

Issue:

In CI9 AN Adapter version, the output cXML message generated after the second step of PI mapping (**MM_Custom_ORDERS_ORDERS05_2_CDF_cXML_XSD**) in the Purchase Order scenario for Ariba Network Adapter, the extrinsic node at Path:

“/ns0:Messages/ns0:Message1/cXML/Request/OrderRequest/ItemOut/BlanketItemDetail/Extrinsic” is not taking values from the source node when mapped using one-to-one mapping.

The screenshot displays the SAP Message Mapping interface. The top bar shows the message name 'MM_Custom_ORDERS_ORDERS05_2_CDF_cXML_XSD' and the namespace 'http://ariba.com/xi/ASN/Custom'. The main area is divided into two panes: 'Structure' on the left and 'Result' on the right. Both panes show a tree view of the message structure. In the 'Structure' pane, the path is: Request > OrderRequest > OrderRequestHeader > ItemOut > BlanketItemDetail > Extrinsic. The 'Result' pane shows the same path, but the 'Extrinsic' node is empty. Red boxes highlight the 'Extrinsic' nodes in both panes to show the mapping issue.

Cause:

A User defined java function "setParentNode" is missing in the mapping and this needs to be used to map this node instead of one-to-one mapping to pass the value to the parent node . A user-defined java function with a logic to set the Parent node with value when used in the mapping of the Extrinsic node will solve the issue. This function is used in CI8 version of the AN Adapter Custom Mapping and is missing from the CI9 Custom Mapping.

Resolution:

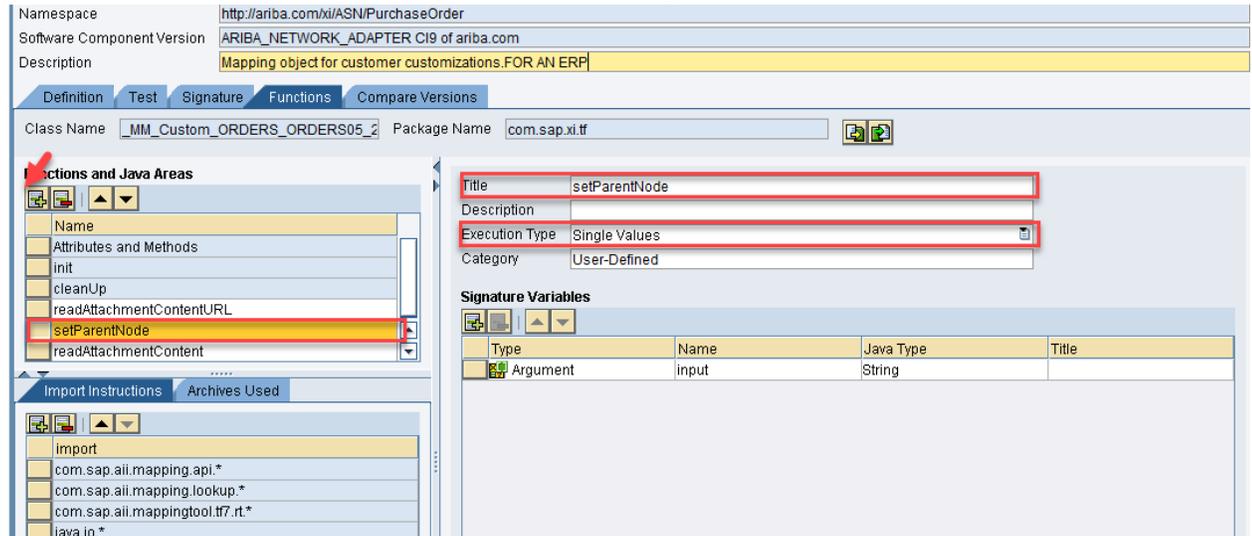
Please follow the below steps for the resolution of this mapping issue in CI9 Ariba adapter version.

1. Create a user-defined function in the custom mapping "MM_Custom_ORDERS_ORDERS05_2_CDF_cXML_XSD" which is under the namespace

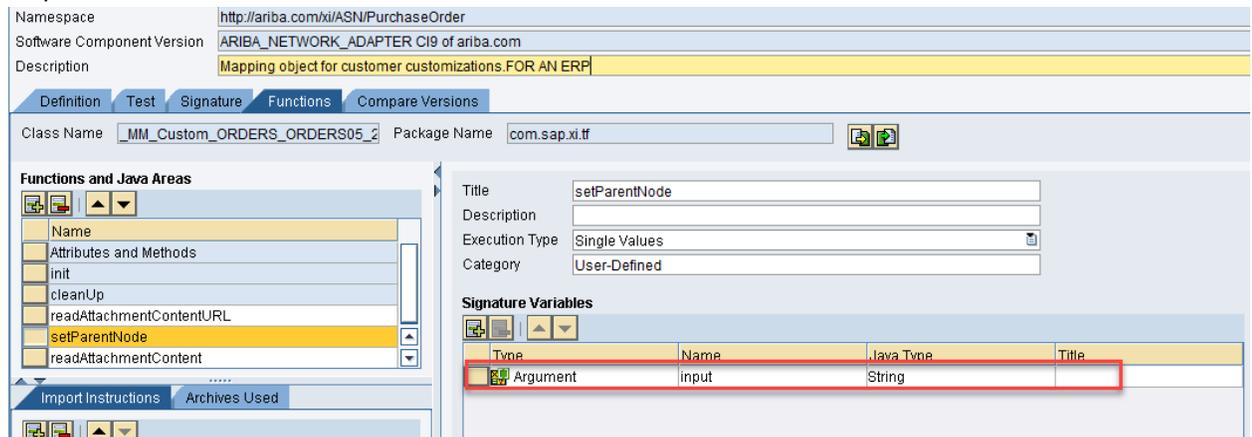
<http://ariba.com/xi/ASN/PurchaseOrder> under the Software Component Version ARIBA_NETWORK_ADAPTER CI9 of ariba.com

- a. Go to the Functions Tab, add a new Function named “setParentNode” in the Functions Area as shown below

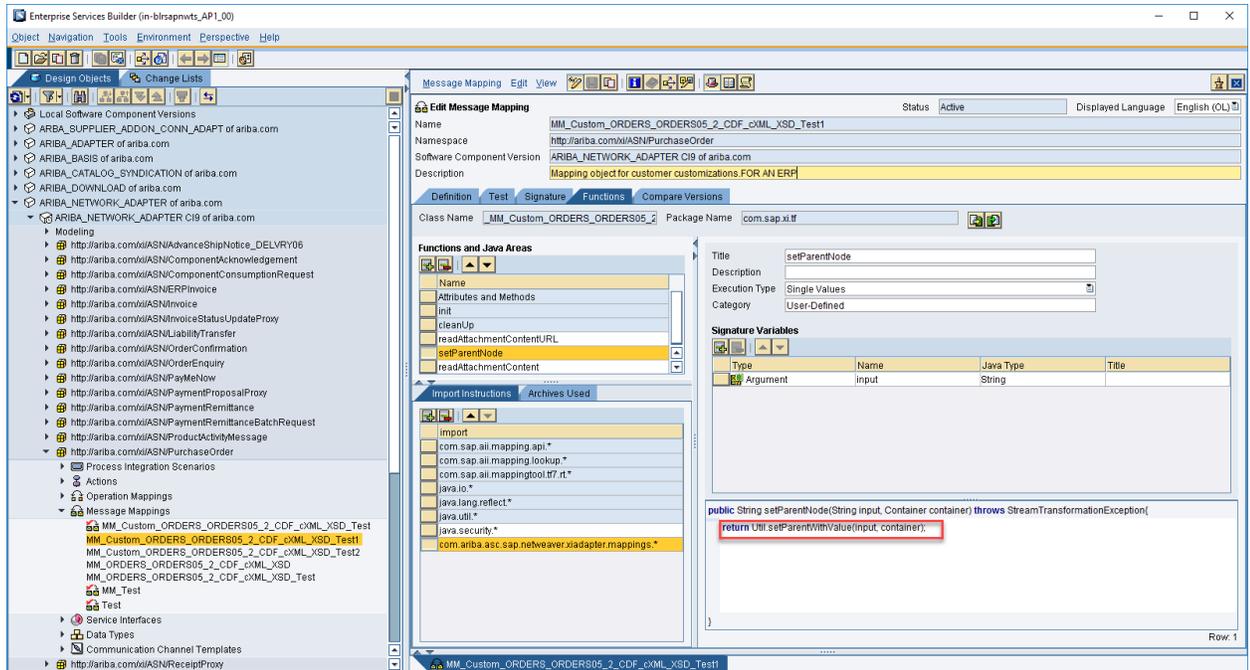
Set the Title accordingly and the Execution Type as “Single Values”



- b. Signature Variables: This function contains one input argument of type String, name it as “input” as shown below

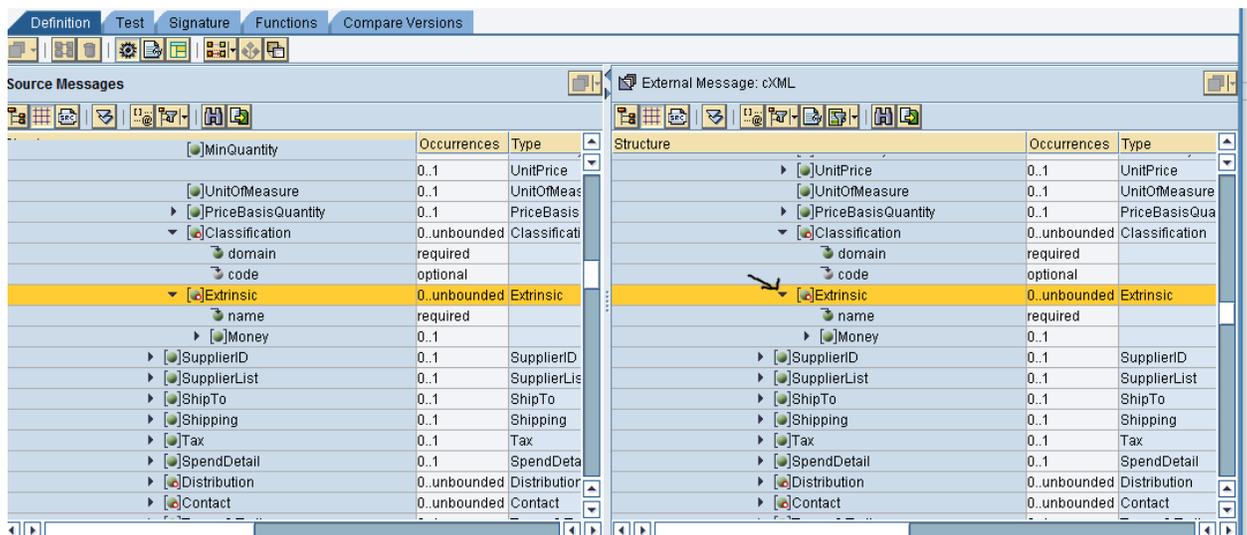


- c. Add the logic to return the value to the parent node container as shown below



- d. Save the Message mapping and activate it
2. Adding the mapping logic to use the user-defined function in the mapping of /ns0:Messages/ns0:Message1/cXML/Request/OrderRequest/ItemOut/BlanketItemDetail/Extrinsic node in Message mapping editor

- a. Navigate to the path /ns0:Messages/ns0:Message1/cXML/Request/OrderRequest/ItemOut/BlanketItemDetail/Extrinsic in the output mapping as shown below

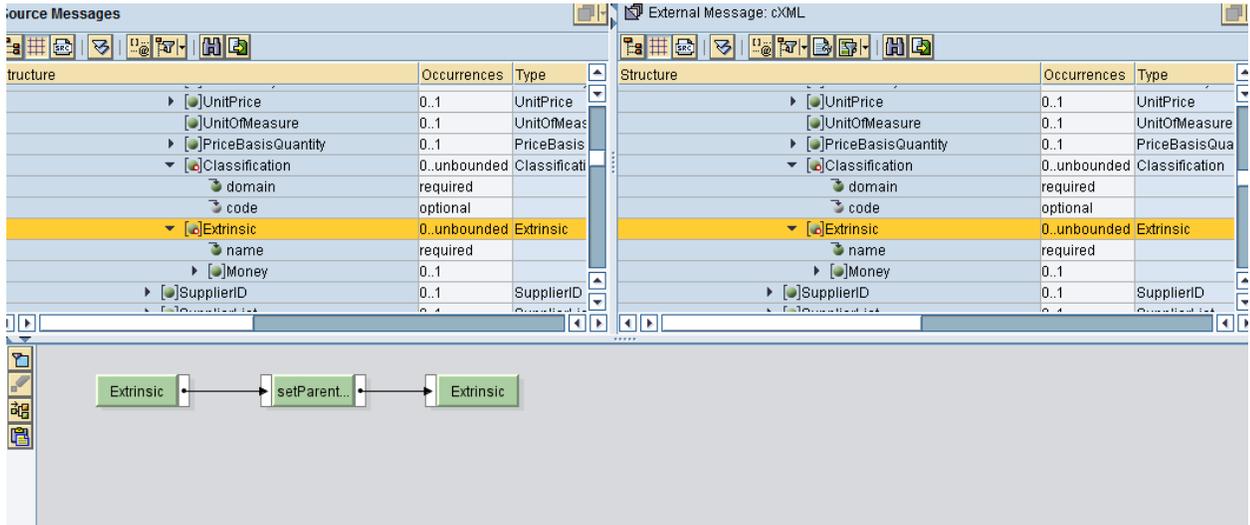


- b. Switch to edit mode, and click on the User-defined function from the drop down of the functions menu as shown below

You should now be able to see the newly created function “setParentNode” for your use in the mapping



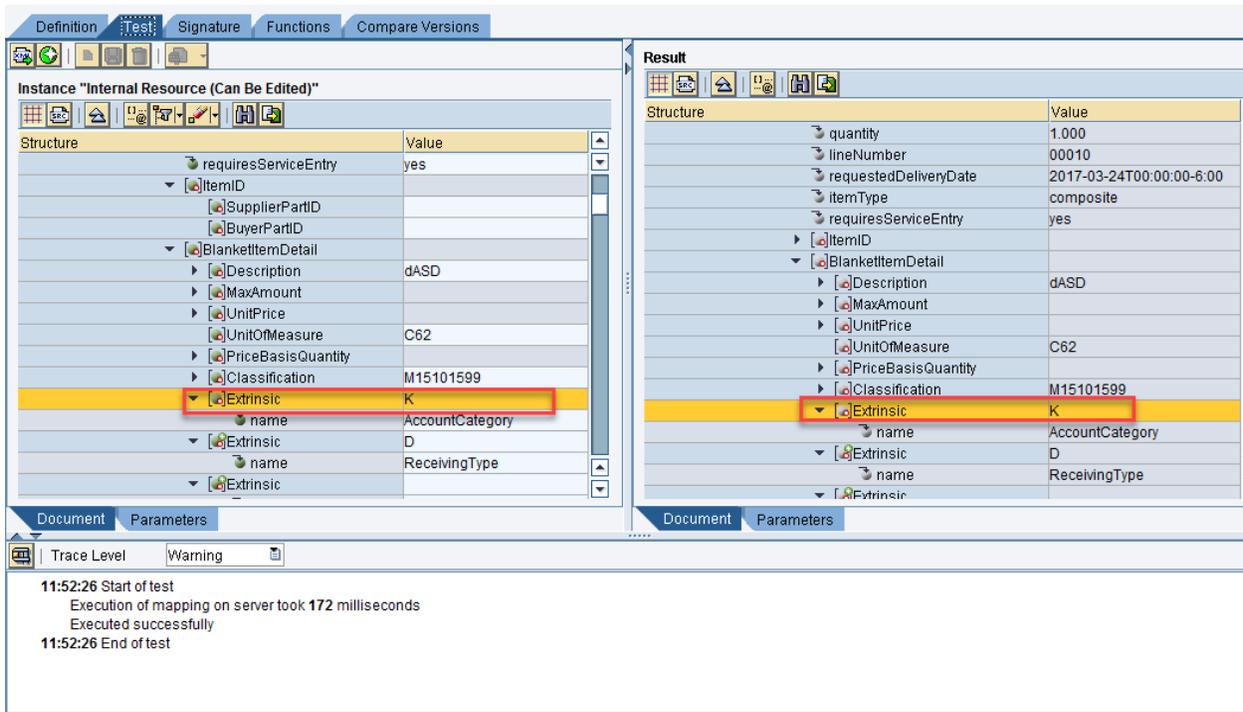
- c. Drag the function to the mapping editor and map it as below



- d. Save the mapping and activate it

Successful Test of mapping with a sample payload:

1. After the above change, test the mapping with a sample payload with values in the “Extrinsic” node and you can now see that the target node is picking up the values from the source node as expected



Note: Alternatively, you can refer to the same custom mapping of CI8 AN Adapter version which has this user-defined mapping in place for this scenario. The steps of how to add this user-defined function in CI9 Version for this mapping are explained above in detail.

The screenshot of the CI8 Version mapping of the same scenario is shown below for your reference

The screenshot displays the SAP Message Mapping interface. The left pane shows a project tree with the following structure:

- ARIBA_ONDEMAND_INVOICE of ariba.com
- ARIBA_ONDEMAND_PURCHASEORDER of ariba.com
- ARIBA_ONDEMAND_RECEIPT of ariba.com
- ARIBA_ONDEMAND_SRVENTRYSHEET of ariba.com
- ARIBA_SOURCING_ADAPTER of ariba.com
- ARIBA_SUPPLIER_CONN_ADAPTER of ariba.com
 - ARIBA_SUPPLIER_CONN_ADAPTER C17 of ariba.com
 - ARIBA_SUPPLIER_CONN_ADAPTER C18 of ariba.com** (highlighted)
- Modeling
 - http://ariba.com/xi/ASCIAdapter
 - http://ariba.com/xi/ASNAdvanceShipNotice_DELVRY06
 - http://ariba.com/xi/ASNBuyerRemittance
 - http://ariba.com/xi/ASNCatalog
 - http://ariba.com/xi/ASNCommonBasis
 - http://ariba.com/xi/ASNContractCreatReq
 - http://ariba.com/xi/ASNContractCreatRes
 - http://ariba.com/xi/ASNERInvoice
 - http://ariba.com/xi/ASNInvoice
 - http://ariba.com/xi/ASNInvoiceStatusUpdateProxy
 - http://ariba.com/xi/ASNLIabilityTransfer
 - http://ariba.com/xi/ASNOrderConfirmation
 - http://ariba.com/xi/ASNOrderEnquiry
 - http://ariba.com/xi/ASNPaymentMeNow
 - http://ariba.com/xi/ASNPaymentProposalProxy
 - http://ariba.com/xi/ASNPaymentRemittance
 - http://ariba.com/xi/ASNPaymentRemittanceBatchRequest
 - http://ariba.com/xi/ASNPurchaseOrder
- Process Integration Scenarios
- Actions
- Operation Mappings
- Message Mappings
 - MM_Custom_ORDERS_ORDERS05_2_CDF_cXML_XSD** (highlighted)
 - MM_ORDERS_ORDERS05_2_CDF_cXML_XSD
- Service Interfaces
- Data Types
- Communication Channel Templates
 - http://ariba.com/xi/ASNIQuoteMessage
 - http://ariba.com/xi/ASNIQuoteRequest

The main workspace shows the 'Display Message Mapping' for 'MM_Custom_ORDERS_ORDERS05_2_CDF_cXML_XSD'. The 'Source Messages' and 'External Message: cXML' panels show the following structure:

Structure	Occurrences	Type
MaxQuantity	0..1	MaxQuantity
MinQuantity	0..1	MinQuantity
UnitPrice	0..1	UnitPrice
UnitOfMeasure	0..1	UnitOfMeasure
PriceBasisQuantity	0..1	PriceBasisQuantity
Classification	0..unbounded	Classification
Extrinsic	0..unbounded	Extrinsic
SupplierID	0..1	SupplierID
SupplierList	0..1	SupplierList
Money	0..1	Money

The 'Functions' panel at the bottom shows the following user-defined functions:

- Local_readAttachmentContentURL
- Local_readAttachmentContent
- Local_setParentNode** (highlighted with a red arrow)

The mapping diagram shows an 'Extrinsic' element connected to a 'setParent' function, which is then connected to another 'Extrinsic' element. A red arrow points to the 'setParent' function in the diagram.