobToFile = function (blob, name, fileType) {*

*blob.lastModifiedDate = new Date();*

*blob.name = name;*

*if(this.\_isIE() || this.\_isSafari()){*

*return blob;*

*}else{*

*return new File([blob], name, {type: blob.type, lastModified: blob.lastModifiedDate, size:blob.size});*

*}*

*};*

*Sahi.prototype.getFileObject = function(fileUrl, fileName, cb) {*

*this.getFileBlob(fileUrl, function(blob) {*

*cb(\_sahi.blobToFile(blob, fileName));*

*});*

*};*

*Sahi.prototype.populate\_fileArray = function(el, files) {*

*if(typeof files == "string") files = [files];*

*el.\_file = [];*

*var i=0,j=0,value;*

*var fileName, copyFileResult, fileUrl;*

*for(i=0;i<files.length;i++){*

*fileName = files[i].replace(/^.\*[\\\/]/, '');*

*copyFileResult = this.\_copyFile(files[i], this.\_userDataPath("../htdocs/spr/temp/" + fileName.replace(/\s+/g, '')));*

*fileUrl = "/\_s\_/spr/temp/" + fileName;*

*this.getFileObject(fileUrl, fileName, function (fileObject) {*

*el.\_file[j] = fileObject;*

*if(fileObject.size==0) throw Error("File Not Found.");*

*el.\_fileFlag = true;*

*j++;*

*if(j==files.length){*

*\_sahi.\_setValue(el, files);*

*\_sahi.\_blur(el);*

*\_sahi.forked = false;*

*\_sahi.afterEval();*

*}*

*});*

*}*

*};*

*Sahi.prototype.\_setFile2 = function (el, v, url, isMultipartRequest, isFileValidation) {*

*isMultipartRequest = (isMultipartRequest===false)?false:true;*

*isFileValidation = (isFileValidation===true)?true:false;*

*if(isMultipartRequest){*

*if(typeof v == "string"){*

*this.\_setFile(el, v, url);*

*}else if(v instanceof Array){*

*for(var i=0;i<v.length;i++){*

*this.\_setFile(el, v[i], url);*

*}*

*}else{*

*throw Error("Only String and Array are allowed for files parameter.");*

*}*

*}*

*var ltIE9 = !document.addEventListener;*

*if(ltIE9){*

*el.outerHTML = el.outerHTML.replace(/type=['"]?file['"]?/, "type=text");*

*var idn = el.name;*

*if (idn == "") idn = el.id;*

*if (idn != "") el = this.\_textbox(idn);*

*}else{*

*el.type = "text";*

*}*

*if(isFileValidation){*

*this.populate\_fileArray(el, v);*

*el.type = "file";*

*this.forked = true;*

*}else{*

*this.\_setValue(el, v);*

*this.\_blur(el);*

*}*

*};*

\_\_sahiDebug\_\_("user\_ext.js: end");

> Copy the below code to the <Sahi\_Pro>\userdata\config\substitutions.xml:

*<rule>*

*<name>fileUpload</name>*

*<urlPattern>.\*main.\*</urlPattern>*

*<isRegExp>true</isRegExp>*

*<find><![CDATA[\.files(?![a-zA-Z].\*)]]></find>*

*<replace><![CDATA[.\_file]]></replace>*

*</rule>*

> Restart the Sahi.  
  
  
Please let us know how it goes.

Thanks,  
Sushma

Can you please add the following line of code in the dashboard.bat file which is present in the <Sahi Folder>\bin\ folder and let us know how it goes?

**-Dhttps.protocols="TLSv1,TLSv1.1,TLSv1.2"**

The command in the dashboard.bat file will look as below:

*java -Djsse.enableSNIExtension=true -Djava.util.logging.config.file=%SAHI\_USERDATA\_DIR\_TMP%\config\log.properties -classpath %SAHI\_EXT\_CLASS\_PATH%;%SAHI\_CLASS\_PATH% net.sf.sahi.ui.Dashboard "%SAHI\_HOME%" "%SAHI\_USERDATA\_DIR\_TMP%"*

Please modify the command as below:

*java -Djsse.enableSNIExtension=true****-Dhttps.protocols="TLSv1,TLSv1.1,TLSv1.2"****-Djava.util.logging.config.file=%SAHI\_USERDATA\_DIR\_TMP%\config\log.properties -classpath %SAHI\_EXT\_CLASS\_PATH%;%SAHI\_CLASS\_PATH% net.sf.sahi.ui.Dashboard "%SAHI\_HOME%" "%SAHI\_USERDATA\_DIR\_TMP%"*

Hi Bharath,

Please provide us with the following information:

1. Are you facing the issue consistently or is it random?

2. Are you facing the issue only on a particular browser or on all the browsers?

3. Screenshot of the proxy settings outside the Sahi.

4. Screenshot of the proxy settings within Sahi.

5. Go to the <Sahi>\userdata\config\ folder and send us the userdata.properties file.

Also, please let us know if you are using an external proxy for running the application. If yes, then please configure the same with Sahi Pro to use the external proxy.

To configure the external proxy please refer the below link.

[*http://sahipro.com/docs/using-sahi/sahi-configuration-basic.html#External%20Proxy*](http://sahipro.com/docs/using-sahi/sahi-configuration-basic.html)

11-05

Payment:::

*function getConfirmedPaymentStatusAPI($property, $Reservation\_Number) {*

*var $URL = $api\_URL+"property/" + $property + "/booking/" +$Reservation\_Number + "?login=api&password=api";*

*\_log($URL);*

*var $data=\_readURL($URL);  //returns contents of the page*

*\_log("-----------------------------------------------------"+$data);*

*var $jsonObject = JSON.parse($data);*

*var $status=$value.data.****status****;  //pass the parameter you need to fetch  
\_log($status);  
return $status;  //returns PC Confirmed*

*}*

Ssl solution url:

<http://sahipro.com/sahipro-troubleshooting-series-ssl-issues/>

18-05

ONSCRIPT FAILURE SENDING EMAULS:

You can call the following function in onScriptError() or onScriptFailure() functions which will send the email.

function sendEmail($emailSubject, $emailBody) {

      var $host = "192.168.1.12";

      var $port = 25;

      var $username = "";

      var $password = "";

      var $isSSL = false; // set to true if you use SSL

      var $mailer = new Packages.net.sf.sahi.ant.Mailer($host, $port, $username, $password, $isSSL);

      var $from = "sahi\_test@example.com";

      var $to = "sahisupport@example.com";

      $mailer.send($from, $to, $emailSubject, $emailBody);

}

sendEmail("Mail from Sahi", "Script Run");

19-05

File Upload fix(\_setFile2)

> Copy the below function to the <Sahi\_Pro>\userdata\config\user\_extensions.js file  
  
Place the function between **\_\_sahiDebug\_\_("user\_ext.js: start");** and **\_\_sahiDebug\_\_("user\_ext.js: end");**  
  
 \_\_sahiDebug\_\_("user\_ext.js: start");

*Sahi.prototype.getFileBlob = function (url, cb) {*

*url = url.replace(/\s+/g, '');*

*var xhr;*

*if (window.XMLHttpRequest) {*

*// code for modern browsers*

*xhr = new XMLHttpRequest();*

*} else {*

*// code for old IE browsers*

*xhr = new\_ActiveXObject("Microsoft.XMLHTTP");*

*}*

*xhr.open("GET", url, true);*

*xhr.responseType = "blob";*

*xhr.addEventListener('load', function() {*

*cb(xhr.response);*

*});*

*xhr.send();*

*};*

*//convert Blob to File*

*Sahi.prototype.blobToFile = function (blob, name, fileType) {*

*blob.lastModifiedDate = new Date();*

*blob.name = name;*

*if(this.\_isIE() || this.\_isSafari()){*

*return blob;*

*}else{*

*return new File([blob], name, {type: blob.type, lastModified: blob.lastModifiedDate, size:blob.size});*

*}*

*};*

*Sahi.prototype.getFileObject = function(fileUrl, fileName, cb) {*

*this.getFileBlob(fileUrl, function(blob) {*

*cb(\_sahi.blobToFile(blob, fileName));*

*});*

*};*

*Sahi.prototype.populate\_fileArray = function(el, files) {*

*if(typeof files == "string") files = [files];*

*el.\_file = [];*

*var i=0,j=0,value;*

*var fileName, copyFileResult, fileUrl;*

*for(i=0;i<files.length;i++){*

*fileName = files[i].replace(/^.\*[\\\/]/, '');*

*copyFileResult = this.\_copyFile(files[i], this.\_userDataPath("../htdocs/spr/temp/" + fileName.replace(/\s+/g, '')));*

*fileUrl = "/\_s\_/spr/temp/" + fileName;*

*this.getFileObject(fileUrl, fileName, function (fileObject) {*

*el.\_file[j] = fileObject;*

*if(fileObject.size==0) throw Error("File Not Found.");*

*el.\_fileFlag = true;*

*j++;*

*if(j==files.length){*

*\_sahi.\_setValue(el, files);*

*\_sahi.\_blur(el);*

*\_sahi.forked = false;*

*\_sahi.afterEval();*

*}*

*});*

*}*

*};*

*Sahi.prototype.\_setFile2 = function (el, v, url, isMultipartRequest, isFileValidation) {*

*isMultipartRequest = (isMultipartRequest===false)?false:true;*

*isFileValidation = (isFileValidation===true)?true:false;*

*if(isMultipartRequest){*

*if(typeof v == "string"){*

*this.\_setFile(el, v, url);*

*}else if(v instanceof Array){*

*for(var i=0;i<v.length;i++){*

*this.\_setFile(el, v[i], url);*

*}*

*}else{*

*throw Error("Only String and Array are allowed for files parameter.");*

*}*

*}*

*var ltIE9 = !document.addEventListener;*

*if(ltIE9){*

*el.outerHTML = el.outerHTML.replace(/type=['"]?file['"]?/, "type=text");*

*var idn = el.name;*

*if (idn == "") idn = el.id;*

*if (idn != "") el = this.\_textbox(idn);*

*}else{*

*el.type = "text";*

*}*

*if(isFileValidation){*

*this.populate\_fileArray(el, v);*

*this.forked = true;*

*}else{*

*this.\_setValue(el, v);*

*this.\_blur(el);*

*}*

*};*  
  
\_\_sahiDebug\_\_("user\_ext.js: end");

> Copy the below code to the <Sahi\_Pro>\userdata\config\substitutions.xml:

*<rule>*

*<name>fileUpload</name>*

*<urlPattern>.\*</urlPattern>*

*<isRegExp>true</isRegExp>*

*<find><![CDATA[\.files(?![a-zA-Z].\*)]]></find>*

*<replace><![CDATA[.\_file]]></replace>*

*</rule>*

21-05-18

How to get cookies and jsession id?  
  
Please try with \_cookie() API and check how it goes.

*var $cookie1=\_cookie($name);*

*\_log($cookie1)*

Please find the documentation for more information.  
[*http://sahipro.com/docs/sahi-apis/http-header-manipulation-apis.html#\_cookie*](http://sahipro.com/docs/sahi-apis/http-header-manipulation-apis.html#_cookie)

You can also try with document.cookie which will return all the session cookies.  
  
For example:

*var $cookie;*

*\_set($cookie,document.cookie)*

*//\_log($cookie)*

*$cookie=\_extract($cookie,"/JSESSIONID=(.\*);/",true);*

*\_log($cookie[0]);*

Please let us know if you are unable to extract proper value.

11-06

Q) How to unzip the zip file?

net.sf.sahi.util.ZipUtils().unzip($zipPath,$unzipPath)

Q)How to delete all the folders in a directory?

var $destination = "C:\\Users\\Acer\\SahiPro7.5.0\\userdata\\pratik"; // Folder that you want to delete.

org.apache.commons.io.FileUtils.deleteDirectory(java.io.File($destination));

**Jenkins:**

<https://updates.jenkins-ci.org/download/war/> for downloading Jenkins.war file.

In Jenkins, for getting html reports with styles we have to start the Jenkins.war with below command

java "-Dhudson.model.DirectoryBrowserSupport.CSP=\"\"" -jar jenkins.war

25-06

*\_click(\_radio("/jsfwmp****.\*****:defaultForm:queryResultTable:\_\_row"****+$BIN+****":selectRowCheckbox/"));*

We have added the following API in your script for solving slow execution issue during the last meeting. Can you please add the below line in your script and check how it goes?  
  
\_setWaitTimes(0,15000,0);  
\_click($el); //this lines are already existing one  
  
// steps  
  
**\_setWaitTimes(60000,60000,60000)**;  // add this line after above steps  
  
Save the script, execute and check again.

Q)How to get the session id of remte machine

Command:qwinsta

26-06

Java heap issue tickets:

<https://crm.sahipro.com/support/scp/tickets.php?id=11397>

svg elements

Hi Jyotshna,  
  
To perform action on SVG image element, you need to add custom element in <Sahi Pro>\userdata\config\custom\_html.json file.  
  
Please follow the below steps and check how it goes.  
  
To identify the SVG image elements on the map, please add the custom attribute in the <Sahi Pro>\userdata\config\custom\_html.json file as below.

[

// Add your custom accessor metadata here. Eg.

// {"tag": "DIV", "type": null, "event":"click", "name": "\_div", "attributes": ["encaps\_/PAPER/", "sahiText", "id", "className", "index"], "action": "\_click", "value": "sahiText"},

**{"tag": "image", "type": null, "event":"click", "name": "\_svg\_image", "attributes": ["getString($el)","sahiText", "id", "className", "index"], "action": "\_click", "value": "getString($el)"},**

]  
  
> After adding the attribute, **please restart the Sahi Pro** and try identifying the SVG elements and check.  
  
> Please run the below sample code and check how it goes.

*\_mouseOver(\_svg\_image(1));*

*\_getText(\_cell(0,\_rightOf(\_cell("Address:")),\_in(\_div("esriPopupWrapper"))));*

*\_getText(\_cell(0,\_rightOf(\_cell("District code:")),\_in(\_div("esriPopupWrapper"))));*  
  
Please try and let us know how it goes.  
  
With regards,  
Kiran

**We do not recommend to use Sahi as a service because** if you start Sahi as service, browser launched through Sahi service will also be launched as a service and they will not have a UI. You might face random failures and your tests may not be reliable.  
  
You can use autologon to auto login and start Sahi to run your tests.

To configure autologon, please follow steps below:

1) Download Autologon from the following link: <http://technet.microsoft.com/en-us/sysinternals/bb963905>

2) Extract the files in the zip downloaded and launch Autologon.exe

3) Add your windows login credentials when prompted to do so and click on Enable.

Autologon is configured.

Autologon enables you to easily configure Windows’ built-in autologon mechanism. Instead of waiting for a user to enter their name and password, windows uses the credentials you enter with Autologon, which are encrypted in the Registry, to log on the specified user automatically.

4) Click the Start button, click All Programs, right-click the Startup folder, and then click Open. If on Windows 8/10, press windows key, search for and click "Run". Enter **shell:startup** in the textbox and click OK. It will open up a 'Startup' folder.

5) Add the shortcut to launch Sahi Pro in this folder.

The above configuration will automatically login into the VM and start Sahi Pro for you. You can run the scheduled batch files without starting Sahi.

Hope this helps.

Please let us know if we have misunderstood your requirement.

03/07/18

**Ajax pages are not loading**

[**https://sahipro.com/docs/troubleshooting/page-rendering.html**](https://sahipro.com/docs/troubleshooting/page-rendering.html)