



Wisdom Tool REST Client

# Wisdom Tool REST Client

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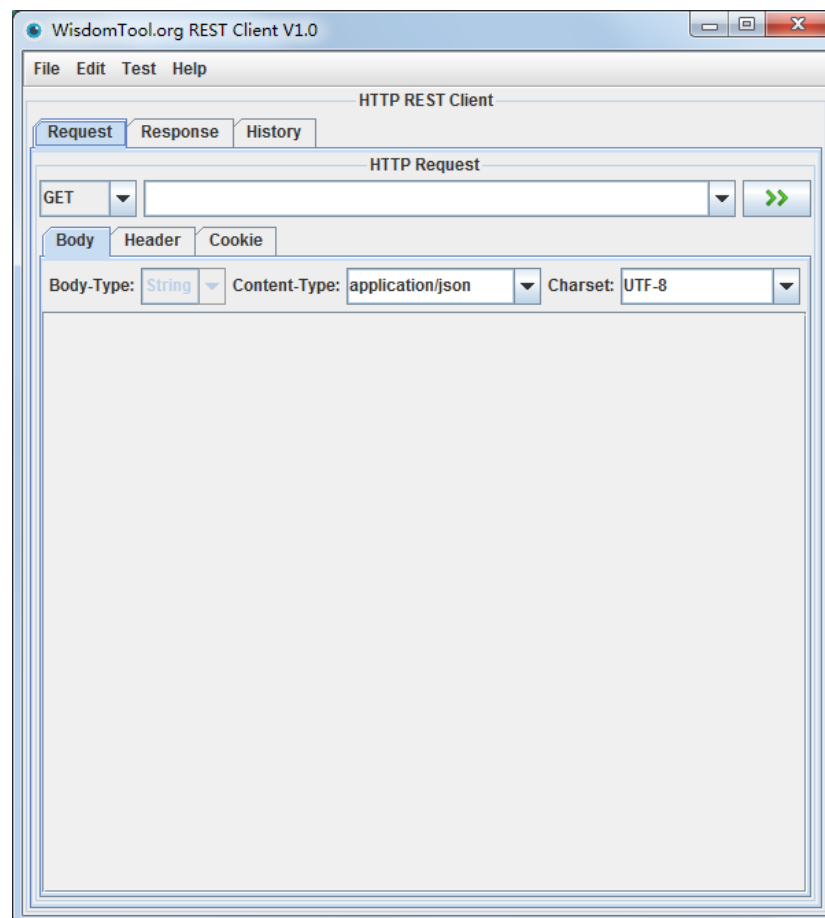
## 1. Prerequisite

**Table 1. Prerequisite**

Java	1.7 or higher
OS	Windows Linux
Browser	IE 9 or higher Firefox 51.0 or higher Chrome 53.0 or higher

## 2. REST Client

**Figure 1. REST Client View**





**Table 2. REST Client View**

View	Component
Menu Bar View	File Edit Test Help
HTTP Request View	Method URL Body Header Cookie
HTTP Response View	Status Body Header Raw Text
HTTP History View	Request Response Date Time Assert Body

## 2.1 Menu Bar View

**Figure 2. Menu Bar View**



**Table 3. Menu Bar View**

Menu	Menu Item
File	Import Export Exit
Edit	Reset Request Reset Response Reset All Remove All
Test	Start Test Stop Test Test Report
Help	Help Contents Report Issue About Tool

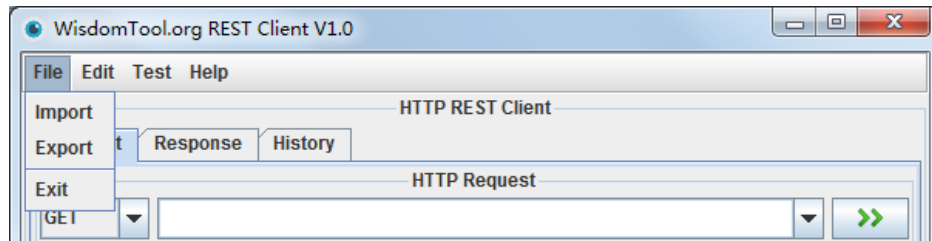


### 2.1.1 Menu [File]

**Table 4. Menu [File]**

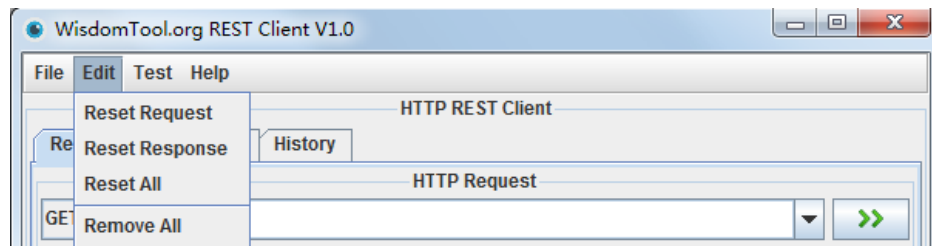
Menu Item	Detail
Import	Import history file that export before
Export	Export current HTTP history to a file
Exit	Exit REST Client

**Figure 3. Menu [File]**



### 2.1.2 Menu [Edit]

**Figure 4. Menu [Edit]**



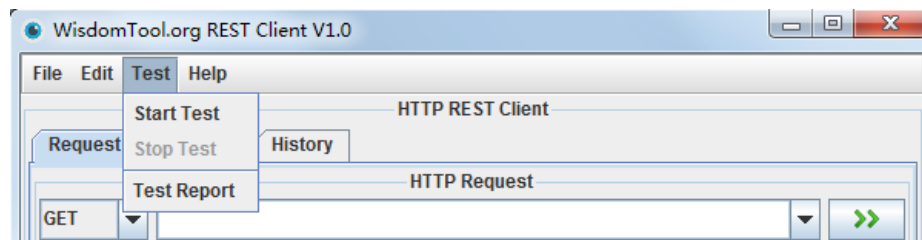
**Table 5. Menu [Edit]**

Menu Item	Detail
Reset Request	Reset request view
Reset Response	Reset response view
Reset All	Reset both request and response view
Remove All	Remove all the HTTP history



### 2.1.1.3 Menu [Test]

**Figure 5. Menu [Test]**

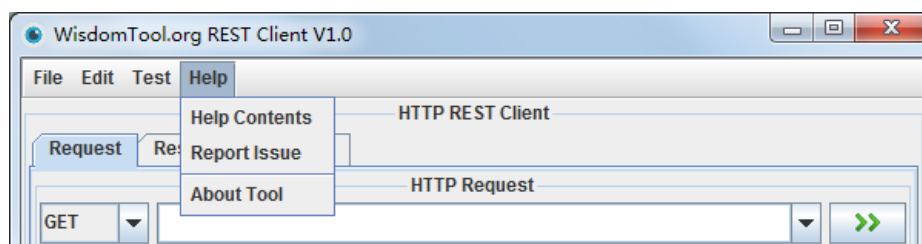


**Table 6. Menu [Test]**

Menu Item	Detail
Start Test	Start testing HTTP history
Stop Test	Stop testing HTTP history
Test Report	Open testing report of HTTP history

### 2.1.1.4 Menu [Help]

**Figure 6. Menu [Help]**



**Table 7. Menu [Help]**

Menu Item	Detail
Help Contents	Open help contents to get help
Report Issue	Report issue for the REST client tool
About Tool	Know about the REST client tool



## 2.2 HTTP Request View

Figure 7. Method & URL

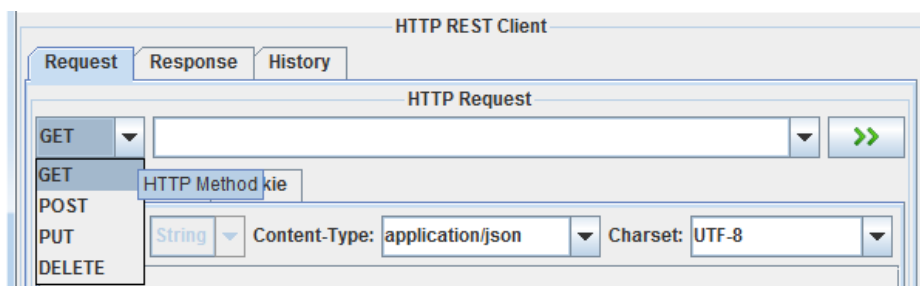


Figure 8. Body->Body Type->String

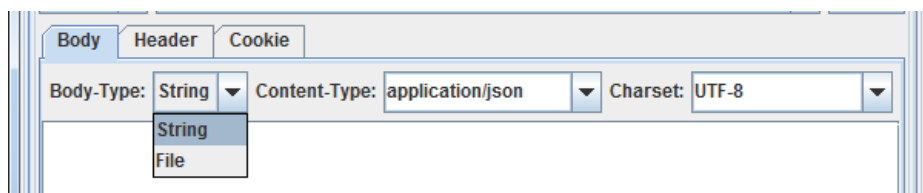
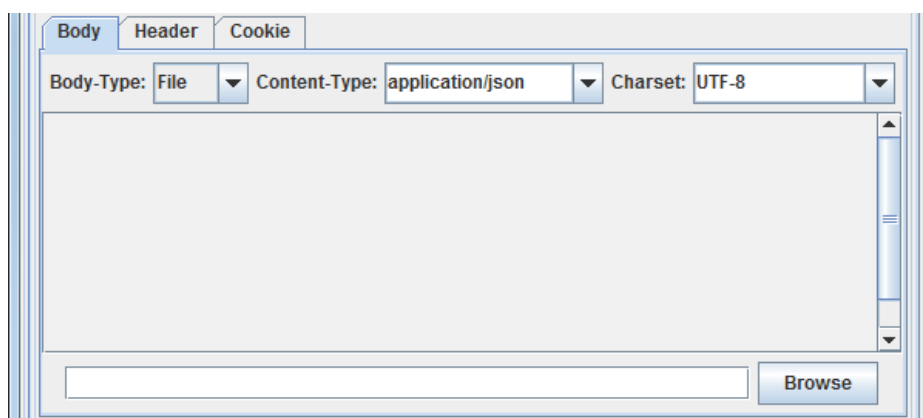
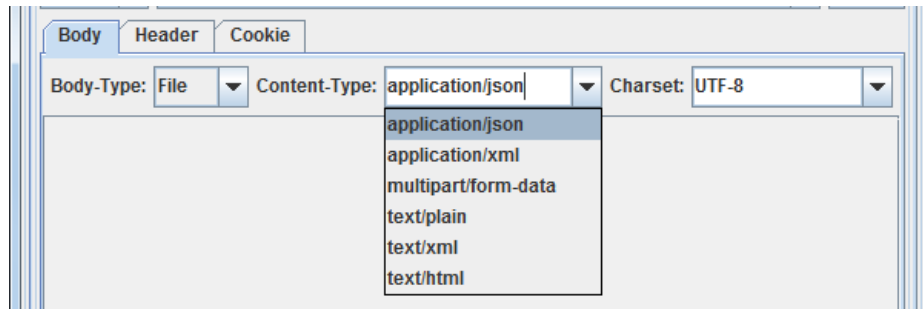


Figure 9. Body->Body Type->File

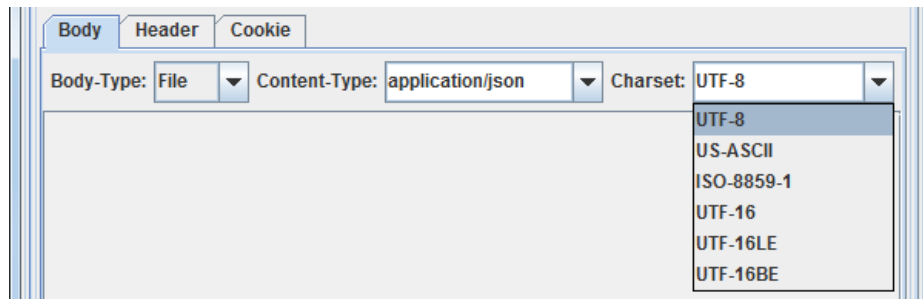




**Figure 10. Body->Content Type**



**Figure 11. Body->Charset**



**Figure 12. Body->Content**

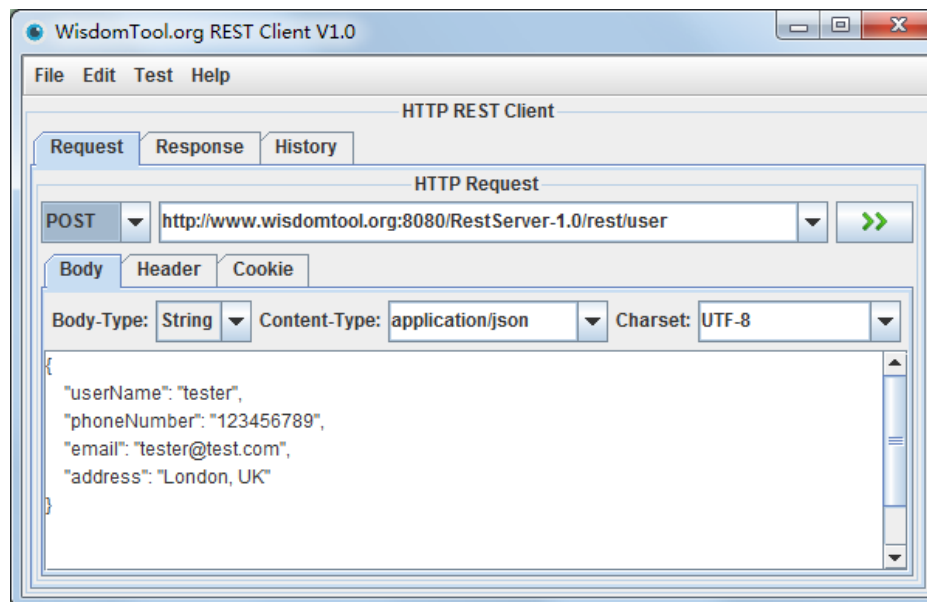






Figure 13. Header

The screenshot shows the 'Request' tab selected. Under 'HTTP Request', the method is set to 'GET'. Below this, the 'Header' tab is active. It features a table with two columns: 'Header' and 'Value'. Above the table, there are input fields for 'Key:' and 'Value:', followed by a green '+' button and a red '-' button.

Figure 14. Cookie

The screenshot shows the 'Request' tab selected. Under 'HTTP Request', the method is set to 'GET'. Below this, the 'Cookie' tab is active. It features a table with two columns: 'Cookie' and 'Value'. Above the table, there are input fields for 'Key:' and 'Value:', followed by a green '+' button and a red '-' button.

Table 8. Request View

Component	Detail	
Method	Supported methods: <b>GET</b> <b>POST</b> <b>PUT</b> <b>DELETE</b>	
URL	Supported protocol: <b>HTTP</b> <b>HTTPS</b>	
Body	Body Type	<b>String</b> - Get body by inputting string <b>File</b> - Get body by loading a file
	Body Content	Supported to input string or load file to get body content.
	Content Type	<b>application/json</b> <b>application/xml</b> <b>multipart/form-data</b>

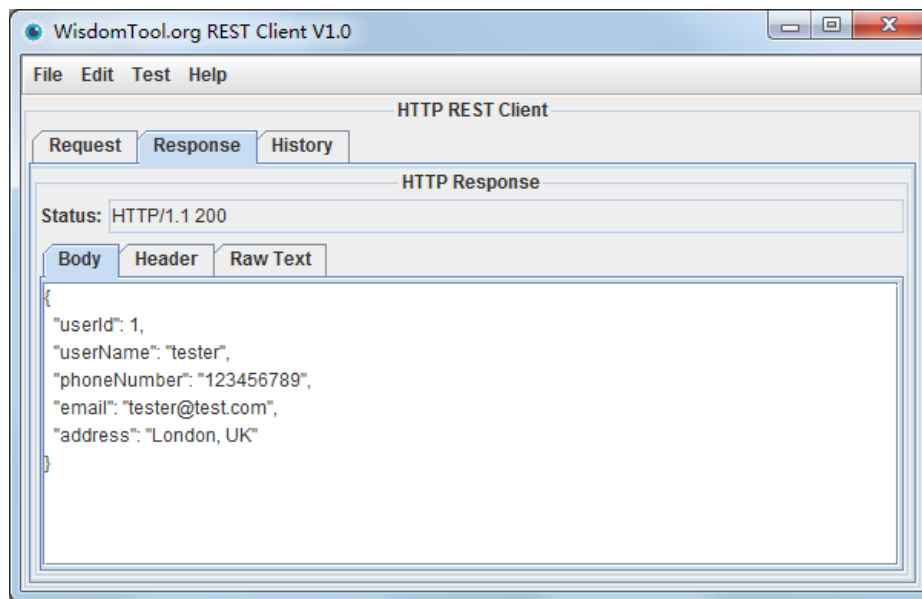


		<b>text/plain</b> <b>text/xml</b> <b>text/html</b> If all the above content types are not met, supported to input custom type.
	Charset	<b>UTF-8</b> <b>US-ASCII</b> <b>ISO-8859-1</b> <b>UTF-16</b> <b>UTF-16LE</b> <b>UTF-16BE</b> If all the above charsets are not met, supported to input custom type.
Header	Add or remove headers with key/value pair	
Cookie	<p>Add or remove cookies with key/value pair</p> <p><b>*Note*:</b> some web container is supported to add session ID to cookie, thus can access restful API without logon application.</p> <p>For example:</p> <p><b>JSESSIONID=D82DC5F78710A36E60E038B047F4A435</b></p> <p>For apache tomcat, user can add <b>JSESSIONID</b> to cookie to access restful API directly by REST client tool.</p>	

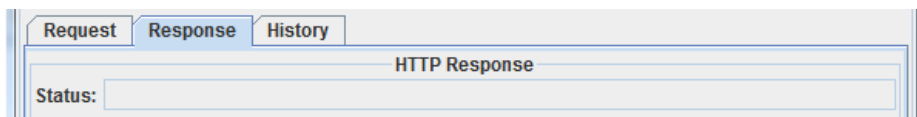


## 2.3 HTTP Response View

**Figure 15. Response**



**Figure 16. Status**

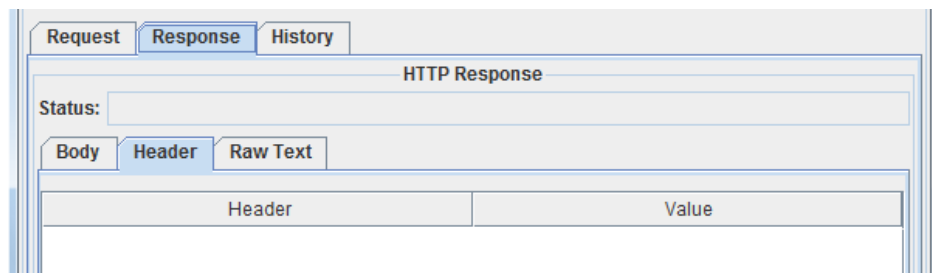


**Figure 17. Body**

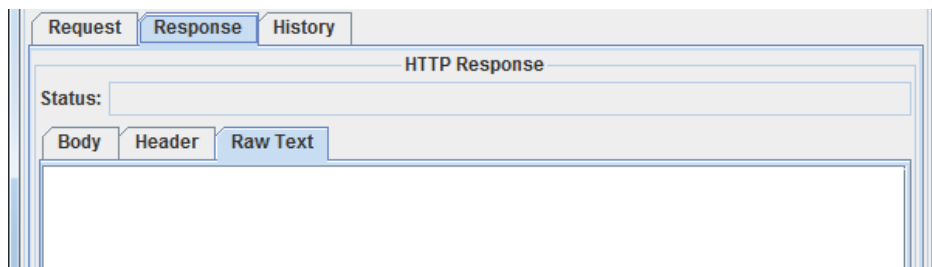




**Figure 18. Header**



**Figure 19. Raw Text**



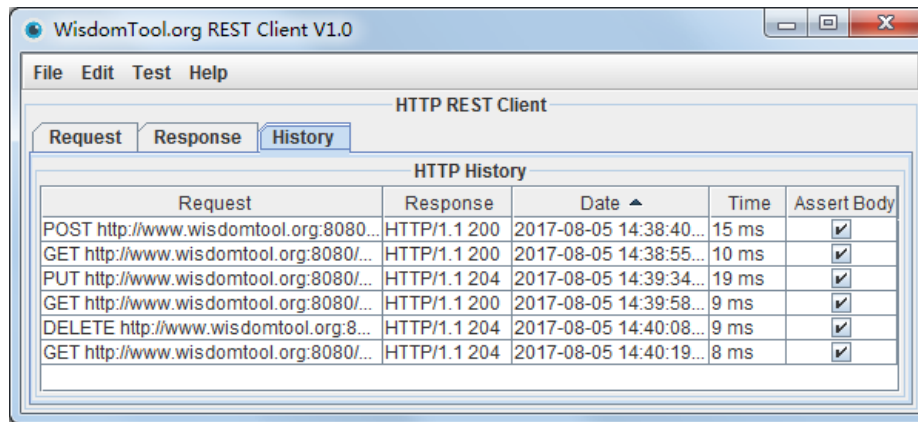
**Table 9. Response View**

Component	Detail
Status	HTTP status code
Body	Response body
Header	Response header
Raw Text	Raw text which contains HTTP request information (HTTP method, URL, header, body) and HTTP response information (HTTP status, header, body)



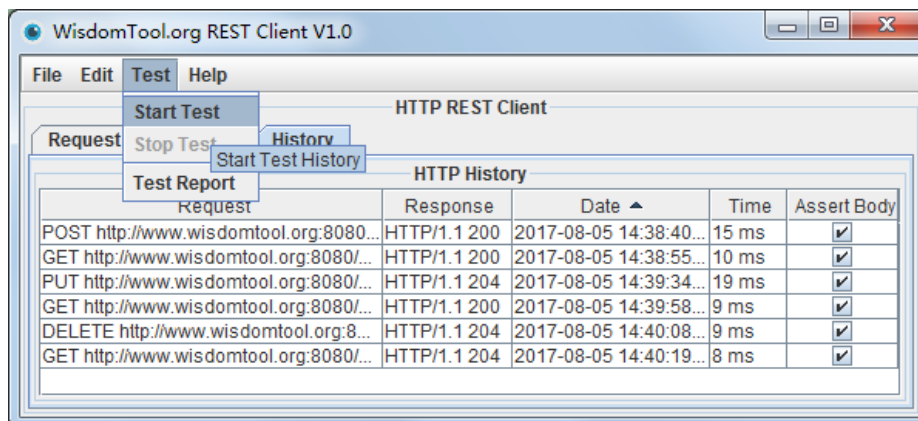
## 2.4 HTTP History View

Figure 20. HTTP History View



Request	Response	Date ▲	Time	Assert Body
POST http://www.wisdomtool.org:8080...	HTTP/1.1 200	2017-08-05 14:38:40...	15 ms	<input checked="" type="checkbox"/>
GET http://www.wisdomtool.org:8080/...	HTTP/1.1 200	2017-08-05 14:38:55...	10 ms	<input checked="" type="checkbox"/>
PUT http://www.wisdomtool.org:8080/...	HTTP/1.1 204	2017-08-05 14:39:34...	19 ms	<input checked="" type="checkbox"/>
GET http://www.wisdomtool.org:8080/...	HTTP/1.1 200	2017-08-05 14:39:58...	9 ms	<input checked="" type="checkbox"/>
DELETE http://www.wisdomtool.org:8...	HTTP/1.1 204	2017-08-05 14:40:08...	9 ms	<input checked="" type="checkbox"/>
GET http://www.wisdomtool.org:8080/...	HTTP/1.1 204	2017-08-05 14:40:19...	8 ms	<input checked="" type="checkbox"/>

Figure 21. Test HTTP History



Request	Response	Date ▲	Time	Assert Body
POST http://www.wisdomtool.org:8080...	HTTP/1.1 200	2017-08-05 14:38:40...	15 ms	<input checked="" type="checkbox"/>
GET http://www.wisdomtool.org:8080/...	HTTP/1.1 200	2017-08-05 14:38:55...	10 ms	<input checked="" type="checkbox"/>
PUT http://www.wisdomtool.org:8080/...	HTTP/1.1 204	2017-08-05 14:39:34...	19 ms	<input checked="" type="checkbox"/>
GET http://www.wisdomtool.org:8080/...	HTTP/1.1 200	2017-08-05 14:39:58...	9 ms	<input checked="" type="checkbox"/>
DELETE http://www.wisdomtool.org:8...	HTTP/1.1 204	2017-08-05 14:40:08...	9 ms	<input checked="" type="checkbox"/>
GET http://www.wisdomtool.org:8080/...	HTTP/1.1 204	2017-08-05 14:40:19...	8 ms	<input checked="" type="checkbox"/>

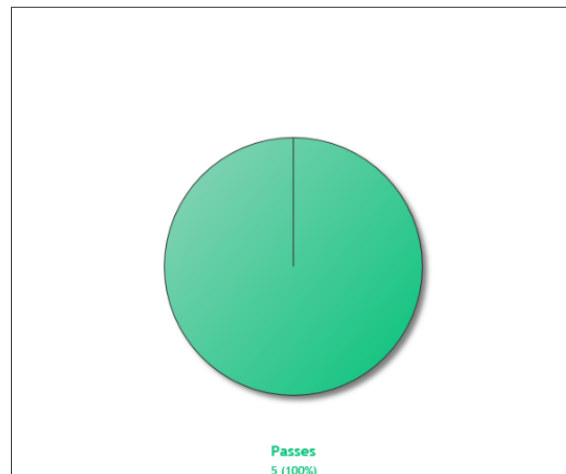


**Figure 22. Report of Test History**

### Test Report

*This report is generated by [Wisdom Tool](#)*

Total	5
Passes	5
Failures	0
Errors	0



Request	Response	Date	Time	Result	Cause
POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 200	2017-07-31 21:29:56.731	87 ms	PASS	-
GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-07-31 21:29:56.826	3 ms	PASS	-
PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 204	2017-07-31 21:29:56.830	3 ms	PASS	-
GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-07-31 21:29:56.834	3 ms	PASS	-
DELETE http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-07-31 21:29:56.838	3 ms	PASS	-

**Table 10. Response View**

Feature	Detail
Assert Body	The default is selected to compare response body with the history case. If some case is not applicable to body comparison, please deselect it.
Start test	Test all the HTTP history
Stop test	Stop test while testing is running
Test report	Output test report, display in default browser
Remove selected history	Remove selected one or multiple history
Remove all history	Remove all the history
Select history	If selected one history, the history (HTTP request & response) can be set on both request view and response view.
Export history	Export current HTTP request & response to a file



	as JSON format.
Import history	Import a history file that export before to refresh current REST client view.

### 3. FAQ

This tool is developed by Wisdom Tool Organization.

***http://www.wisdomtool.org***

***https://github.com/wisdomtool/rest-client***

Please contact by e-mail for any insightful feedbacks, feature requests and bugs.

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Table 11. Issues

Issue ID	Detail