

# Test SAP HTTP connection ready for REST Web Service call

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This is the second part of a series that will teach you how to consume/use/call a Web Service from within your SAP system and use the data received to perform an action within your ABAP code.

- 1 [Test your REST Web Service Call outside of SAP](#)
- 2 **Test your SAP HTTP connection is ready for the REST Web Service Call**
- 3 [Call a REST Web Service using JS code](#)

If you want to call a REST Web Service from your SAP system you should first test SAP HTTP Connection to make sure your SAP system has access to the outside world and the particular Web service you want to call. Again using the REST web service <http://gturnquist->

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quoters.cfapps.io/api/random, which I found on <https://spring.io/guides/gs/consuming-rest/> so have a look on here if it has stopped working for some reason.

There are actually some very basic and easy to use ABAP programs that will help you do this. They have been around for a long time but you may not have come across them before if you haven't had to deal with HTTP connections. I suspect there are many people just finding out about these while learning about web service calls.

» SAP Sales Order T  
and Distribution m

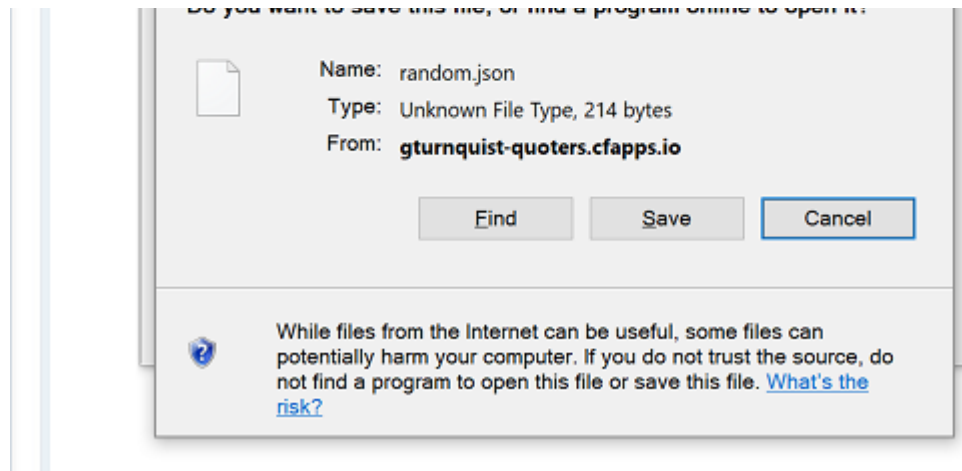
» SALV\_DEMO\_TRE

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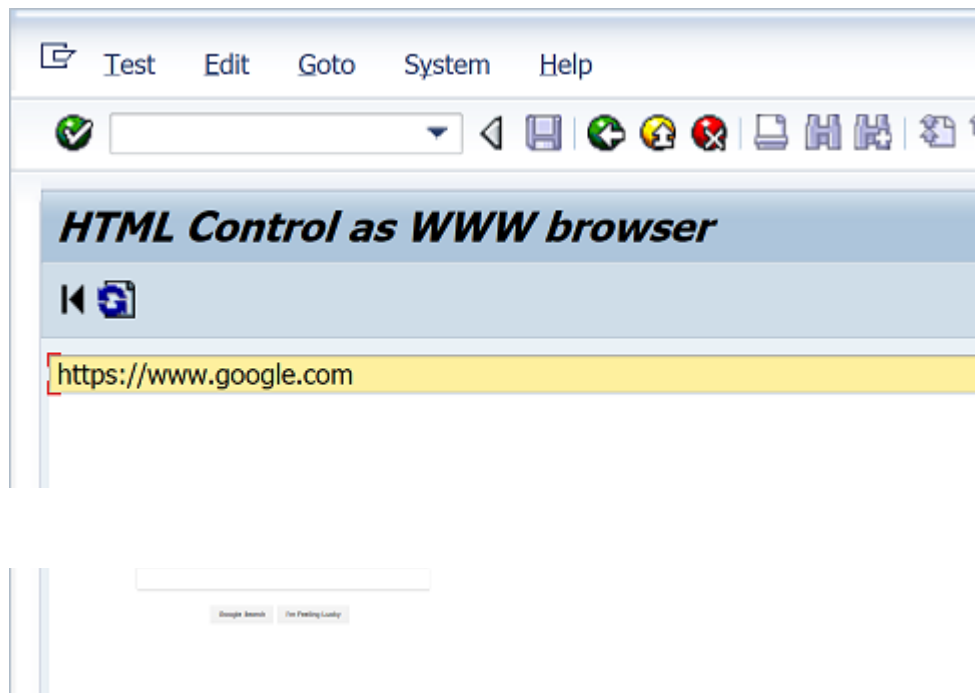
This is basically a simple ABAP based web browser, think chrome, IE but within the SAP GUI. This simply allows you to view a web page so by Inserting your Web Service URL (or any URL) you can confirm that your SAP system has access to the internet. You may already know it has access but this is a good way to prove it if you are trying to pinpoint a communication issue. I have been asked before does your SAP system have access to the internet to which my reply has been yes of course it has...but how do I demonstrate that quickly???

To use this ABAP report simply execute transaction code SE38, enter program name SAPHTML\_DEMO01 and hit execute.

This example Rest service will try and download the response into a file.



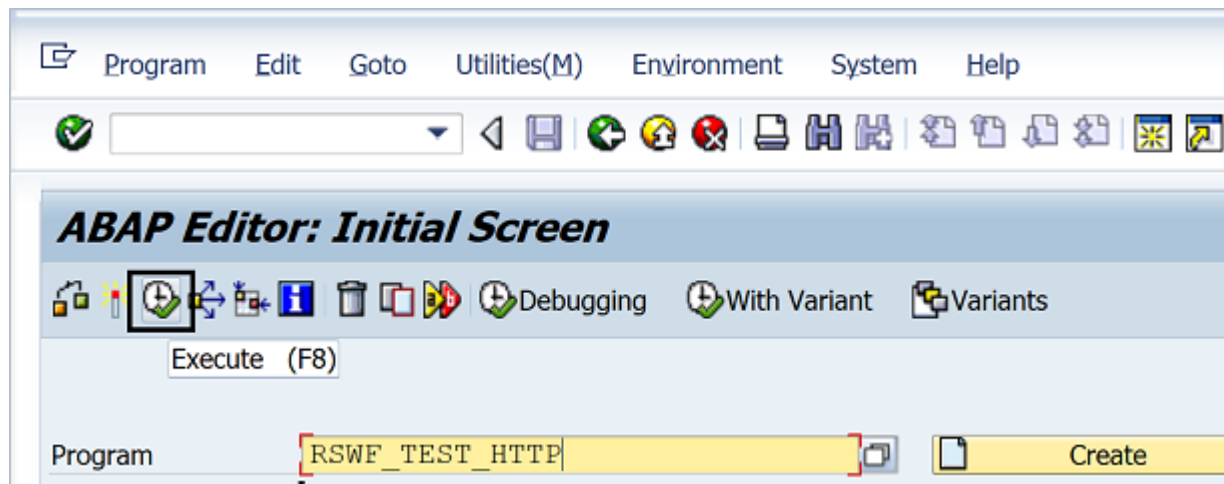
But you could also test access to the internet as a whole by entering any website such as google.com



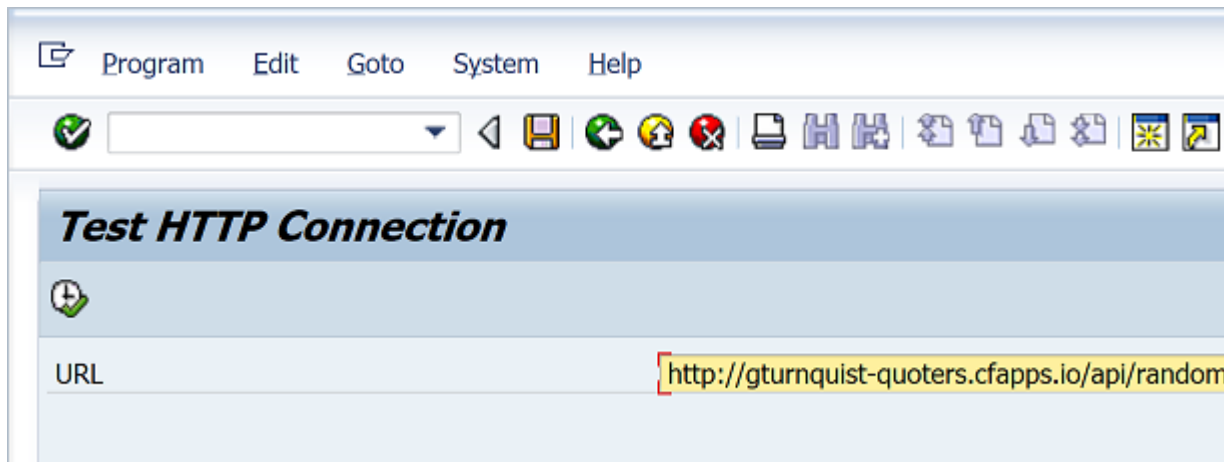
SAPHTML\_DEMO1

## RSWF\_TEST\_HTTP

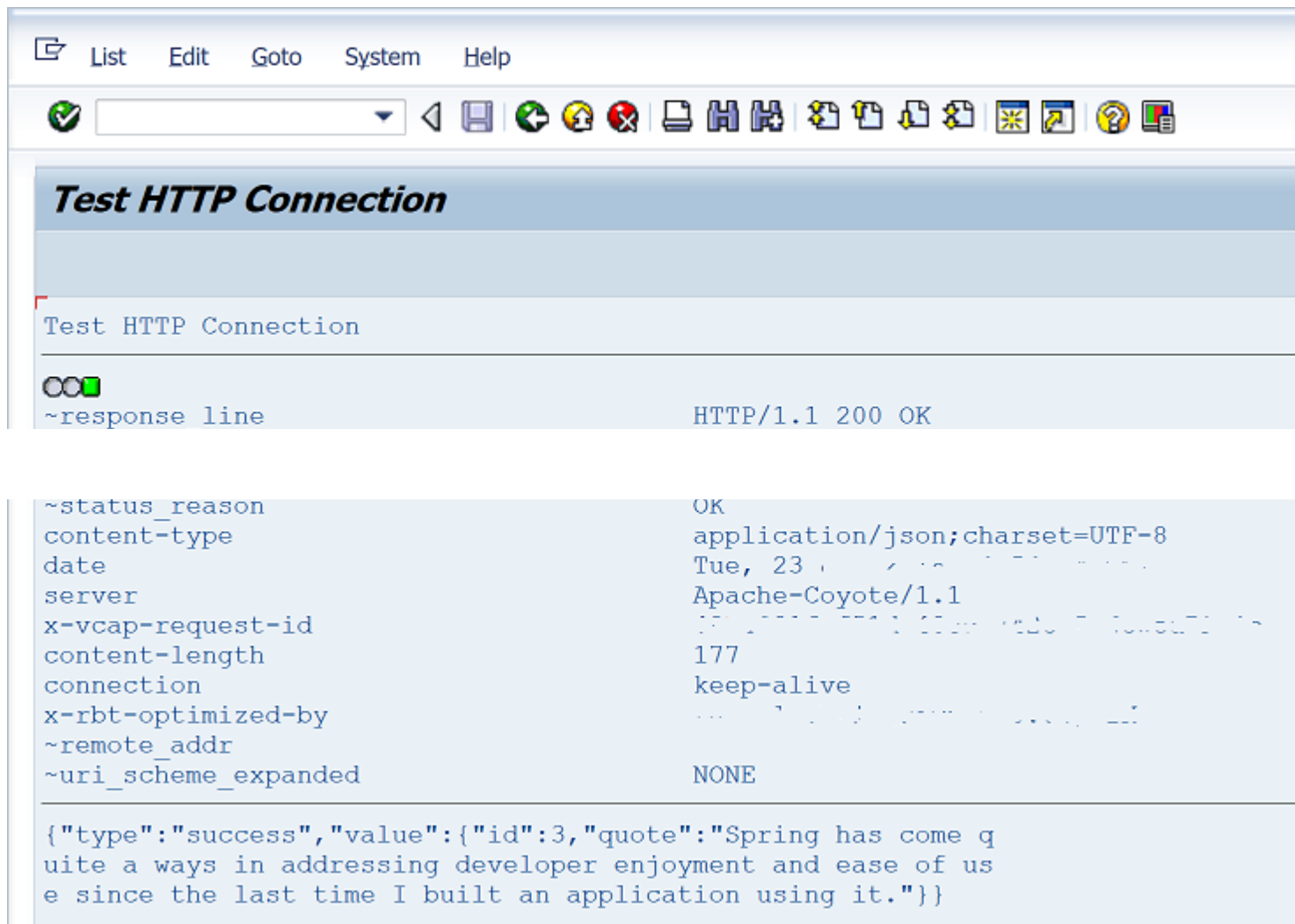
The RSWF\_TEST\_HTTP ABAP report allows you to test the HTTP connection to your Web Service to ensure it is communicating ok. To do this again go to t-code SE38 and enter the report name as RSWF\_TEST\_HTTP and hit execute.



now enter the URL of your web service i.e. <http://gturnquist-quoters.cfapps.io/api/random>.



You will then see the results of the test



The next step in the series is to call the web service from within your SAP system. There are two options to do this, either within a BSP using HTML and JS code or within your ABAP code using the HTTP Object Methods. In my opinion the [HTML/JS way of calling a Web Service from](#)

[SAP](#) should be the best solution but it does not always work if the Web Service does not handle cross domain origins correctly

## Test Web Service using POSTMAN

How to quickly test your REST Web Service using GetPostMan

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The report SALV\_DEMO\_TREE\_SETTINGS demonstrates the

functionality cl\_salv\_tree (Fullscreen Tree) with a focus on setting a number of specific properties of items and nodes including Display the leaves with checkboxesChange the folder iconsRemove Nodes Note: If there is no[...]

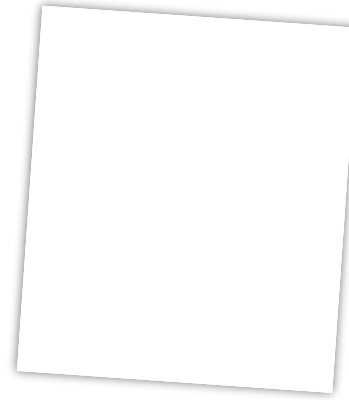
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