

# How to Test BAPI Function Module in SAP?

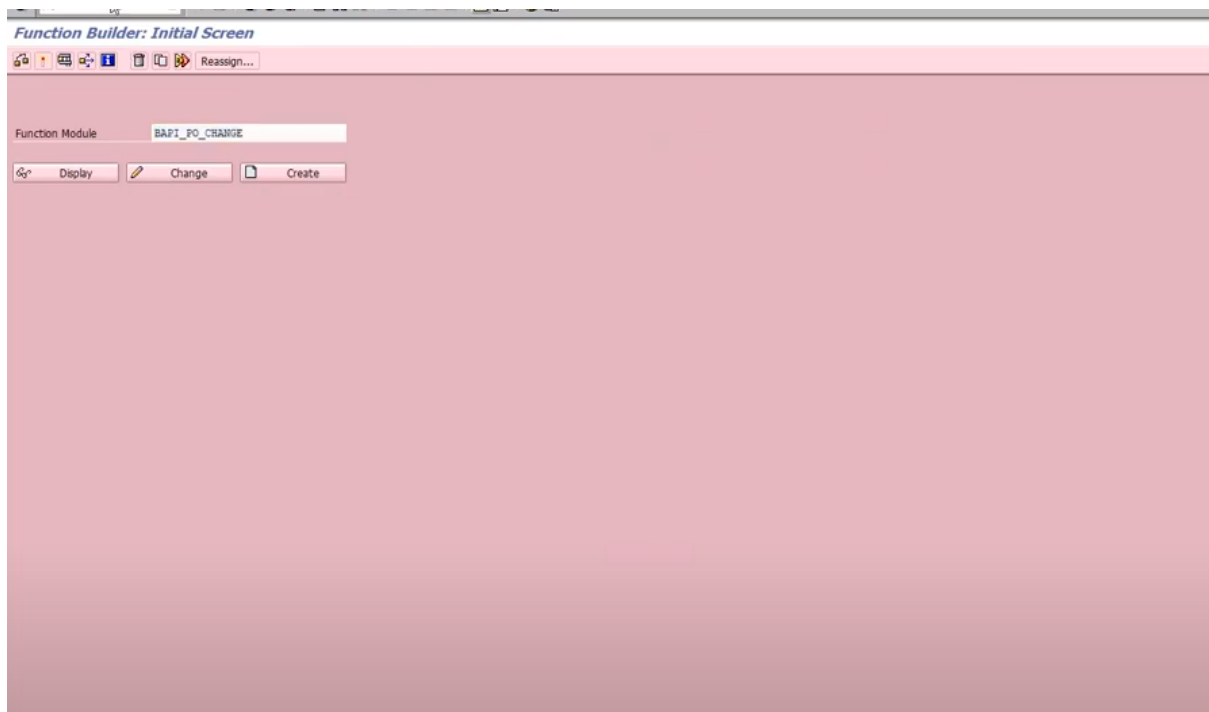
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## Introduction

As a SAP Consultant at some point of your career you will use BAPI. There is special way to test a BAPI whether it is really useful for you to call in your Program.

## Solution

In our example we will be using BAPI\_PO\_CHANGE to change some fields in PO Line Item.



Now we will fill the Parameters and save it as a Test Data

Test Function Module: Initial Screen	
Debugging   Test data directory Test for function group: 2012 Function module: BAPI_PO_CHANGE Uppercase/Lowercase: <input type="checkbox"/> RFC target sys:	
Import parameters	Value
PURCHASEORDER	4500000027
POHEADER	4500000027 X 00/00/0000 00000 0 0 0 0.000 0.000 00/00/000000/00/000000/00/000000/00/0000 00/00/0000
POHEADERX	X
POADDRVENDOR	
TESTRUN	
MEMORY_UNCOMPLETE	
MEMORY_COMPLETE	
POEXPIMHEADER	
POEXPIMHEADERX	
VERSIONS	00/00/0000
NO_MESSAGING	
NO_MESSAGE_REQ	
NO_AUTHORITY	
NO_PRICE_FROM_PO	
PARK_UNCOMPLETE	
PARK_COMPLETE	
Tables	Value
RETURN	0 Entries
POITEM	0 Entries
POITEMX	0 Entries
POADDRDELIVERY	0 Entries
POSCHEDULE	0 Entries
POSCHEDULEX	0 Entries
POACCOUNT	0 Entries
POACCOUNTPROFITSEGMENT	0 Entries
POACCOUNTIX	0 Entries
POCONDHEADER	0 Entries
POCONDHEADERX	0 Entries
POCOND	0 Entries
POCONDIX	0 Entries

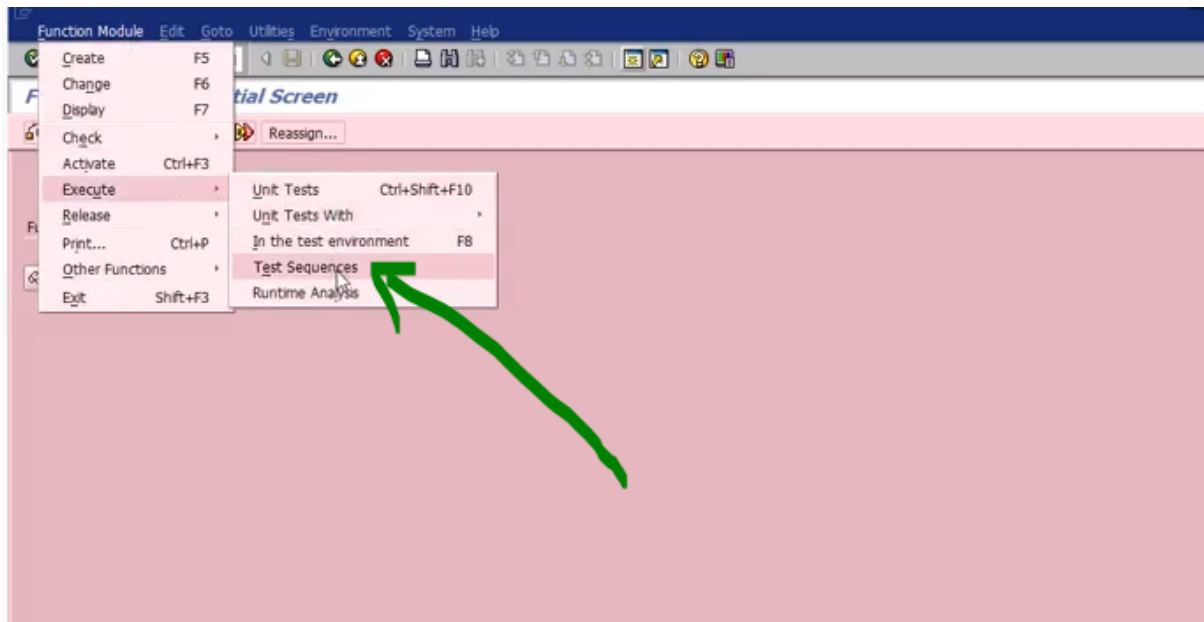
Below is the Saved Test Data Entry

Import parameters	Value
PURCHASEORDER	4500000027
POHEADER	4500000027 X 00/00/0000 00000 0 0 0 0.000 0.000 00/00/000000/00/000000/00/000000/00/0000 00/00/0000
POHEADERX	X
POADDRVENDOR	
TESTRUN	
MEMORY_UNCOMPLETE	
MEMORY_COMPLETE	
POEXPIMHEADER	
POEXPIMHEADERX	
VERSIONS	00/00/0000
NO_MESSAGING	
NO_MESSAGE_REQ	
NO_AUTHORITY	
NO_PRICE_FROM_PO	
PARK_UNCOMPLETE	
PARK_COMPLETE	

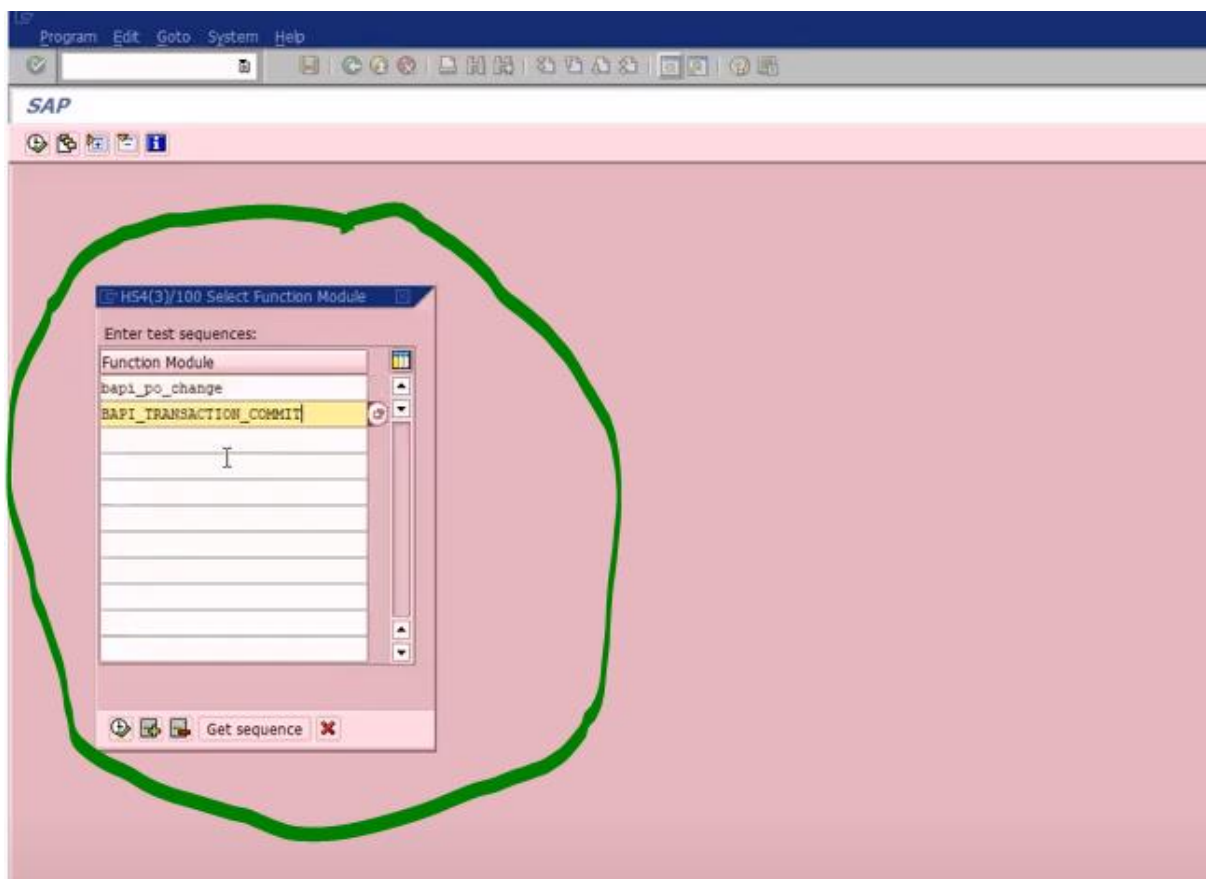
  

Tables	Value
RETURN	0 Entries
POITEM	0 Entries
POITEMX	0 Entries
POADDRDELIVERY	0 Entries
POSCHEDULE	0 Entries
POSCHEDULEX	0 Entries
POACCOUNT	0 Entries
POACCOUNTPROFITSEGMENT	0 Entries
POACCOUNTIX	0 Entries
POCONDHEADER	0 Entries
POCONDHEADERX	0 Entries
POCOND	0 Entries
POCONDIX	0 Entries

Now we go back to SE37 and follow the below path



We will put the following Function Modules.



Now we execute based on the saved Test data

Function modules Edit Goto Utilities System Help

**Test Function Module: Initial Screen**

Debugging Test data directory

Test for function group 2012  
 Function module BAPI\_PO\_CHANGE  
 Uppercase/Lowercase ☐  
 RFC target sys:

Import parameters	Value
POHEADER	4500000027
POHEADERX	X 00/00/0000 00000 0 0 0 0.000 0.000 00/00/000000/00
POADDRVENDOR	X
TESTRUN	
MEMORY_UNCOMPLETE	
MEMORY_COMPLETE	
POEXPIMPHEADER	
POEXPIMPHEADERX	
VERSIONS	00/00/0000
NO_MESSAGING	
NO_MESSAGE_REQ	
NO_AUTHORITY	
NO_PRICE_FROM_PO	
PARK_UNCOMPLETE	
PARK_COMPLETE	

Tables	Value
RETURN	0 Entries
POITEM	0 Entries
POITEMX	0 Entries
POADDRDELIVERY	0 Entries
POSCHEDEULE	0 Entries
POSCHEDEULEX	0 Entries
POACCOUNT	0 Entries
POACCOUNTPROFITSEGMENT	0 Entries
POACCOUNTTX	0 Entries
POCONDHEADER	0 Entries
POCONDHEADERX	0 Entries
POCOND	0 Entries
POCONDIX	0 Entries
POLIMITS	0 Entries
POCONTRACTLIMITS	0 Entries
POSERVICES	0 Entries
POSERVACCESSVALUES	0 Entries
POSERVICESTEXT	0 Entries
EXTENSIONIN	0 Entries
EXTENSIONOUT	0 Entries
POEXPIMPITEM	0 Entries

After Executing we will hit Back Button and this will call the Commit Function Module

Object Edit Goto Utilities Settings System Help

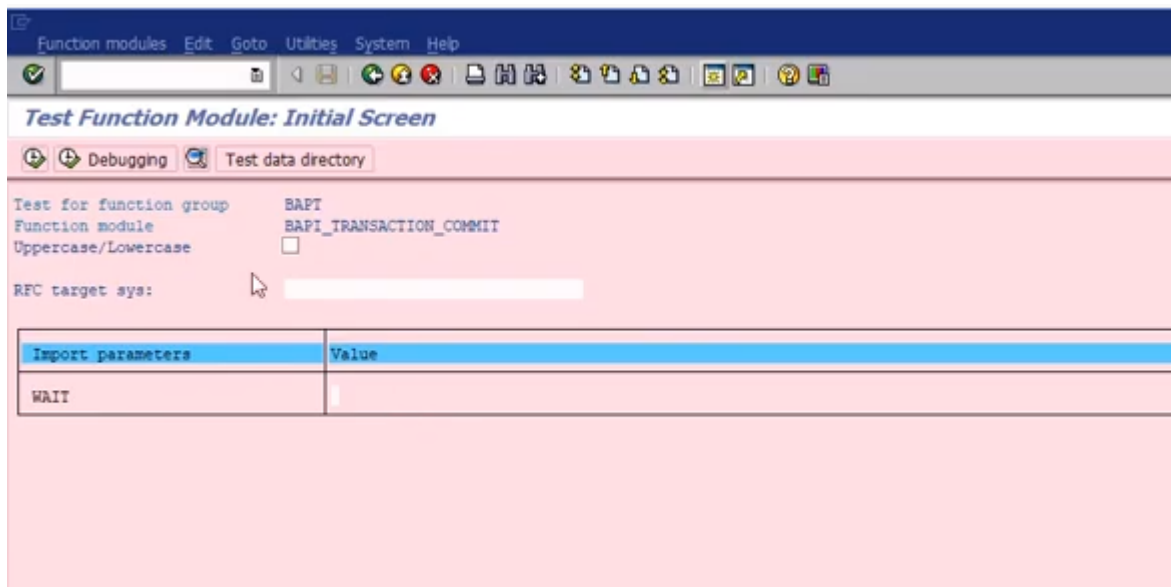
**Structure Editor: Display RETURN from Entry 1**

Column Entry Metadata

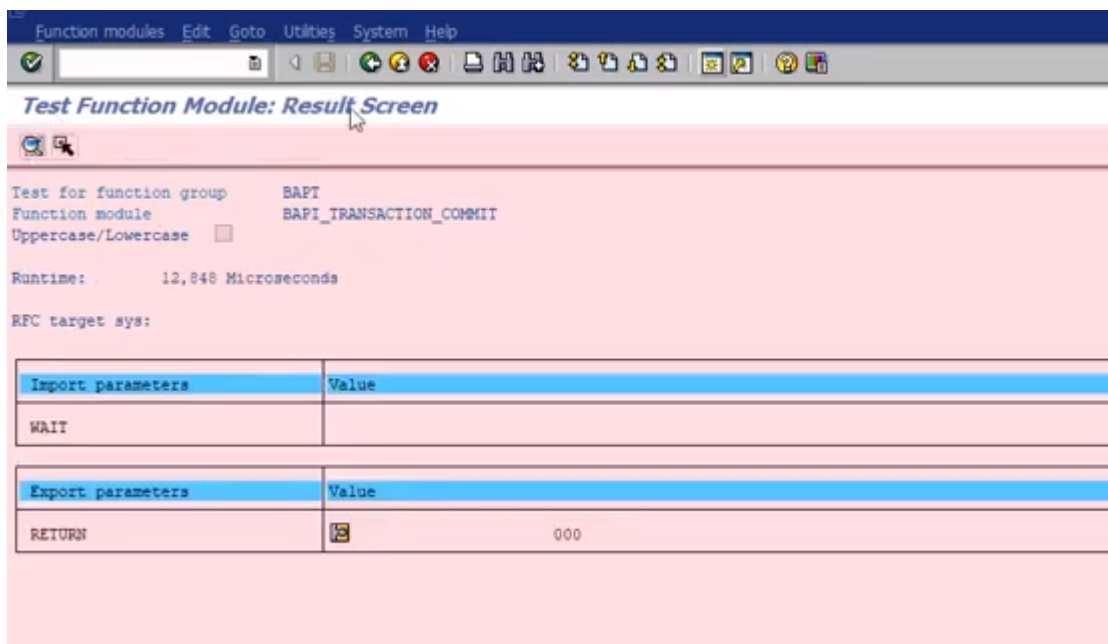
1 Entry

ID	NUM	MESSAGE
06	023	Stock Transp. Order 4500000028 changed

BAPI\_TRANSACTION\_COMMIT is called and we execute



Now executing is completed and the Database has committed.



## Conclusion

We can use this Blog for both SAP ECC and SAP S/4HANA