

3 - Web service integration

Web service integration

Using WebServices it is possible to integrate different systems.

Using this function it is possible to receive data from external sources.

This is made possible by using set API that will give back json values, those will become variables that can be used within every process.

TEST WEB SERVICE

SAVE

CANCEL

Name	Get TEXT and Code WEBSERVICE		A name for this web service
Description	Returns md5 valueand text		
Active	<input checked="" type="checkbox"/>		If flagged, the web service can be used in processes
Type	REST		The type of web service to call
Method	GET		The HTTP method to use for the request
Endpoint	http://md5.jsontest.com		The endpoint for the request, for example https://mywebsite.example.com/api/
Authentication	User Name	Password	
	admin	*****	
Headers	ADD HEADER		
Parameters	ADD PARAMETER		
Returned fields	Field name	Value to extract	
	value	original	
	crypt	md5	
	ADD FIELD		

Fields to extract from the Web service result. Only simple flat json and xml objects are supported.

To exploit the potentialities of the Web Service first it is necessary to enter some fundamental parameters.

To do so we go to:

Settings --> Business Process --> Manager External --> Web Services

vtenext

permissions

Condition based fields

Wizard creator

Module creator

Module settings

Picklist editor

Internationalized picklist

Linked picklist

Encrypted fields

Top menu settings

Listview colors

Mail Converter

External data import

External Web services

Settings > External Web services

Configure external Web services to be used with processes

ADD

Name	Description	Type	Active	Tools
Get TEXT and Code WEBSERVICE	Returns md5 valueand text	REST	Yes	

[Scroll to Top]

Clicking on “Add” it is possible to set a new Web Service with the desired parameters. In this case we use `http://md5.jsontest.com`

TEST WEB SERVICE
SAVE
CANCEL

Name
Get TEXT and Code WEBSERVICE
Returns md5 valueand text

A name for this web service

Description

Active
☒

If flagged, the web service can be used in processes

Type
REST

The type of web service to call

Method
GET

The HTTP method to use for the request

Endpoint
http://md5.jsontest.com

The endpoint for the request, for example https://mywebsite.example.com/api/

Authentication

User Name
admin

Password

Headers

ADD HEADER

Parameters

ADD PARAMETER

Returned fields

Field name	Value to extract
value	original
crypt	md5

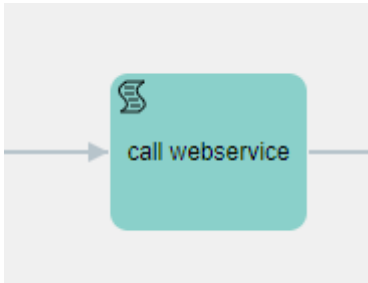
ADD FIELD

Fields to extract from the Web service result. Only simple flat json and xml objects are supported.

Once configured the desired Web Service it can be used in every process. Let’s see an example:



- In the **first task** we recall the a Web Service set to become an actual entity of the process.
- In the **second task** the principal entity of the process will be updated with the data given by the Web Service itself.



In this Task we set the use of the previously configured Web Service:

New Action Call --> External Web Service

BPMN-ScriptTask: Call webservice ScriptTask_13pnz3y

SAVE CANCEL ADVANCED...

NEW ACTION

Create a new action CREATE

- Send email
- Send newsletter
- Create entity
- Update entity
- Delete entity
- Reset dynamic form
- Reset conditional fields
- Link entities
- Link static entities
- Call external Web service

Actions	
Tools	Action
	WebService jsonrest

☐ Process Helper

From the pick list Web Service we select the desired one and so all the related data will be displayed.

At this point it becomes an effective entity of the process. In the section Parameters it is possible to add dynamics values to pass to the URL.

The Parameter's name and its value are indeed specified (it can be selected by the pick list "Values").

Action: Call external Web service

SAVE CANCEL

Action title WebService jsontest

Web service Get TEXT and Code WEBSERVICE

--Please select--
Get TEXT and Code WEBSERVICE

Authentication

User Name admin Selezione Opzione... Password *** Selezione Opzione...

Parameters

Additional parameters

Parameter name text Selezione Opzione... Parameter value \$7-designation Selezione Opzione...
ADD PARAMETER

Returned fields

value original Selezione Opzione... crypt md5 Selezione Opzione...



It is now possible to update any field of the selected entity with the values obtained by the Web Service.

Here we decide to update the field “Description” and so we select in the pick list the entity Web Service.

After that, we select one of the given field, in this case the “crypt” field is highlighted which gives back the md5 value.

Description Information

☒ Description

Select Option...
Select Option...
SDK Functions
[\$7] Leads (BPMN-Task:)
[\$WS] Web service (BPMN-ScriptTask: WebService jsontest)

☐ Country Select Option... ☐ State

Description Information

☒ Description

Select field...
Back to options
[\$WS] Web service (BPMN-ScriptTask: WebService jsontest)
Positive result?
Response code
Response message
value
crypt
Select field...

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