
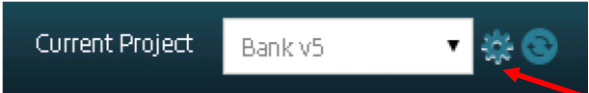

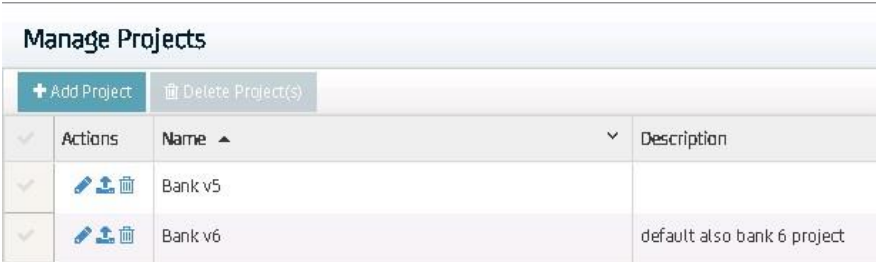










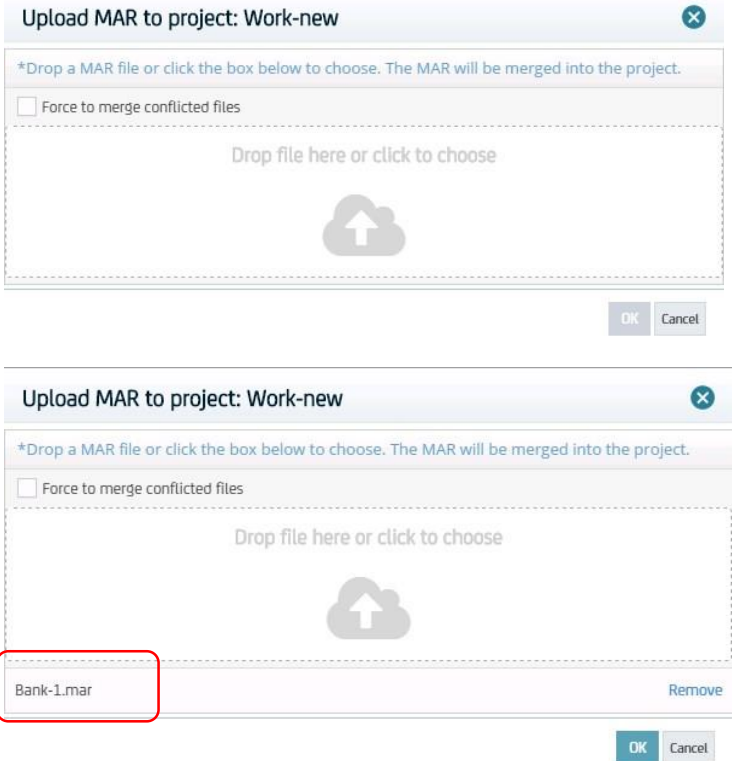

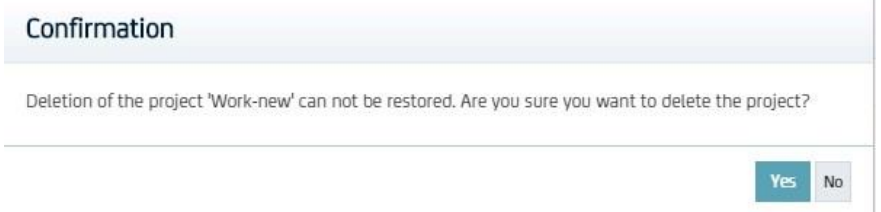




DevTest 8.1 –How To - Enterprise Common Components

New feature – Open/Create Projects in DevTest Portal

 <p>s</p>	<p>Starting 8.0, the LISA_HOME contains a new folder called as Project. The Bank v5 and Bank v6 projects reside there out of the box. Starting with 8.1, we now have the ability to</p> <ul style="list-style-type: none">- Create a new project from the DevTest Portal- Edit an existing project- Delete a project - Rename a project- Upload a Mar file
	<p>To use this new feature, click on the  icon that opens up the Manage Projects UI</p>
	<p>Once the Manage Projects screen opens, you will see the default projects Bank v5 and Bank v6.</p>

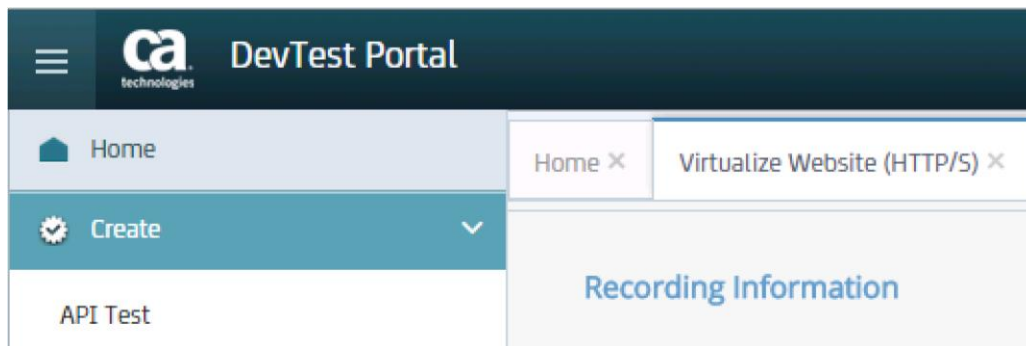
<div data-bbox="219 205 1084 478"><div>Add Project</div><div><div>*Project Name:</div><div>Work</div></div><div><div>Description:</div><div>My Work Project</div></div><div><div>OK</div><div>Cancel</div></div></div>	<p>Click on the Add Projects button to add a new Project</p>
<div data-bbox="219 638 1084 699"><div><div></div><div>Work</div><div>My Work Project</div></div></div>	<p>A new entry will be added for the Work project</p>
<div data-bbox="203 743 1084 1171"><div>S</div><div><div><div></div><div>Work</div><div>My Work Project</div></div></div><div><div>Edit Project - Work</div><div><div>*Project Name:</div><div>Work-new</div></div><div><div>Description:</div><div>My Work Project</div></div><div><div>OK</div><div>Cancel</div></div></div></div>	<div><div></div><div>Select the newly created project</div></div> <div><div></div><div>called Work and click on the edit icon</div></div> <div><div>. Enter a new name called Work-new and click Ok</div></div>

 <p>Upload MAR to project: Work-new</p> <p>*Drop a MAR file or click the box below to choose. The MAR will be merged into the project.</p> <p><input type="checkbox"/> Force to merge conflicted files</p> <p>Drop file here or click to choose</p> <p>OK Cancel</p> <p>Upload MAR to project: Work-new</p> <p>*Drop a MAR file or click the box below to choose. The MAR will be merged into the project.</p> <p><input type="checkbox"/> Force to merge conflicted files</p> <p>Drop file here or click to choose</p> <p>Bank-1.mar Remove</p> <p>OK Cancel</p>	<p>To upload a Mar file into the Work-new project, click on the  icon. You can drag and drop a Mar file or browse to the path of a Mar file. Choose a Mar file and Click Ok</p> <p>If the Mar file already exists in that folder and you want to merge the old and new Mar file, then check the option for <input type="checkbox"/> Force to merge conflicted files and click Ok.</p> <p>The mar file will be uploaded to that project folder.</p>
 <p>Confirmation</p> <p>Deletion of the project 'Work-new' can not be restored. Are you sure you want to delete the project?</p> <p>Yes No</p>	<p>To delete the project, select the project  called Work-new and then click on the delete icon . You will be prompted with a confirmation message.</p> <p>Click Yes to delete the folder.</p>

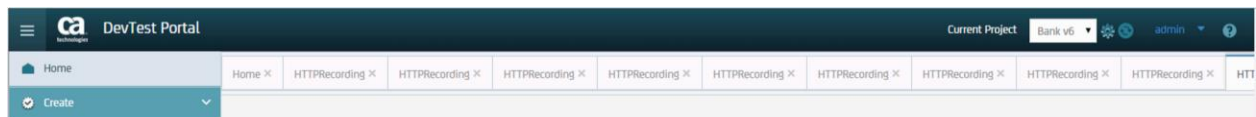
DevTest 8.1 –How To – Service Virtualization

New feature – Ability to record multiple virtual services

Previously until 8.0.2 you could only open a single recording tab in any browser instance of the DevTest Portal.



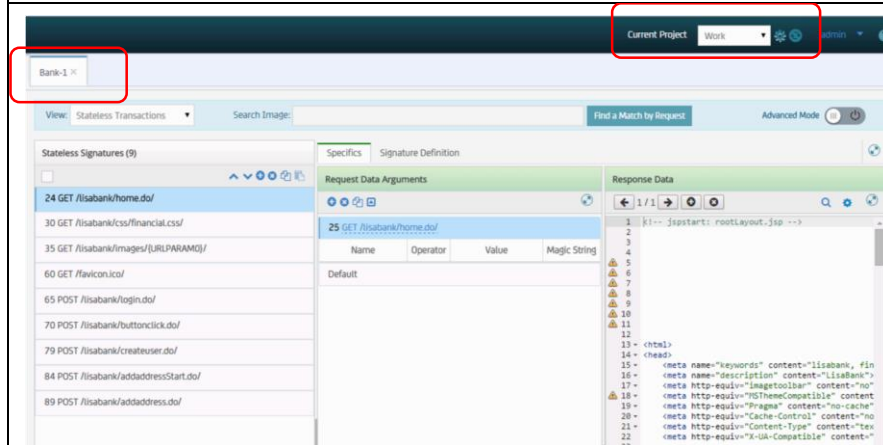
Starting with 8.1, you now have the ability to open up to 40 new tabs for simultaneous viewing and recording.



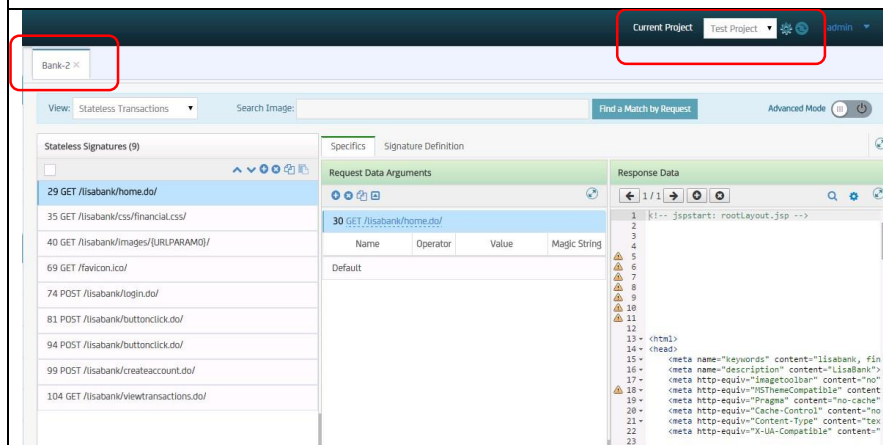
As a result, you can open new HTTPRecording tabs and work on them at the same time.

New feature – Ability to copy and paste between Service Images


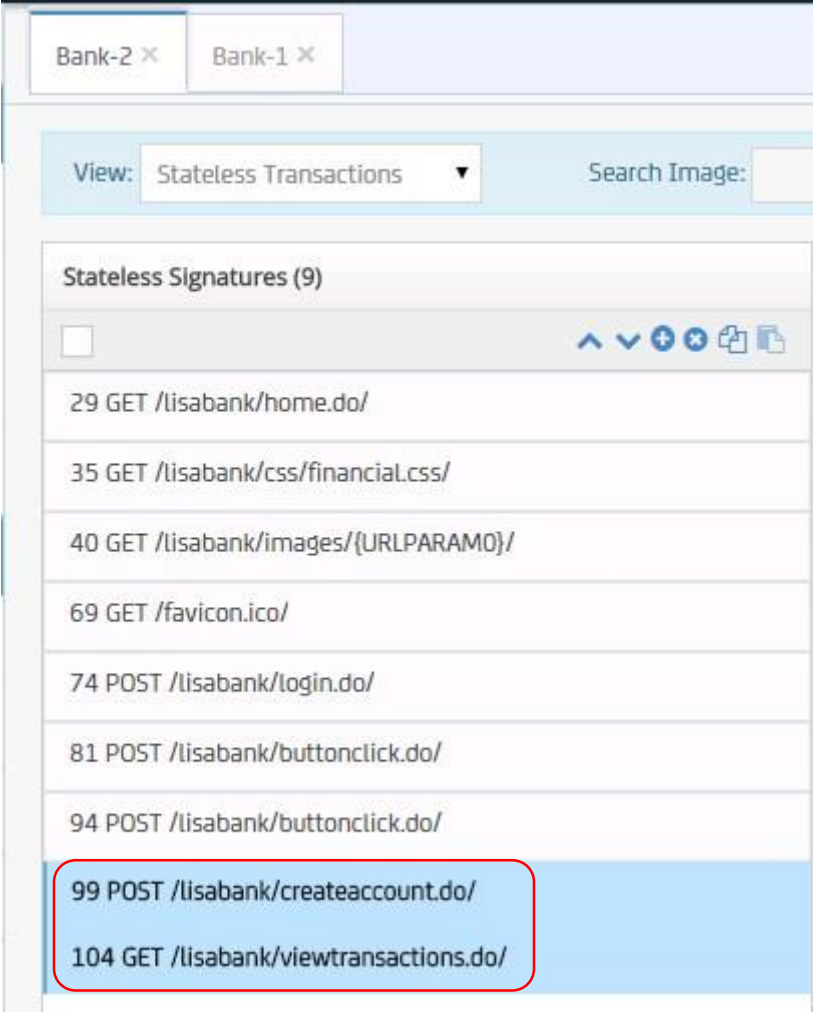
Starting with DevTest 8.1, Now we have the ability to copy transactions between Service Images in the DevTest Portal. The source and the destination images can be in the same or different folder.



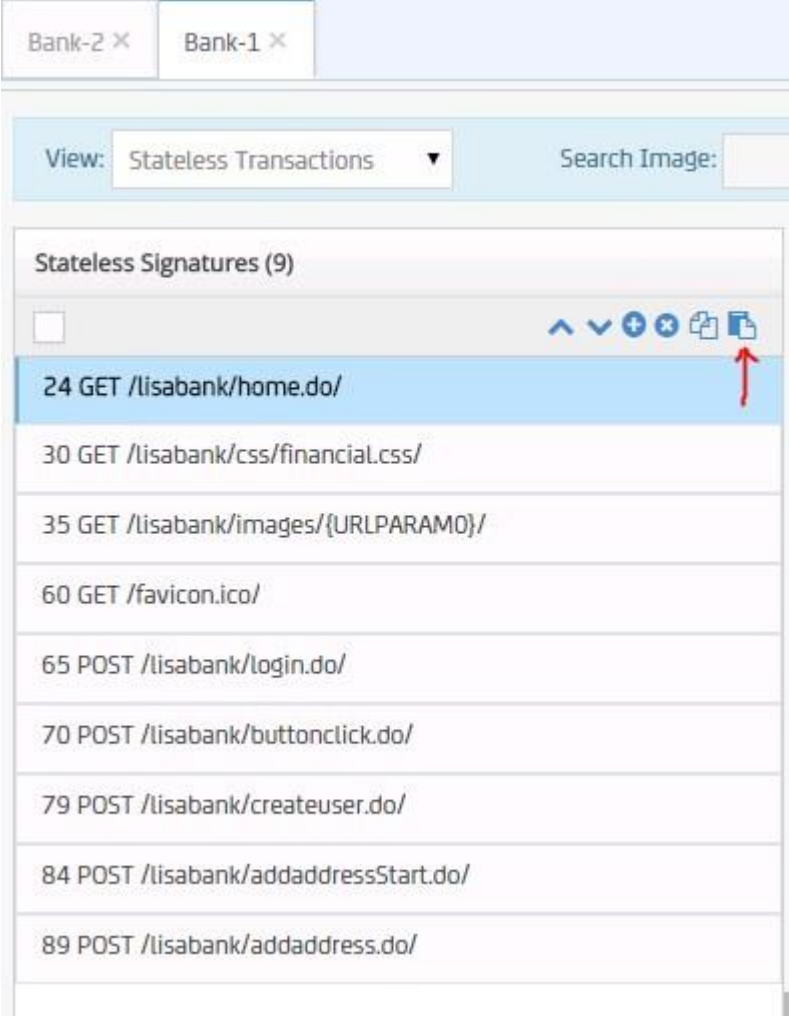
Say we have a Project called as Work as shown. It contains a Virtual Service Image called Bank-1 as shown.



Say we have another Project called as Test Project as shown. It contains a Virtual Service Image called Bank-2 as shown.

<div data-bbox="207 279 721 422"> <pre>99 POST /lisabank/createaccount.do/</pre> <pre>104 GET /lisabank/viewtransactions.do/</pre> </div>	<p>There are 2 transactions in Bank-2 which are not present in Bank-1</p>
	<p>We will now copy these 2 transactions from Bank-2 VS located in Test Project to Bank-1 VS in Work project. Changed the project from Test Project to Work and then opened Bank-1 VS in the new tab next to Bank-2 VS.</p>
	<p>Highlight the two transactions by using the Control key and selecting them as shown</p>

	<p>Now click on the Copy icon to copy these 2 transactions</p> <p>Notice as soon as you copy these transactions, the Paste icon is enabled</p>
---	--



 <p>Bank-2 × Bank-1 ×</p> <p>View: Stateless Transactions Search Image:</p> <p>Stateless Signatures (9)</p> <p>24 GET /lisabank/home.do/</p> <p>30 GET /lisabank/css/financial.css/</p> <p>35 GET /lisabank/images/{URLPARAM0}/</p> <p>60 GET /favicon.ico/</p> <p>65 POST /lisabank/login.do/</p> <p>70 POST /lisabank/buttonclick.do/</p> <p>79 POST /lisabank/createuser.do/</p> <p>84 POST /lisabank/addaddressStart.do/</p> <p>89 POST /lisabank/addaddress.do/</p>	<p>Now select the Bank-1 tab and you will notice that the Paste icon here is also enabled</p>
---	---

Bank-2 ✕Bank-1 ✕

View: Stateless Transactions ▾Search Image:

Stateless Signatures (11)

☐

^ ▾ + ×  

94 POST /lisabank/createaccount.do/

100 GET /lisabank/viewtransactions.do/

24 GET /lisabank/home.do/

30 GET /lisabank/css/financial.css/

35 GET /lisabank/images/{URLPARAM0}/

60 GET /favicon.ico/

65 POST /lisabank/login.do/

70 POST /lisabank/buttonclick.do/

79 POST /lisabank/createuser.do/

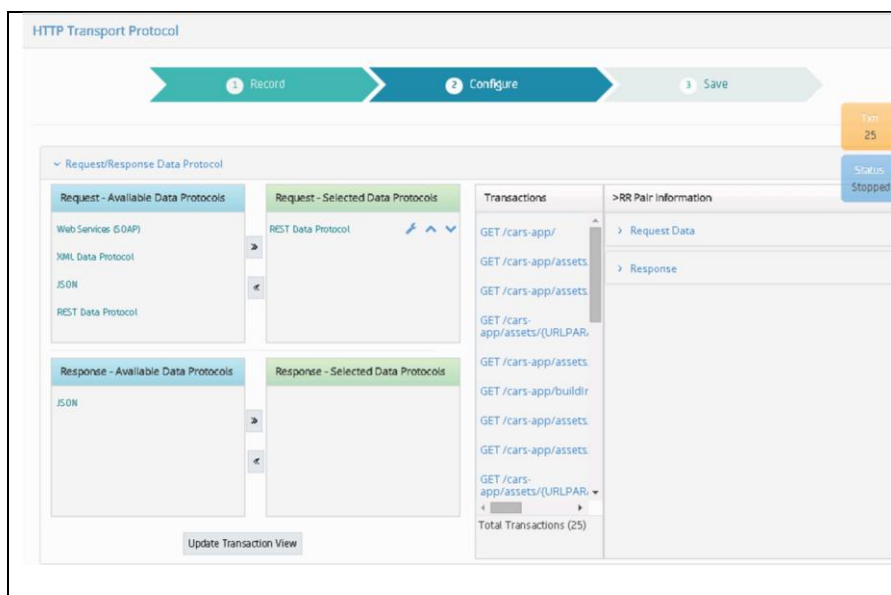
84 POST /lisabank/addaddressStart.do/

89 POST /lisabank/addaddress.do/

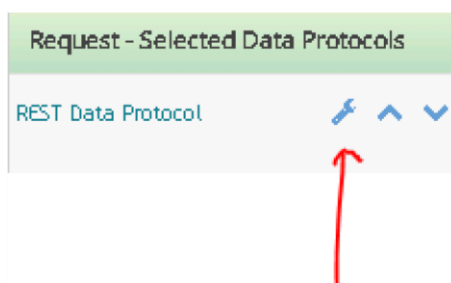
Click on the paste icon to copy the 2 transactions to this VS.

Notice the Paste icon gets disabled as the copy/paste is complete.

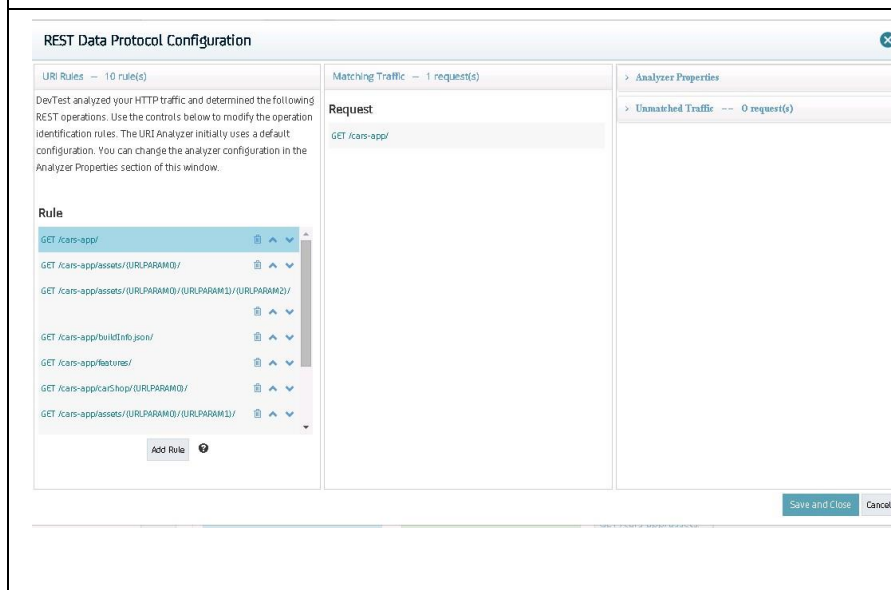
New feature – New REST DPH Editor



- Starting with DevTest 8.1 a new Data Protocol Configuration and first of its kind has been introduced in the DevTest Portal
- Called the REST Data Protocol
- Once you start the HTTP/S recording and the recorder has captured the transactions, you should see the screen shown here



Click on the Wrench icon to open the configuration screen for the REST DPH (Data Protocol Handler)






























































An Analyzer takes the transactions from the recording session and will autogenerate rules based on those transactions.

This configuration screen allows you to view the Rules, add/remove a Rule and make changes to existing Rules and verify that there are no transactions (unmatched traffic) are left behind.

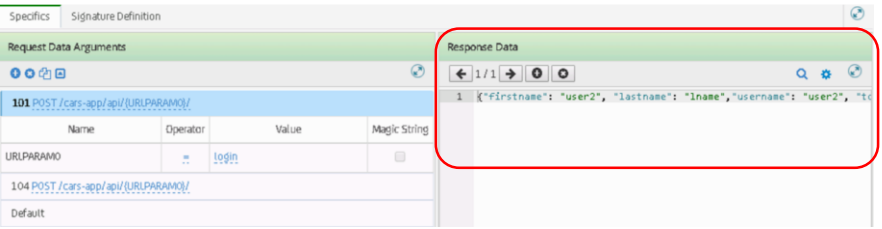

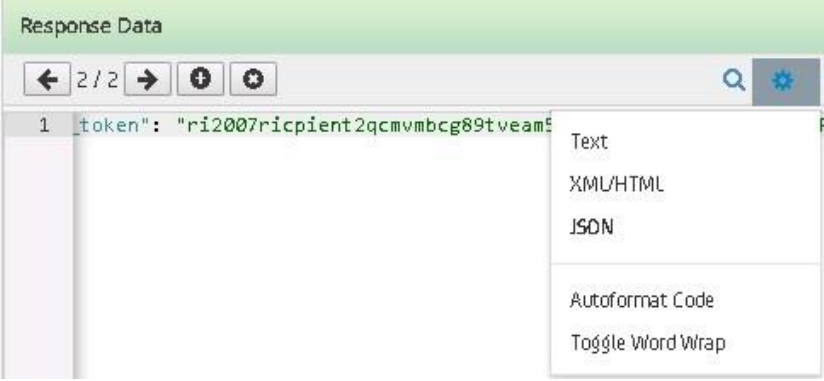

Here you will see the following –

- URI rules (number of rules)
- Rules
- Matching Traffic
- Analyzer Properties
- Unmatched Traffic

<div data-bbox="203 205 928 640"> <h3>Rule</h3> <ul style="list-style-type: none"> GET /cars-app/    GET /cars-app/assets/{URLPARAM0}/    GET /cars-app/assets/{URLPARAM0}/{URLPARAM1}/{URLPARAM2}/    GET /cars-app/buildInfo.json/    GET /cars-app/features/    </div>	<ul style="list-style-type: none"> - Use the up and down icons to move a particular Rule up and down to increase or lower the priority of the rule - Use the trash icon to remove the existing rule
<div data-bbox="203 724 1075 1348"> <div> <div>URI Rules — 10 rule(s)</div> <div> <p>DevTest analyzed your HTTP traffic and determined the following REST operations. Use the controls below to modify the operation identification rules. The URI Analyzer initially uses a default configuration. You can change the analyzer configuration in the Analyzer Properties section of this window.</p> <h3>Rule</h3> <ul style="list-style-type: none"> GET /cars-app/    GET /cars-app/assets/{URLPARAM0}/    GET /cars-app/assets/{URLPARAM0}/{URLPARAM1}/{URLPARAM2}/    GET /cars-app/buildInfo.json/    GET /cars-app/features/    GET /cars-app/carShop/{URLPARAM0}/    GET /cars-app/assets/{URLPARAM0}/{URLPARAM1}/    <div>Add Rule </div> </div> <div> <div>Matching Traffic — 2 request(s)</div> <h3>Request</h3> <ul style="list-style-type: none"> GET /cars-app/carShop/makes GET /cars-app/carShop/cars </div> </div> </div>	<ul style="list-style-type: none"> - Click on a particular Rule and in the center panel shows all the transactions that match the rule - In this case, there are 2 transactions that match this rule
<div data-bbox="203 1379 1075 1831"> <div>REST Data Protocol Configuration</div> <div> <div>URI Rules — 10 rule(s)</div> <div> <p>DevTest analyzed your HTTP traffic and determined the following REST operations. Use the controls below to modify the operation identification rules. The URI Analyzer initially uses a default configuration. You can change the analyzer configuration in the Analyzer Properties section of this window.</p> <h3>Rule</h3> <ul style="list-style-type: none"> GET /cars-app/    GET /cars-app/assets/{URLPARAM0}/    GET /cars-app/assets/{URLPARAM0}/{URLPARAM1}/{URLPARAM2}/    GET /cars-app/buildInfo.json/    GET /cars-app/features/    GET /cars-app/carShop/{URLPARAM0}/    GET /cars-app/assets/{URLPARAM0}/{URLPARAM1}/    <div>Add Rule </div> </div> <div> <div>Matching Traffic — 2 request(s)</div> <h3>Request</h3> <ul style="list-style-type: none"> GET /cars-app/carShop/makes GET /cars-app/carShop/cars </div> <div> <h3>Analyzer Properties</h3> <p>These configuration items change the behavior of the URI analyzer. Changing any of these settings and clicking Update will discard your current URI rules. Re-analysis of the recorded requests will then be performed, which could take some time.</p> <div> <div>Max Changes</div> <div>1</div> </div> <div> <div>Start Position</div> <div>3</div> </div> <div> <div>Id Identification Regular Expression</div> <div>/a-zA-Z]+D[0-9(S)]a-zA-Z"/</div> </div> <div> <div>URL Parameter Prefix</div> <div>URLPARAM</div> </div> <div>Update</div> </div> <div> <div>Unmatched Traffic — 0 request(s)</div> </div> </div> </div>	<h3>Analyzer Properties</h3> <ul style="list-style-type: none"> - By default the URLPARAMS is the parameter prefix - Change that to MyCars - Click Update - Update will erase the existing Rules and auto-generate the new Rules from the recording and also change the Rule and reflect the updated values as shown

<div> <div>REST Data Protocol Configuration</div> <div> <div>URI Rules — 10 rule(s)</div> <div> DevTest analyzed your HTTP traffic and determined the following REST operations. Use the controls below to modify the operation identification rules. The URI Analyzer initially uses a default configuration. You can change the analyzer configuration in the Analyzer Properties section of this window. </div> </div> <div> <div>Rule</div> <div> <div>GET /cars-app/</div> <div>GET /cars-app/assets/{MyCars0}/</div> <div>GET /cars-app/assets/{MyCars0}/{MyCars1}/{MyCars2}/</div> <div>GET /cars-app/buildinfo.json/</div> <div>GET /cars-app/features/</div> <div>GET /cars-app/carshop/{MyCars0}/</div> <div>GET /cars-app/assets/{MyCars0}/{MyCars1}/</div> </div> <div>Add Rule</div> </div> <div> <div>Matching Traffic — 2 request(s)</div> <div> <div>Request</div> <div>GET /cars-app/carShop/makes</div> <div>GET /cars-app/carShop/cars</div> </div> </div> <div> <div>Analyzer Properties</div> <div> These configuration items change the behavior of the URI analyzer. Changing any of these settings and clicking Update will discard your current URI rules. Re-analysis of the recorded requests will then be performed, which could take some time. </div> <div> <div>Max Changes 1</div> <div>Start Position 3</div> <div>Id Identification Regular Expression {a-zA-Z}[0-9]{5}[a-zA-Z]*</div> <div>URL Parameter Prefix MyCars</div> <div>Update</div> </div> <div>Unmatched Traffic — 0 request(s)</div> </div> </div>	<ul style="list-style-type: none"> - URLPARAMS was replaced by MyCars on update of this configuration screen in the Rule section
<div> <div>GET /cars-app/carShop/{MyCars0}/</div> <div>Unmatched Traffic — 2 request(s)</div> <div> This section shows a sample of the traffic that does not match any of the currently configured URI processing rules. </div> <div> <div>Request</div> <div>GET /cars-app/carShop/makes</div> <div>GET /cars-app/carShop/cars</div> </div> </div>	<div>Unmatched Traffic</div> <ul style="list-style-type: none"> - This will show if there are any transactions that are not a part of any Rule - This might happen if an existing Rule was updated and/or deleted which may cause the transactions to enter the unmatched category - As an example, in this case, deleted the selected Rule and the transactions that were a part of that rule no longer belong to any rule and will show up in this screen - Just cancel out of this screen to not save those changes and not persist those changes. - Click Save and Close to persist the changes.

New feature – High Performance Code Editor

	<p>VSI Editor new changes</p> <ul style="list-style-type: none">- The VSI Editor has a lot of cool features added as shown below
	<ul style="list-style-type: none">- Copy the JSON response from the previous step- Click on the + icon to add a new response data 2/2- Paste the response from 1/1 to the 2/2 response data
	<p>Click on  to view the available options that can be used for this response</p>

Text

XML/HTML

JSON

Autoformat Code

Toggle Word Wrap

Response Data

← 2 / 2 → ⓘ ⚙

🔍 ⚙ ↺

```
1 [{"firstname": "user2", "lastname": "lname", "username": "user2",  
  "token_type": "Bearer", "access_token": "ri2007ricpient2qcmvmbcg89t  
  veam5v", "roles": ["ROLE_USER"]}]
```

Select Toggle Word Wrap and it should show you the correct result that shows all of the response data on the screen instead of in the same single line

<div data-bbox="207 216 667 669"> <p>Text</p> <p>XML/HTML</p> <p>JSON</p> <p>Autoformat Code</p> <p>Toggle Word Wrap</p> </div> <div data-bbox="207 730 1075 1058"> <p>Response Data</p> <p>2 / 2</p> <pre> 1 { 2 "firstname": "user2", 3 "lastname": "lname", 4 "username": "user2", 5 "token_type": "Bearer", 6 "access_token": "ri2007ricpient2qcmvmbcg89tveam5v", 7 "roles": ["ROLE_USER"] 8 } </pre> </div>	<p>This time select Autoformat Code and it should show you the correct result that correctly formats the JSON data</p>
<div data-bbox="207 1140 1075 1524"> <p>Response Data</p> <p>2 / 2</p> <pre> 1 { 2 "firstname": "user2", 3 "lastname": "lname", 4 "username": "user2", 5 "token_type": "Bearer", 6 "access token": "ri2007ricpient2qcmvmbcg89tveam5v", 7 "roles": ["ROLE_USER"] 8 testing 9 } </pre> <p>Expected ',' instead of 't'</p> </div>	<ul style="list-style-type: none"> - Now add a line after the last line by pressing enter and the entering any random text say testing - You will see that the error shows up next to the line number - When you do a mouse-over the error it will tell you the error - In this case, there needs to be a comma after the <ul style="list-style-type: none"> o "roles": ["ROLE_USER"]

<div data-bbox="228 205 1101 590"><p>Response Data</p><p>2 / 2</p><pre>1 { 2 "firstname": "user2", 3 "lastname": "lname", 4 "username": "user2", 5 "token_type": "Bearer", 6 "access_token": "ri2007ricpient2qcmvmbcg89tveam5v", 7 "roles": ["ROLE_USER"], 8 testing 9 }</pre><p>1 Bad string</p></div> <div data-bbox="203 653 1075 1043"><p>Response Data</p><p>2 / 2</p><pre>1 { 2 "firstname": "user2", 3 "lastname": "lname", 4 "username": "user2", 5 "token_type": "Bearer", 6 "access_token": "ri2007ricpient2qcmvmbcg89tveam5v", 7 "roles": ["ROLE_USER"], 8 "testing": "DevTest8.1" 9 } 10 </pre></div>	<ul style="list-style-type: none">- Put the comma in the correct place as shown- Now do a mouse-over on that line and you will see a new error- In this case it is a bad string and does not conform to the JSON standards- Fix it by entering proper text like<ul style="list-style-type: none">o "testing": "DevTest8.1"- You will see the error goes away since the proper formatting is done
--	--

<div data-bbox="207 205 1075 394"><p>Response Data</p><p>3 / 3</p><p>1 New Response</p></div> <div data-bbox="207 445 1075 625"><p>Response Data</p><p>3 / 3</p><p>1</p></div> <div data-bbox="207 634 1075 961"><p>Response Data</p><p>3 / 3</p><p>1 <!-- sample code --> 2 <html> 3 <body> 4 <p> VSI Editor Test </p> 5 </body> 6 </html> 7 <!-- End of sample code --> 8</p></div> <div data-bbox="207 970 717 1360"><p>Response Data</p><p>3 / 3</p><p>1 <!-- sample code --> 2 <html> 3 Unexpected '<' 4 <p> VSI Editor Test </p> 5 </body> 6 </html> 7 <!-- End of sample code --> 8</p></div>	<p>Add a new response this time as 3/3</p> <ul style="list-style-type: none">- By default you will see New Response text and the error X which means the format is not correct- Delete the existing text and observe that the error goes away- Copy/Paste the following lines in this newly created response <pre><!-- sample code --> <html> <body> <p> VSI Editor Test </p> </body> </html> <!-- End of sample code --></pre>
---	---


Text
XML/HTML
JSON

Autoformat Code
Toggle Word Wrap

Response Data

3 / 3

1 <!-- sample code -->
2 <html>
3 <body>
4 <p> VSI Editor Test </p>
5 </body>
6 </html>
7 <!-- End of sample code -->
8

Click  to view the options. By default, JSON was selected which is why the error is seen. Change it to XML/HTML and you will see the error go away and the color coding is seen


Text
XML/HTML
JSON



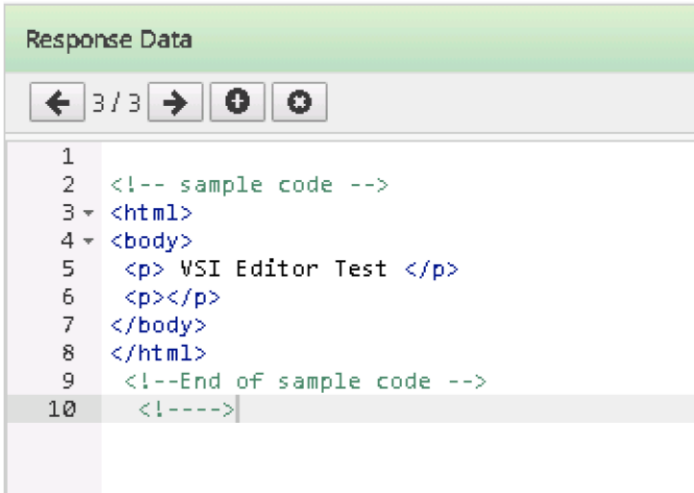
Autoformat Code
Toggle Word Wrap
Toggle Comment

Response Data

3 / 3

1
2 <!-- sample code -->
3 <html>
4 <body>
5 <p> VSI Editor Test </p>
6 </body>
7 </html>
8 <!--End of sample code -->
9 <!-->

- Click  to view the options
- This time select Toggle Comments
- You will see the comments as shown

	<ul style="list-style-type: none"> - Now click on the down arrow next to the line number #3 - You will see the code collapse between <html> and </html> -
 	<ul style="list-style-type: none"> - Press Enter after the <p> VSI Editor Test </p> - Enter the following <p> - The tag gets completed immediately as <p></p>