A D E P T I A

Process: WeatherService

Start Event → Weather_Input_map → WeatherService → Weather_Output_map → set email → WeatherReport → End Event

Process Variables

Key	Initial Value	Type	Activity Name	Activity Label	Activity Type	Track
No Process Variable Defined						

Process Activities

Start Event			
Comments			
Transition	**To**	**Name**	**Type**
	Weather_Input_map		Uncontrolled Flow

Weather_Input_map			

Comments	Weather_Input_Map
	
	Takes Form data (zipcode and email) and maps it to the Input SOAP XML of the Weather Web Service.
	Create a Form by going to Configure > Services > Form and create a simple form with two fields zipcode and email.
	Now create the flow with the activities as explained in the document. And then Link the Form through My Solutions category to this process flow. Refer to this exmaple on how the Form can be attached to the Process Flow.
	The mapping does not conusme any data and it generates data as SOAP XML Input to the web service.
	
	Here's an exmaple of the web service request:
	`<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:weat="http://ws.cdyne.com/WeatherWS/">`
	`  <soapenv:Header/>`
	`  <soapenv:Body>`
	`    <weat:GetCityWeatherByZIP>`
	`      <!--Optional:-->`
	`      <weat:ZIP>60503</weat:ZIP>`
	`    </weat:GetCityWeatherByZIP>`
	`  </soapenv:Body>`
	`</soapenv:Envelope>`		

Transition	**To**	**Name**	**Type**
	WeatherService		Uncontrolled Flow
Attached entity properties	Name	Weather_Input_map	
	Description	map the input value to WS	

WeatherService			
Comments	Web Service consumer activity which consumes this web service: http://wsf.cdyne.com/WeatherWS/Weather.asmx?wsdl Operation executed is WeatherByZipCode		
Transition	**To**	**Name**	**Type**
	Weather_Output_map		Uncontrolled Flow
Attached entity properties	Name	WeatherService	
	Description	connect and get weather report	

Weather_Output_map	

Comments	Output of the Web Service is mapped to context variables which are then set in the email through Put-context variable.
	Here's an example of the output data from web service call:
	`<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">`
	`  <soap:Body>`
	`    <GetCityWeatherByZIPResponse xmlns="http://ws.cdyne.com/WeatherWS/">`
	`      <GetCityWeatherByZIPResult>`
	`        <Success>true</Success>`
	`        <ResponseText>City Found</ResponseText>`
	`        <State>IL</State>`
	`        <City>Aurora</City>`
	`        <WeatherStationCity>Aurora</WeatherStationCity>`
	`        <WeatherID>4</WeatherID>`
	`        <Description>Sunny</Description>`
	`        <Temperature>76</Temperature>`
	`        <RelativeHumidity>30</RelativeHumidity>`
	`        <Wind>S15</Wind>`
	`        <Pressure>30.08F</Pressure>`
	`        <Visibility/>`
	`        <WindChill/>`

	<Remarks/> </GetCityWeatherByZIPResult> </GetCityWeatherByZIPResponse> </soap:Body> </soap:Enve

Transition	To	Name	Type
	set email		Uncontrolled Flow

Attached entity properties	Name	Weather_Output_map
	Description	weather output

WeatherReport

Comments	This is Mail Notification activity that sends out email to the email address provided in the form. Here's the message example in the email that is send out depending upon the zip code provided in the request. You can put html tags to make the body look better. Open the put-context-var action and look at the message variable declaration and see how html tags can be included in the message body. System Mail server properties related to SMTP are defined in the Application Settings. Refer to the Help guide on how this is setup. Weather report for Aurora, IL Temperature: 76 Description: Sunny Humidity: 30 Wind: S15 Pressure: 30.08F

Transition	To	Name	Type
	End Event		Uncontrolled Flow

Attached entity properties	Name	WeatherReport
	Description	report weather data

set email

Comments	This is put-context-var that sets several Mail Notification variables. message: <h2>Weather report for $$city$$, $$state$$</h2><p><h3>Temperature: $$temperature$$
Description: $$description$$
Humidity: $$humidity$$
Wind: $$wind$$
Pressure: $$pressure$$</h3> mailReceiverUsers: $$email$$ subject: Weather report for $$zipcode$$, %%month-dd-yyyy%%

Transition	To	Name	Type
	WeatherReport		Uncontrolled Flow

Actions properties	Name	PutContextVarTag1
	Type	Put-Context-Var

End Event

Comments	

Process Details

Process Flow Name	WeatherService
Process Flow ID	1921680010371338225930499000016
Process Flow Description	weather service
Retain Variable XML	false
Recoverable	true
Creation Date	Mon May 28 12:52:59 CDT 2012
Modification Date	Mon May 28 12:52:59 CDT 2012
Logging Level	ERROR
Owner	admin
Group	administrators
Total Number of Activities	7