



Leading the **Integration** Revolution

Your business problems have changed.
Why hasn't your integration solution?



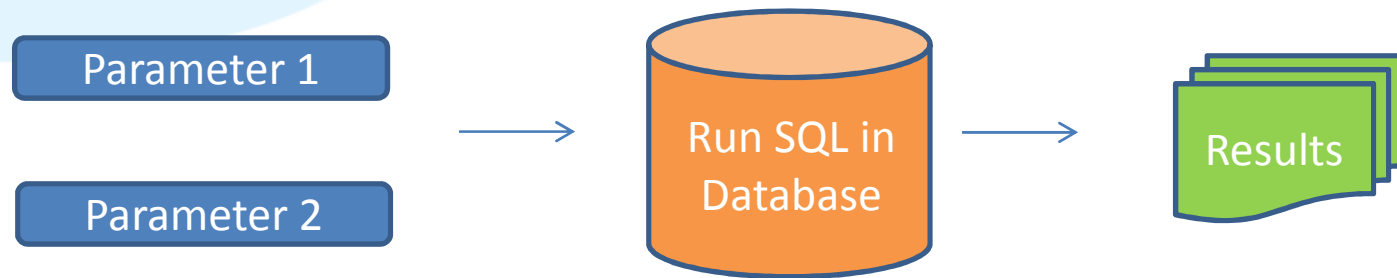
ADEPTIA

Using Adeptia

Use Case: Passing parameters dynamically to SQL Query

Use Case: Dynamic parameters

Pass the source parameters into a dynamic SQL query and get the results

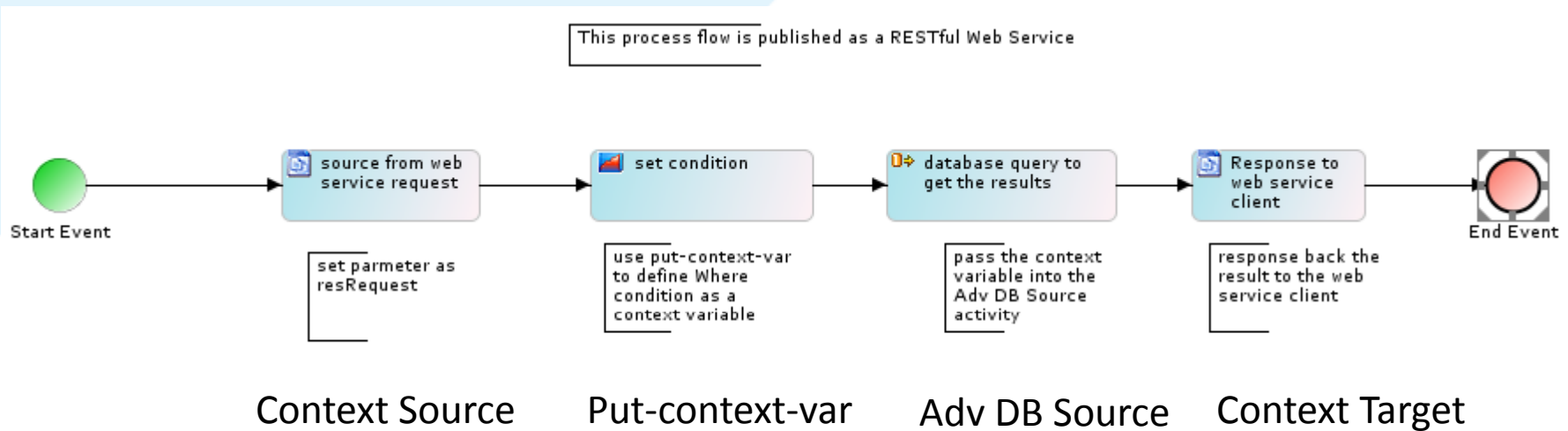




Design the Process Flow

Design Process Flow

Design the process flow from the activities available from the Repository



Configure Adv Database Source

Getting Started | Projects | Solutions | Process | Services | Events | Web Forms | Reports and Dashboards

Services > Source > Adv. Database

Delete + Create New

- Name
- SupportDatabase_Source
- AdvDB_NonEDI_Outbound_Source
- AdvDB_EDl_Outbound_Source
- AdvDB_DI_Source
- DBSource

Edit Advanced Database Source: SupportDatabase_Source

Standard Properties

Name* SupportDatabase_Source

Description* source activity with dynamic sql query

Database Info* SupportDataConnection

Schema Name* SupportDatabase_Schema

Edit Queries

Edit Query for Advanced Database Source
Schema Name: SupportDatabase_Schema

Table Name	SQL Query	Where Clause
DB/tracker/	SELECT JobType,HiringManager,Department,OfferAmount,Unit,StartDate,JobTit	WHERE \$\$condition\$\$ ✓

Ok Cancel

Configure Put-Context-var

In the process flow, the put-context-var is configured as shown below. Please note that the variables defined are case sensitive.

The screenshot displays the 'Edit Context Variables' dialog box and a process flow diagram. The dialog box is titled 'Edit Context Variables' and contains a 'Context Variable Information Table' with the following data:

Activity Name	Variable Name	Variable Value
	condition	JobTitle = '\$\$jobtitle\$\$' and...

Below the table, the 'Context Variable Information' section shows the following configuration:

- Activity Name : [dropdown]
- /variable Name : condition ✓
- /variable Value : JobTitle = '\$\$jobtitle\$\$' and State = '\$\$state\$\$' ✓

The process flow diagram shows a 'set condition' activity followed by a 'database query to get the results' activity. A red checkmark is placed over the 'set condition' activity. A text box above the flow states 'This process flow is published as a RESTful Web Service'. A red arrow points from the 'set condition' activity to the text box. Another red arrow points from the 'set condition' activity to the 'database query to get the results' activity. A red checkmark is also placed over the 'database query to get the results' activity. A tooltip on the right side of the diagram says 'context into the Source'.

Publish process flow as RESTful Web Service

Getting Started | Projects | Solutions | Process | Services | Events | Web Forms | Reports and Dashboards

Services > Web Services > Provider ✓

Synchronize Delete + Create New

Name
support ✓
FulfillmentWebService

Edit Web Service Provider: support

Name* support

Description* support service

Character Set Encoding* ISO-8859-1 Refresh

Publish Type SOAP REST

Resource End Path* /case

Process Flow Name* UseCase_DynamicQueryProcess

#	Name	Value	Style
1			Query
2			Query
3			Query
4			Query

Resource Parameter

No. of Rows 1 at Position 5 Add Row Remove Row

Add Method

#	Method Type	Action
1	GET	Edit Delete

Method Parameter

Security Policy

Save

Variable names defined under 'Get' are same as the ones provided in the context variable of the process flow's put-context-var.



Running the Process Flow

Use a Web Service client to test the solution

The screenshot displays a REST client interface with the following details:

- Method:** GET
- Endpoint:** http://localhost:8080
- Resource:** /adeptia/publishProviderByRest/support/case
- Parameters:** ?jobtitle=Administrative&state=CA

The response is shown in XML format:

```
<DB>
  <tracker recordNumber="1">
    <JobType>Administrative</JobType>
    <HiringManager/>
    <Department>ENGR5420</Department>
    <OfferAmount>3000</OfferAmount>
    <Unit>888066958</Unit>
    <StartDate>3/10/2014</StartDate>
    <JobTitle>Administrative</JobTitle>
    <OfferDate>3/10/2014</OfferDate>
    <ApplicantName>DawnDotson</ApplicantName>
    <Address>769 Gate Avenue</Address>
    <City>Los Angeles</City>
    <State>CA</State>
    <ApplicantReviewStatus>Dental</ApplicantReviewStatus>
    <ApplicantSignature>3/10/2014</ApplicantSignature>
    <AcceptanceDate>3/10/2014</AcceptanceDate>
    <HiringManagerReviewStatus>PNY773</HiringManagerReviewStatus>
  </tracker>
  <tracker recordNumber="2">
    <JobType>Administrative</JobType>
    <HiringManager/>
    <Department>ENGR5421</Department>
    <OfferAmount>3000</OfferAmount>
    <Unit>888239892</Unit>
    <StartDate>3/10/2014</StartDate>
    <JobTitle>Administrative</JobTitle>
    <OfferDate>3/10/2014</OfferDate>
    <ApplicantName>NancyHolland</ApplicantName>
    <Address>65 Edgeware Road</Address>
    <City>San Diego</City>
    <State>CA</State>
  </tracker>
</DB>
```

A red checkmark is visible next to the first XML element.

The interface also includes a table for request parameters:

Name	Value	Style	Level
jobtitle	Administra...	QUERY	RESOURCE
state	CA	QUERY	RESOURCE



Thank you!