Leading the Integration Revolution

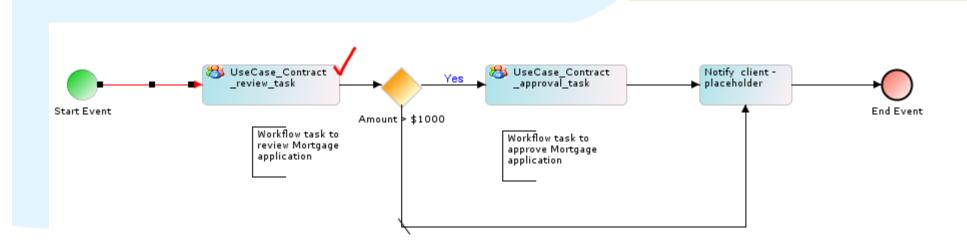
Your business problems have changed. Why hasn't your integration solution?



Use Case: Dynamic Web Form using REST API and JSON



Using Dynamic Forms in a Workflow



Dynamic form is being used in a Contract management workflow consisting of a Review and Approval steps for a mortgage application.

Review Task shows a application form to a Workflow user and when the user enters A Client ID the form automatically enters the mortgage details related to the property in rest of the fields. If the monthly mortgage amount is greater than \$1000 it requires further approval else the workflow sends a notification to client and completes the process.

Refer to the deployable solution for more details. Also refer to the video for this use case.



High level scenario

Web form is automatically filled when a field in the form is entered by a User. Form automatically calls RESTful API and gets a response in JSON which is mapped to the fields.

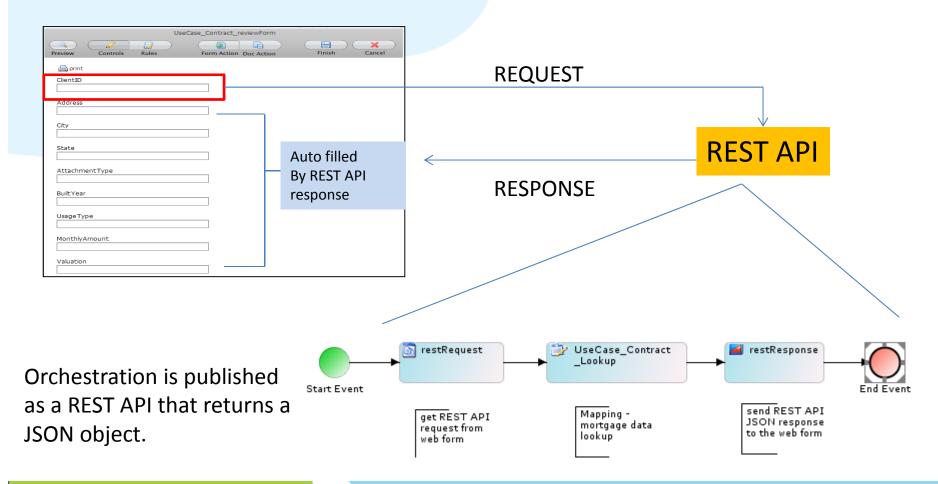
Review Task form

UseCase_Contract_reviewFor Preview Controls Rules Form Action Doc Acti			
Deprint ClientID		REQUEST	
Address			
City State	Auto filled	<	REST API
Attachment Type Built Year	 By REST API response 	RESPONSE	
UsageType			
MonthlyAmount			
Valuation			



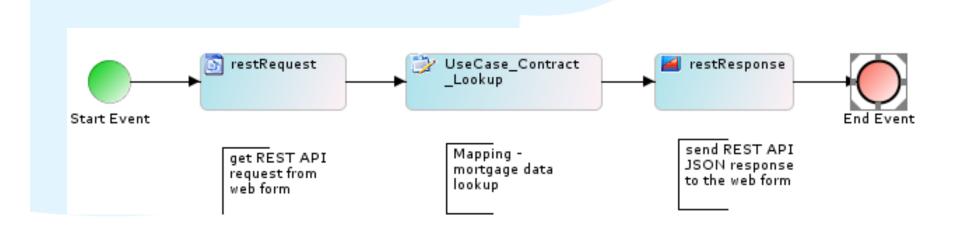
REST API design overview

Web form is automatically filled when a field in the form is entered by a User. Form automatically calls RESTful API and gets a response in JSON which is mapped to the fields.





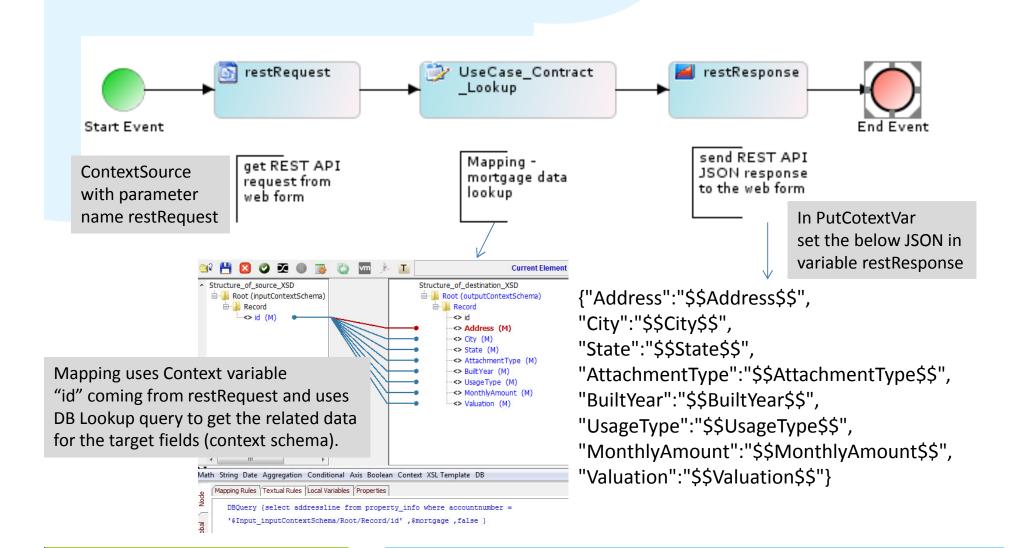
REST API design details



- Form request is received by the first activity
- Mapping does a lookup to get Mortgage data of a property from a database
- The lookup result is converted into a JSON object as a response to the Form



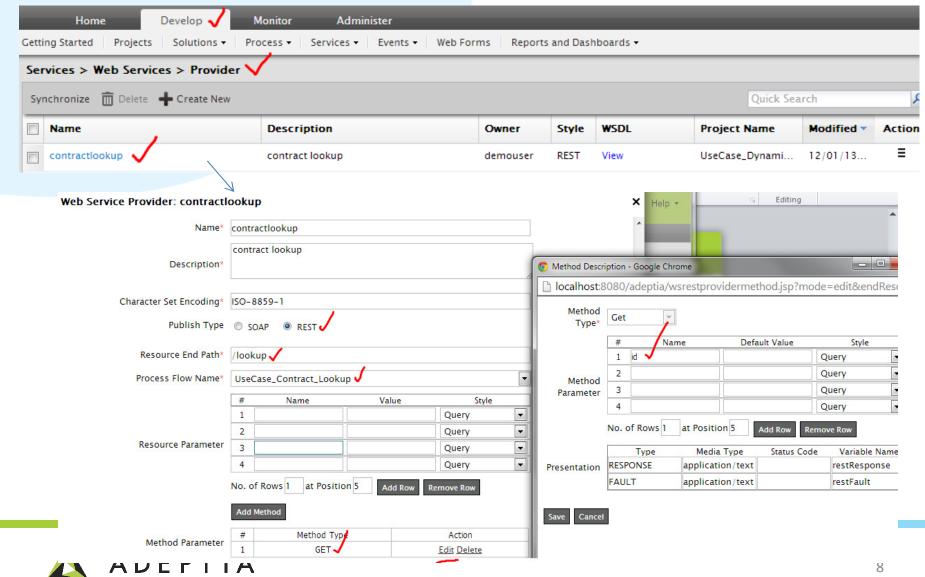
REST API design details





Publishing Orchestration as a RESTful API

Process flow described in previous step is published as a REST API



Design a Web Form

Home Develop' Administer Monitor Web Forms V Reports and Dashboards -Getting Started Projects Process - Services - Events -Solutions -Web Forms 🔟 Delete 🛛 🕂 Create New Quick Search O Name Description Owner Project Name Modified Action Ξ 0 UseCase_Contract_review Contract Review form demouser UseCase_Dynamic_W... 12/01/13 1... ≡ 0 UseCase_Contract_approval Contract approval form demouser UseCase_Dynamic_W... 12/01/13 1... Info: -If you want to use this form as menu link the elect a theme other than default theme(WorkFlowTaskTheme).Go to "Style(Tab)-->Theme" to change PALETTE UseCase_Contract_reviewForm • UseCase_Contract_reviewForm Dropdown Text 12 0 6 0 Radio TextArea Preview Controls Rules Form Action Doc Action Finish 0 Preview Controls Rules Form Action Doc Action Finish Checkbox Date print Section 🖂 EMail Create New Rule 🔍 View All Q ClientID 🚔 Repeat A Money 🎡 Rule 53 🥯 🔯 I Tabs Phone Rules can be used to dynamically modify form behaviour Address Panel 19 Quantity Message Number Name Enabled 💻 Image 阕 Link Rule 53 1 City 🞽 Video Trigger Description 🗔 Upload Submit Rules can be used to dynamically modify form behaviour State CUSTOM Rule PROPERTIES if (ClientID.value.length > 4) { AttachmentType Form Info Settings Style eval ('x=' + http.get Help ('http://localhost:8080/adeptia/publishProviderByRest/contractlookup/lo okup?id=' +ClientID.value)); - 600px BuiltYear Width regular Height Address.value = x.Address; Controls vertical City.value = x.City; UsageType State.value = x.State; • Theme WorkFlowTaskTheme AttachmentType.value = x.AttachmentType; -Font Name BuiltYear.value = x.BuiltYear; UsageType.value = x.UsageType; MonthlyAmount -Font Size MonthlyAmount.value = x.MonthlyAmount; Font Color Valuation.value = x.Valuation; DATA SOURCES Valuation



Web Form rule configuration to automatically call REST API

UseCase_Contract_reviewForm	
Preview Controls Rules Form Action Doc Action	Finish 0
Create New Rule 🛇	View All Q
🌼 Rule 53 🥯 🔯	
Rules can be used to dynamically modify form behaviour	
Name	Enabled
Rule 53	
Description	
Rules can be used to dynamically modify form behaviour	
Rule	
if (ClientID.value.length > 4) {	
<pre>eval ('x=' + http.get ('http://localhost:8080/adeptia/publishProviderByRest/com okup?id=' +ClientID.value));</pre>	stractlookup/lo
Address.value = x.Address;	
City.value = x.City;	
<pre>State.value = x.State; AttachmentType.value = x.AttachmentType;</pre>	
BuiltYear.value = x.BuiltYear;	
UsageType.value = x.UsageType;	
MonthlyAmount.value = x.MonthlyAmount;	
Valuation.value = x.Valuation;	

if (ClientID.value.length > 4) {

eval ('x=' + http.get
('http://localhost:8080/adeptia/publishProviderByRest/cont
ractlookup/lookup?id=' +ClientID.value));

Address.value = x.Address; City.value = x.City; State.value = x.State; AttachmentType.value = x.AttachmentType; BuiltYear.value = x.BuiltYear; UsageType.value = x.UsageType; MonthlyAmount.value = x.MonthlyAmount; Valuation.value = x.Valuation;

URL of the Process flow that is published as a REST API is used in the function shown above. Client ID is passed into the "id" variable of the REST URL and then the result of the Call is mapped to the form fields. This function in javascript enables automatic form entry based on the REST API response. You call multiple REST APIs in the form rules.



	Use	e Case proje	ct					
	Home	Develop Monitor	Administer					
Gett	ting Started Pi	rojects Solutions - Process -	Services - Events - Web For	ms Reports and Dashbo	ards 🕶			
Pro	ojects							
		-t- Nou						Quick Second
	Delete 🕂 Cre	ate New						Quick Search
	Name	,	Descripti	on		Owner	Group	Modified 🔻
	UseCase_Dyna	mic_WebForms 🗸	creating d	namic web forms using RE	ST API and JSON	demouser	DemoGroup	12/01/13 09:33
	7							
		Home Develop	Monitor Administer					
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		Projects						
		List of activities included in project	"UseCase_Dynamic_WebForms"					
		🖣 Back Move 🝣		Q		rch 🔎		
		Name Name	Description	Owner	Modified	Action		
		🖻 Data Mapping (1)						
		UseCase_Contract_Lookup	Lookup Mapping	demouser	12/01/13 11:19	Ξ		
		Human WorkFlow (2)						
		UseCase_Contract_approval_task	Contract review	demouser	12/01/13 11:25	=		
		UseCase_Contract_review_task	Contract review	Contract review	12/01/13 10:05	Ξ		
		Process Flow (2)						
		UseCase_Contract_Lookup	this process is published as a REST AP	l demouser	12/01/13 16:11	=		
		UseCase_Contract_review	contract review process	demouser	12/01/13 11:32	≡		
		Web Forms (2)						
		UseCase_Contract_approval	Contract approval form	demouser	12/01/13 11:10	Ξ		
		UseCase_Contract_review	Contract Review form	demouser	12/01/13 11:44	Ξ		
		Web Service Provider (1)						
		Contractiookup	contract lookup	demouser	12/01/13 10:00	Ξ		
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Thank You!

