Migration Web

**1. LogIn.jsp**

<table width=*"100%"* border=*"0"* cellspacing=*"0"* cellpadding=*"0"*>

<tbody>

<tr style="align: *left*">

<td>

<table cellpadding=*"0"* cellspacing=*"0"* border=*"0"* width=*"100%"* height=*"40px"* background=*"resources/img/top-background.gif"*>

<tbody>

<tr>

<td><img src=*"resources/img/banner.png"* width=*"580px"* height=*"44px"* border=*"0"* /></td>

<td width=*"70"*><img src=*"resources/img/banner-logo.gif"* width=*"100"* height=*"42"* border=*"0"* /></td>

</tr>

</tbody>

</table></td>

</tr>

</tbody>

</table>



Showing the title of this webpage.

<form id=*"userForm"* name=*"userForm"* method=*"post"*>

<table width=*"100%"* height=*"70%"* border=*"0"* cellpadding=*"0"* cellspacing=*"0"*>

<tbody>

<tr>

<td>

<table cellspacing=*"0"* cellpadding=*"0"* width=*"450"* align=*"center"* border=*"0"*>

<tbody>

<tr align=*"center"*>

<td height=*"18px"* colspan=*"2"*></td>

</tr>

<tr>

<td align=*"left"* colspan=*"2"*>

<table align=*"left"* style="margin-left: *100px*">

<tbody>

<tr>

<td align=*"center"* style="font-weight: *600*; font-size: *28px*;">TREND MICRO</td>

</tr>

<tr>

<td align=*"center"* style="color: *red*; font-weight: *600*; font-size: *24px*;">Migration Tool</td>

</tr>

<tr>

<!-- <td align="center" style="color: red; font-weight: 600; font-size: 19px;">V6.0</td> -->

</tr>

</tbody>

</table> </td>

</tr>

<tr>

<td nowrap=*""*><strong>Please type your username and password to access the product console.</strong></td>

</tr>

<tr align=*"center"*>

<td align=*"left"* colspan=*"2"* height=*"24"*>&nbsp;</td>

</tr>

<tr align=*"center"*>

<td nowrap=*""* align=*"left"* colspan=*"2"*>

<table cellspacing=*"0"* cellpadding=*"0"* border=*"0"*>

<tbody>

<tr>

<td>&nbsp;&nbsp;&nbsp;<strong>Username:</strong>&nbsp;&nbsp;&nbsp;&nbsp; </td>

<td nowrap=*""*><input type=*"text"* name=*"username"* id=*"user\_name\_input"* style="width: *200px*;" /></td>

</tr>

<tr align=*"center"*>

<td align=*"left"* colspan=*"2"* height=*"15"*>&nbsp;</td>

</tr>

<tr>

<td>&nbsp;&nbsp;&nbsp;<strong>Password:</strong></td>

<td nowrap=*""*><input type=*"password"* name=*"pwd"* id=*"user\_password"* style="width: *200px*;" /></td>

</tr>

<tr>

<td></td>

<td><span id=*"prompt\_msg"* style="color: *red*"></span></td>

</tr>

<tr align=*"center"*>

<td height=*"15px"* colspan=*"2"*></td>

</tr>

<tr>

<td></td>

<tr id=*"warningmsg"* style="display:*none*"><td style="color:*#FF0000*; font-weight:*bold*;" colspan=*"2"*>An error occurred during login:<br> You have entered an invalid username or password</td> <tr>

<td><input id=*"loginbutton"* type=*"button"* name=*"login"* value=*"Login.."* /> &nbsp;&nbsp;&nbsp;&nbsp;</td>

</tr>

<tr align=*"center"*>

<td height=*"6px"* colspan=*"2"*></td>

</tr>

<tr>

<td></td>

<td align=*"center"*><span style="width: *220*; font-family: *Calibri*;">Please log on with domain credentials.</span></td>

</tr>

</tbody>

</table></td>

</tr>

</tbody>

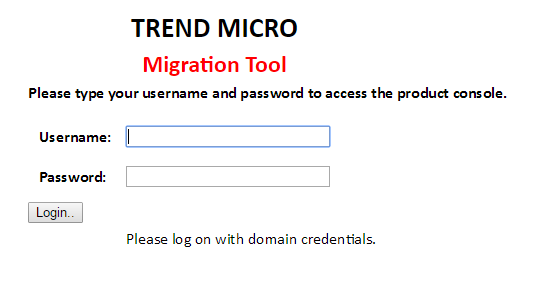
</table> </td>

</tr>

</tbody>

</table>

</form>



Showing the main part of login.

<table cellpadding=*"3"* width=*"100%"*>

<tbody>

<tr valign=*"top"*>

</tr>

<tr align=*"center"*>

<td height=*"36"* colspan=*"2"*></td>

</tr>

<tr valign=*"top"*>

<td align=*"center"* style="font-family: *Calibri*;">Copyright 1999-2014 Trend Micro Incorporated. All rights reserved.</td>

</tr>

<tr>

<td align=*"center"* style="font-family: *Calibri*;">Supported browsers: IE9, Google Chrome, Firefox</td>

</tr>

</tbody>

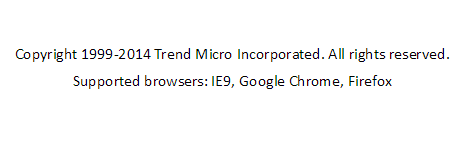
</table>

</div>

<script type=*"text/javascript"*>

document.getElementById('user\_name\_input').focus();

</script>



Showing the copyright of this page.

**LogIn.js**

**var** cookieUserName = $.cookie("userName");

**var** cookiePasswd = $.cookie("passwd");

**if**(cookieUserName != **null** && cookiePasswd != **null**) {

login(cookieUserName, cookiePasswd);

}

loginButton.click(**function**() {

**var** userName = $("#user\_name\_input").val();

**var** passwd = $("#user\_password").val();

login(userName, passwd);

});

$(document).keydown(**function**(e){

**var** curKey = e.which;

**if**(curKey == 13){

loginButton.click();

**return** **false**;

}

});

This javascript code checks username and password in cookie, if exists, log in by cookie, or log in by input component.

**function** login(userName, passwd) {

$.ajax({

type: "post",

dataType: "json",

url: "login",

data: {

userName: userName,

passwd: passwd

},

success: **function**(response) {

**if**(response === **false**) {

// log in failure

$("#warningmsg").show();

} **else** {

// log in success

$("#warningmsg").hide();

$.cookie("userName", userName);

$.cookie("passwd", passwd);

$.cookie("target", "Branch");

window.location.href = "";

}

},

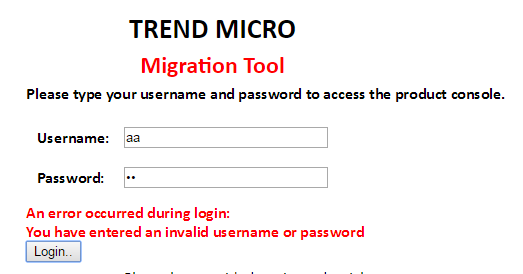
error: **function**(XMLHttpRequest, textStatus, errorThrown) {

showMessage(XMLHttpRequest.status);

}

});

}



This javascript code submits username and password to server by ajax. If failure, give a hint, or add username and password into cookie and redirect to branch webpage.

**2. Branch.jsp**

<div class=*"logdivclass"*>

Logged in as ${userName } &nbsp;|&nbsp; <a class=*"logdivlinkclass"*>Log out</a>

</div>



Showing the log out module after logging in.

<td class=*"img"*><img src=*"resources/img/export-mini.png"* alt=*"export"*></td>

<td class=*"export"* valign=*"top"* width=*"20%"* style="height: *128px*;">

<h1 class=*"smalltitle"* style="text-align: *left*;">Migration Tools</h1>

<h4 class=*"smallltext"* style="text-align: *left*;">TestRail &lt;==&gt; SCTM</h4>

<a id=*"function1"* class=*"actionType"*>

<span>Go To Migrate Tests</span></a>

</td>



Showing the main entrance of Migration Tools.

<td class=*"img"*><img src=*"resources/img/import-mini.png"* alt=*"export"*></td>

<td class=*"import"* valign=*"top"* width=*"20%"*>

<h1 class=*"smalltitle"* style="text-align: *left*;">Inactive Users</h1>

<h4 class=*"smallltext"* style="text-align: *left*;">Inactive/Active Users</h4>

<a id=*"function2"* class=*"actionType"*>

<span>Go To Inactive</span></a>

</td>



Showing the main entrance of Inactive Users Tools.

**Branch.js**

**var** link1 = $("#function1");

**var** link2 = $("#function2");

**var** backgroundColor = link1.css("background-color");

link1.hover(**function**() {

link1.css("background-color", link1.css("color"));

link1.css("color", "#FFFFFF");

$(**this**).css("cursor","pointer");

}, **function**() {

link1.css("color", link1.css("background-color"));

link1.css("background-color", backgroundColor);

$(**this**).css("cursor","default");

});

link2.hover(**function**() {

link2.css("background-color", link1.css("color"));

link2.css("color", "#FFFFFF");

$(**this**).css("cursor","pointer");

}, **function**() {

link2.css("color", link2.css("background-color"));

link2.css("background-color", backgroundColor);

$(**this**).css("cursor","default");

});

This part of javacript code helps: 1. Present different colors when mouse cursor hovers over the button of entrance; 2. Present different shapes (hand/pointer) when mouse cursor hovers over the button of entrance.



**var** logOutLink = $(".logdivlinkclass");

logOutLink.hover(**function**() {

$(**this**).css("cursor","pointer");

}, **function**() {

$(**this**).css("cursor","default");

});

This part of javacript code help present different shapes (hand/pointer) when mouse cursor hovers over the text of “log out”.

logOutLink.click(**function**() {

$.cookie("userName", "", { expires: -1 });

$.cookie("passwd", "", { expires: -1 });

$.cookie("target", "", { expires: -1 });

$.cookie("subtarget", "", { expires: -1 });

window.location.href = "";

});

When text of “log out” is clicked, the cookie will delete all information on logging in and webpage will be redirected to logging in page.

link1.click(**function**() {

**var** target = "TransferCase";

$.cookie("subtarget", target);

$("#loading\_main\_page").show();

……

}

When first button of entrance is clicked, it will bring you to page “migration tools”

link2.click(**function**() {

**var** target = "index";

$.cookie("subtarget", target);

window.location.href = "function";

});

When second button of entrance is clicked, it will bring you to page “inactive user tools”

**3. TransferCase.jsp**

<div class=*"productBanner"*>

<div>

<a id=*"lkLogo"* href=*"#"* title=*"Product Title"*>

<img id=*"imLogo"* src=*"resources/img/tsr\_logo.png"* alt=*"Trend Micro Logo"* border=*"0"*></a>

</div></div>



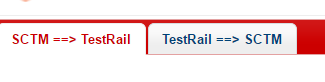
This shows the title bar of Migration Tool.

<ul>

<li><a href=*"#tabs-1"*>SCTM ==> TestRail</a></li>

<li><a href=*"#tabs-2"*>TestRail ==> SCTM</a></li>

</ul>



Jquery-ui is adapted in this page. The above html code creates tabs for 2 pages named “SCTM 🡺 TestRail” and “TestRail 🡺 SCTM”.

<div id=*"tabs-1"*>

<div id=*"container"* style="padding-top: *25px*; padding-left: *25px*;">

<table class=*"table"*>

<tr>

<td class=*"tdLeft"*><span style="color: *#F00*;">\*</span>SCTM Project:</td>

<td class=*"tdRight"*><select id=*"project"* style="width: *500px*;" onchange=*"sctmProjectChange()"*></select></td>

</tr>

<tr>

<td class=*"tdLeft"*><span style="color: *#F00*;">\*</span>Project Type:</td>

<td class=*"tdRight"*>

<input id=*""* type=*"radio"* name=*"createProjectType"* value=*"3"* checked=*"checked"* />multiple test suites to manage cases

<input id=*""* type=*"radio"* name=*"createProjectType"* value=*"2"* />single repository with baseline support

<input id=*""* type=*"radio"* name=*"createProjectType"* value=*"1"* /> single repository for all cases

</td>

</tr>

<tr>

<td class=*"tdLeft"*><span style="color: *#F00*;">\*</span>TestRail Project Name:</td>

<td class=*"tdRight"*><input type=*"text"* id=*"testRailProjectName"* name=*"testRailProjectName"* style="width:*500px*;"></input></td>

</tr>

</table>

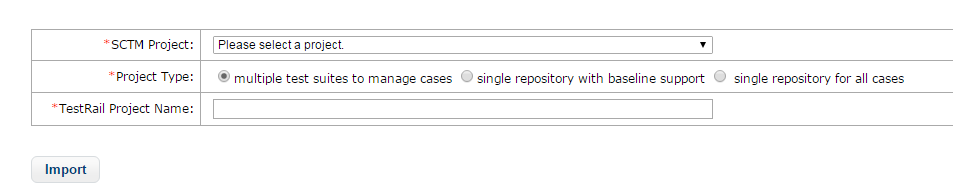
<br> <br>

<button id=*"import"* type=*"button"* onclick="transferCase()">Import</button>

<div align=*"center"* id=*"loading\_page"* style="font-size: *14px*; color: *#F00*; display: *none*; padding-top: *20px*; text-align: *top*;">Importing data.... <span><img src=*"resources/img/loading.gif"* style="height: *23px*; width: *23px*; vertical-align: *top*;"></span>

</div>

</div>



This html code creates a table, which has 3 rows of SCTM Project, Project Type and TestRail Project Name. At the same time, a hidden loading picture in under this table. When a transferring begins, it will come to our sight.

<div id=*"tabs-2"*>

<div id=*"container3"*

style="padding-top: *25px*; padding-left: *25px*; height: *auto*;">

<div id=*"accordion"*>

<h3 id=*"accordion-tab1"*>Project Name Definition</h3>

<div>

<table class=*"table"*>

<tr>

<td class=*"tdLeft"*><span style="color: *#F00*;">\*</span>TestRail Project:</td>

<td class=*"tdRight"*><select id=*"project2"* style="width: *500px*;" onchange=*"testRailProjectChange()"*></select></td>

</tr>

<tr>

<td class=*"tdLeft"*><span style="color: *#F00*;">\*</span>SCTM Project Name:</td>

<td class=*"tdRight"*><input type=*"text"* id=*"SCTMProjectName2"* name=*"SCTMProjectName"* style="width:*500px*;"></input></td>

</tr>

<tr>

<td class=*"tdLeft"*><span style="color: *#F00*;">\*</span>SCTM Product Choice:</td>

<td class=*"tdRight productModeChoice"*>

<input type=*"radio"* name = *"product choice"* value=*"1"* checked=*"checked"*/> select one product for all containers

<select id=*"productselect"* style="width: *500px*;"></select> <br>

<input type=*"radio"* name = *"product choice"* value=*"2"*/> select products respectively

</td>

</tr>

</table>

</div>

<br><br>

<h3 id=*"accordion-tab2"*>Product Assignment</h3>

<div>

<table id=*"productChoiceTable"* class=*"table"* style="width:*60%*;">

<tr class=*"firstLine"*><td>suite id</td> <td>suite/container name</td> <td>product</td> </tr>

</table>

</div>

<br><br>

<h3 id=*"accordion-tab3"*>Group Assignment</h3>

<div>

<table id=*"groupChoiceTable"* class=*"table tdcenter"* style="width:*auto*; text-align:*center*;">

<tr class=*"firstLine"*><td></td><td>group id</td> <td>group name</td> <td>description</td> </tr>

</table>

</div>

</div> <!-- end of accordion -->

<br><br>

<button id=*"import2"* style="align:*right*; margin-right:*50pt*" type=*"button"* onclick="transferCase2()">Import</button>

<div align=*"center"* id=*"loading\_page2"*

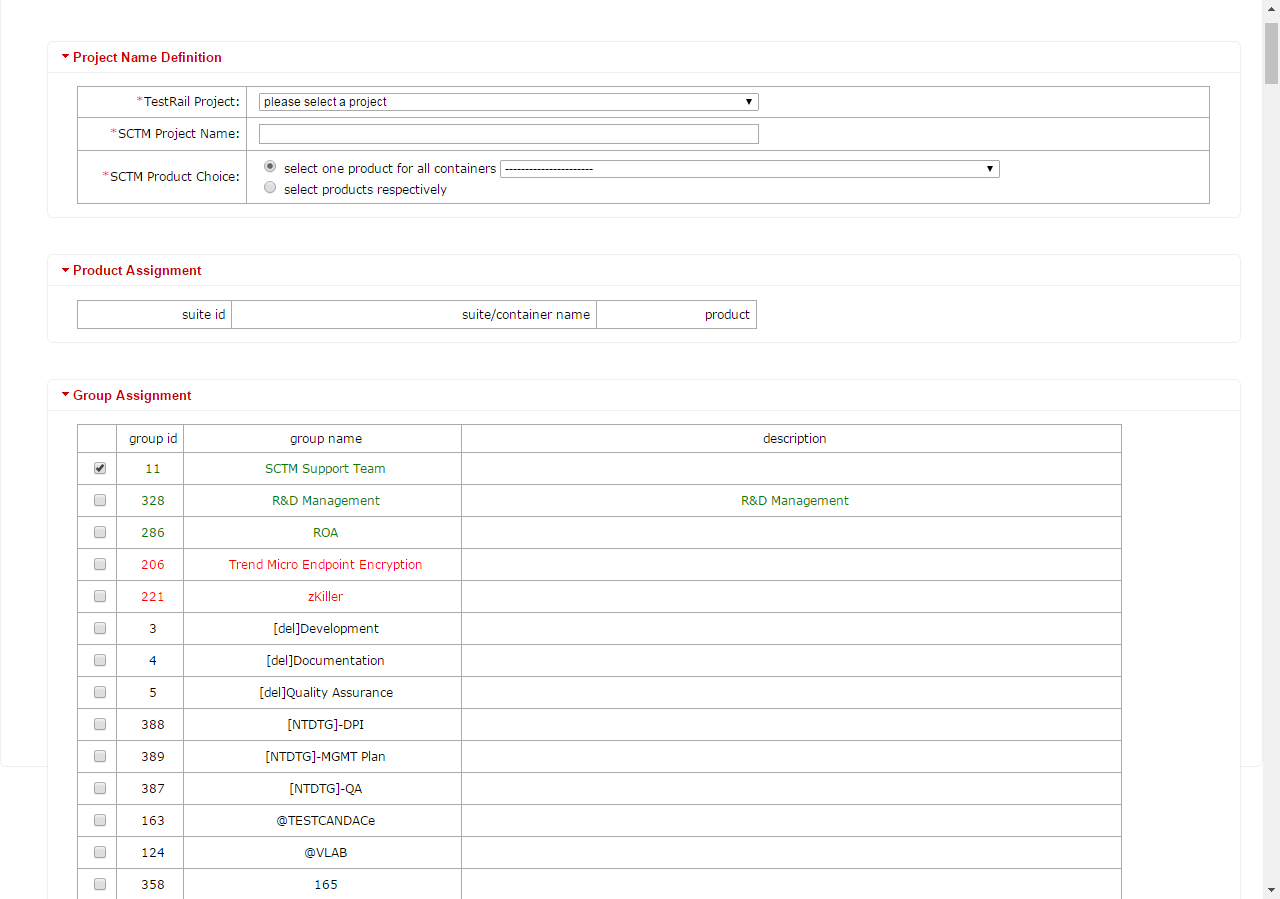
style="font-size: *14px*; color: *#F00*; display: *none*; padding-top: *20px*; text-align: *top*;"> Importing data.... <span><img src=*"resources/img/loading.gif"* style="height: *23px*; width: *23px*; vertical-align: *top*;"></span>

</div>

</div>

</div>

<script> $(**function**() {$( "#accordion" ).multiAccordion({active:[0]});}) </script>



This page contains 3 multi-accordions. First one is a table contains basic information of transference. Second one shows production information and the third one presents group information. Contents of the three accordions are loaded dynamically in JavaScript code.

**TransferCase.js**

**var** mydiv = $("<div></div>");

mydiv.appendTo("body");

**function** myalert(mytitle, content) {

mydiv.attr("title", mytitle);

mydiv.html(content);

mydiv.css({height: 'auto'});

mydiv.dialog({

resizable: **true**,

modal: **true**,

title: mytitle,

stack: **false**,

buttons: {"OK": **function**() {

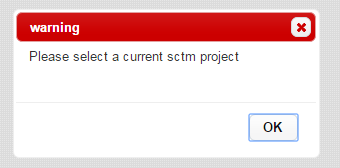
$(**this**).dialog("close");

}

}

});

}



This code defines a div (act as a dialog). While “myalert” function is called, the dialog will show up.

**var** sctmprojects\_response;

**var** sctmproducts\_response;

**var** testrailprojects\_response;

**var** testrailgroups\_response;

**var** userGroups\_response, sctmSupportTeamId\_response;

$(document).ready(**function**() {

$("#import").button();

$('#import').removeAttr("disabled");

$("#tabs").tabs();

$("#move").button();

$('#move').removeAttr("disabled");

$("#import2").button();

$('#import2').removeAttr("disabled");

sctmprojects\_response = JSON.parse($.session.get("sctmprojects"));

sctmproducts\_response = JSON.parse($.session.get("sctmproducts"));

testrailprojects\_response = JSON.parse($.session.get("testrailprojects"));

testrailgroups\_response = JSON.parse($.session.get("testrailgroups"));

userGroups\_response = JSON.parse($.session.get("userGroups"));

sctmSupportTeamId\_response = JSON.parse($.session.get("SCTMSupportTeamId"));

bindProject(sctmprojects\_response);

bindTestRailProjectInCopy();

sherlockaddedfunction();

$("#mainpart").show();

$("#loading\_main\_page").hide();

});

This code defines variables loaded from branch page. When they are sent to migration page, they will be achieved from session and desterilized via json. At the same time, components are initialed and be showed correctly.

**function** traverseObject(obj) {

**var** str = "";

**for** (**var** i **in** obj) {

str = str + "{{" + i + "}} -> " + obj[i] + "\n";

}

**return** str;

}

This function can print each field in an object variable, which is used to test.

**function** mapKeySetContains(map, element) {

**for**(**var** key **in** map) {

**if**(("" + element) === key) **return** **true**;

}

**return** **false**;

}

This function helps judge if the keyset of a map construction contains some element.

**function** arrayContains(array, element) {

**var** index = array.indexOf(element);

**return** index != -1;

}

This function helps judge if an array contains some element.

**function** arrayMoveToFirst(array, index) {

array.unshift(array[index]);

array.splice(index + 1, 1);

}

This function helps move some element to the top of array. For example, array=[0,1,2,3,4], than arrayMoveToFirst(array, 3) makes array [3,0,1,2,4].

**var** response = testrailprojects\_response;

**var** title = "please select a project";

$("#project2").append($("<option>").text(title).val(-1).attr("title", -1));

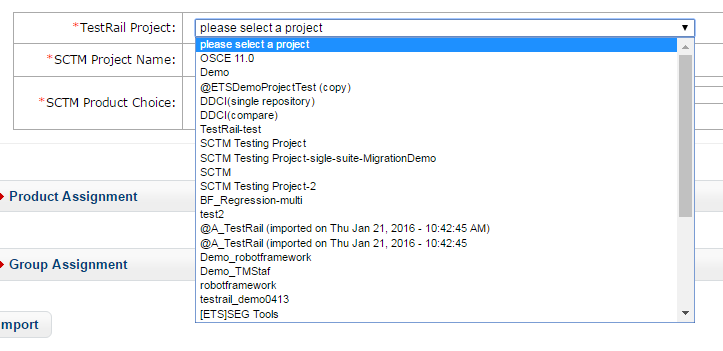
**for** (**var** i = 0; i < response.length; i++) {

**var** projectid = response[i].id;

**var** content = response[i].name;

$("#project2").append($("<option>").text(content).val(-1).attr("title", projectid));

}



This added project names into the select component in tab 2.

response = sctmproducts\_response;

products = response;

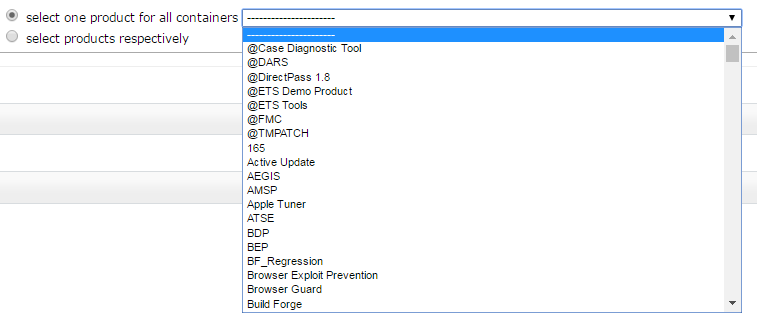
**for** (**var** i = 0; i < response.length; i++) {

**var** projectid = response[i].id;

**var** content = response[i].name;

$("#productselect").append($("<option>").text(content).val(-1).attr("title", projectid));

}



This added production names into the select component in tab 2.

**var** radios = $('.productModeChoice input[name="product choice"]');

radios.each(**function**() {

**var** radio = $(**this**);

**var** table = $("#productChoiceTable");

**var** mainselect = $("#productselect");

**if**(radio.val() === "1") {

radio.click(**function**() {

mainselect.attr("disabled",**false**);

$("#productChoiceTable select").attr("disabled", **true**);

**var** tab2 = $("#accordion-tab2");

**if**(!tab2.hasClass('ui-state-default')) {

tab2.click();

}

});

} **else** **if**(radio.val() === "2") {

radio.click(**function**() {

mainselect.attr("disabled",**true**);

$("#productChoiceTable select").attr("disabled", **false**);

**var** tab2 = $("#accordion-tab2");

**if**(tab2.hasClass('ui-state-default')) {

tab2.click();

}

});

}

});

When the radios are selected/deselected, the second accordion is open/closed automatically.

// group handle

**var** groupTable = $("#groupChoiceTable");

// sequence handle

testrailgroups\_response.sort(**function**(arg1, arg2) {

**if**(arg1.id === arg2.id)

**return** 0;

**if**(arg1.id === sctmSupportTeamId\_response && arg2.id != sctmSupportTeamId\_response)

**return** -1;

**if**(arg1.id != sctmSupportTeamId\_response && arg2.id === sctmSupportTeamId\_response)

**return** 1;

**if**(mapKeySetContains(userGroups\_response, arg1.id) && !mapKeySetContains(userGroups\_response, arg2.id))

**return** -1;

**if**(!mapKeySetContains(userGroups\_response, arg1.id) && mapKeySetContains(userGroups\_response, arg2.id))

**return** 1;

**if**(!mapKeySetContains(userGroups\_response, arg1.id) && !mapKeySetContains(userGroups\_response, arg2.id))

**return** arg1.name.localeCompare(arg2.name);

**if**(mapKeySetContains(userGroups\_response, arg1.id) && mapKeySetContains(userGroups\_response, arg2.id)) {

**if**(userGroups\_response[arg1.id] != userGroups\_response[arg2.id])

**return** userGroups\_response[arg1.id] - userGroups\_response[arg2.id];

**return** arg1.name.localeCompare(arg2.name);

}

});

**var** checkedRowIds = **new** Array();

checkedRowIds.push(sctmSupportTeamId\_response);

**for** (**var** i = 0; i < testrailgroups\_response.length; i++) {

**if**(userGroups\_response["" + testrailgroups\_response[i].id] === 1) {

checkedRowIds.push(testrailgroups\_response[i].id);

**break**;

}

}

**for**(**var** i = 0; i < testrailgroups\_response.length; i++) {

**var** lineCmd = "<tr>" +

"<td><input type='checkbox' title=\'" +

testrailgroups\_response[i].id +

"\' " +

(arrayContains(checkedRowIds, testrailgroups\_response[i].id)? "checked=\'checked\'": "") +

"/></td>" +

"<td>" + testrailgroups\_response[i].id + "</td>" +

"<td>" + testrailgroups\_response[i].name + "</td>" +

"<td>" + testrailgroups\_response[i].description + "</td>" +

"</tr>";

**var** line = $(lineCmd);

**if**(mapKeySetContains(userGroups\_response, testrailgroups\_response[i].id)) {

**var** color;

**if**(userGroups\_response[testrailgroups\_response[i].id] === 1)

color = "green";

**else** color = "red";

line.css("color", color);

}

groupTable.append(line);

}

The groups rows are added dynamically and the sequence is sorted by type and name. At the same time, different types are used different colors.

**var** testRailProjectChange = **function**() {

$("#SCTMProjectName2").val($("#project2").find("option:selected").text());

$.ajax({

type : "post",

dataType : "json",

url : "GetTestRailSuites",

data: {importProjectId: $("#project2").find("option:selected").attr("title")},

success : **function**(response) {

**var** table = $("#productChoiceTable");

$("#productChoiceTable tr").not(".firstLine").remove();

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

**var** suiteName = response[i].name;

**var** suiteId = response[i].id;

table.append("<tr><td>"+suiteId+"</td><td>"+suiteName+"</td><td><select id=\"innerid"+i+"\"style=\"width: 400px;\"></select></td></tr>");

}

**var** allselectors = $("#productChoiceTable select");

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

**var** projectid = products[i].id;

**var** content = products[i].name;

allselectors.append($("<option>").text(content).val(-1).attr("title", projectid));

}

**var** radioCheckVal = $('.productModeChoice input[name="product choice"]:checked').val();

**if**(radioCheckVal === "1")

allselectors.attr("disabled", **true**);

},

error : **function**(XMLHttpRequest, textStatus, errorThrown) {

showMessage(XMLHttpRequest.status);

}

});

}

When project name of TestRail is changed, the name to import will be changed respectively. At the same time, suites’ names will be conducted from the server, for each suite, production will be chosen.

**var** processbarContinue;

**var** sessionId;

**function** askFunction(picId) {

$.ajax({type:"post", dataType:"json", url:"askForProcess", data:{sessionId: sessionId+""}, success:**function**(r){

$("#" + picId).text("Importing data.... " + r.desc);

**var** img = $("<span><img src='resources/img/loading.gif'style='height: 23px; width: 23px; vertical-align: top;'></span>");

$("#" + picId).append(img);

}, error: **function**(XMLHttpRequest, textStatus, errorThrown){ console.log(XMLHttpRequest);console.log(textStatus);console.log(errorThrown); }});

**if**(processbarContinue === **true**)

setTimeout(askFunction, 800, picId);

}

This recursion function will check the process of transferring every 800 milliseconds. The result will be shown beside the loading picture.

**var** transferCase2 = **function**() {

**var** productChoices = $('.productModeChoice input[name="product choice"]:checked ').val();

$('#import2').attr('disabled', "true");

$("#loading\_page2").show();

**var** productsInfo = **new** Array();

**if**(productChoices === "1")

productsInfo.push($("#productselect").find("option:selected").attr("title"));

**else** {

**var** allselectors = $("#productChoiceTable select");

allselectors.each(**function**() {

**var** productId = $(**this**).find("option:selected").attr("title");

productsInfo.push(productId);

});

}

**var** groupsInfo = **new** Array();

$("#groupChoiceTable input:checkbox:checked").each(**function**() {

groupsInfo.push($(**this**).attr("title"));

});

**var** greenRow = **new** Array();

**for** (**var** key **in** userGroups\_response){

**if**(userGroups\_response[key] === 1)

greenRow.push(key);

}

**if**(groupsInfo.length == 0) {

$('#import2').removeAttr("disabled");

$("#loading\_page2").hide();

processbarContinue = **false**;

myalert("warning", "you should choose at least one group");

}

**else** {

processbarContinue = **true**;

**var** date = **new** Date();

sessionId = "" + date.getSeconds() + date.getMilliseconds() +

Math.floor(Math.random() \* 100000 + 1);

askFunction("loading\_page2");

$.ajax({

type : "post",

dataType : "json",

url : "import2",

data: {

importProjectId: $("#project2").find("option:selected").attr("title"),

importProjectName: $("#project2").find("option:selected").val(),

importOutName: $("#SCTMProjectName2").val(),

importProducts: productsInfo.reduce(**function**(x, y) {

**return** x + ", " + y

}),

importGroups: groupsInfo.reduce(**function**(x, y) {

**return** x + ", " + y

}),

userGroups: greenRow.reduce(**function**(x, y) {

**return** x + ", " + y

}),

sessionId: sessionId + "",

},

success : **function**(response) {

$('#import2').removeAttr("disabled");

$("#loading\_page2").hide();

processbarContinue = **false**;

**var** code = response.code;

**var** desc = response.desc;

**if**(code === 0)

myalert("success", "Finished.");

**else** **if**(code === -1)

myalert("warning", "You have to select a project");

**else** **if**(code === -2)

myalert("warning", "Forbidden: "+$("#SCTMProjectName2").val()+" had existed in SCTM project, Cannot do transfer operation.");

**else** **if**(code === -4)

myalert("warning", "Forbidden: you should ensure to have the permission to operate the project");

**else** // if(code === -3)

myalert("warning", "Transfer failed. " + desc);

},

error : **function**(XMLHttpRequest, textStatus, errorThrown) {

$('#import2').removeAttr("disabled");

$("#loading\_page2").hide();

showMessage(XMLHttpRequest.status);

processbarContinue = **false**;

}

});

}

}

This is the main part of transferring cases from TestRail to SCTM. First, group selection will be checked, if no green rows are chosen, it will give an error hint. Second, the “ask for process” will be started and a random session id will be generated. Then, the migration begins, data are transported to server and response will be received. Different response will tell you if the migration is done successfully, and if not, what error message should be displayed. The rest of the Javascript code is similar to the above.