Leading the Integration Revolution

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





Use Case : Executing Database Stored Procedures

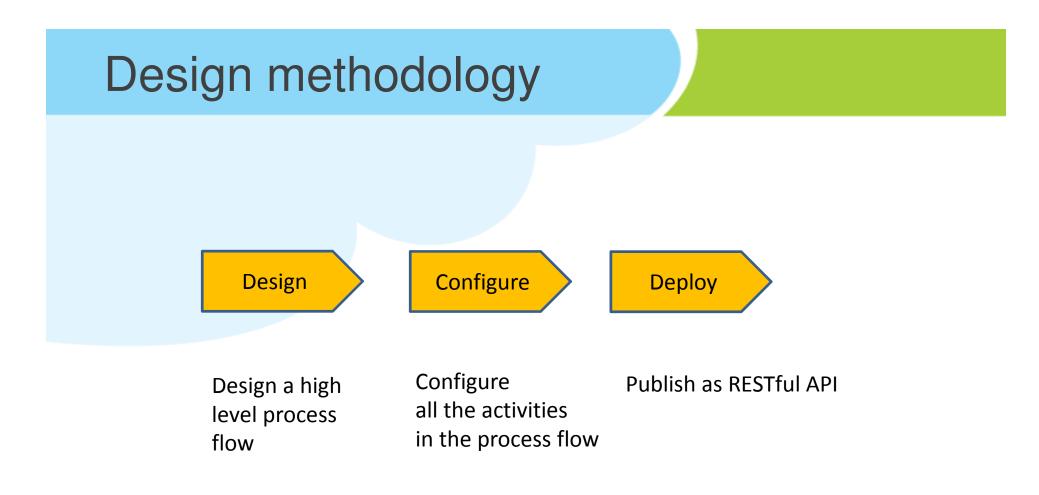


Use Case highlights

In this use case we will go through following steps:

- 1. Configure a Database Stored Procedure activity
- 2. Execute the activity as part of an orchestration
- 3. Publish the orchestration as a RESTful Web Service
- 4. Call the orchestration through a RESTful Web Service
- 5. Convert the Stored Procedure response into a JSON object
- 6. Pass the JSON object as a Web Service response

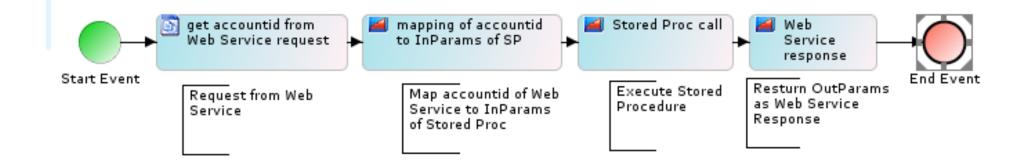






Design: Process Flow

Please refer to the Use Case video describing how to build this process flow





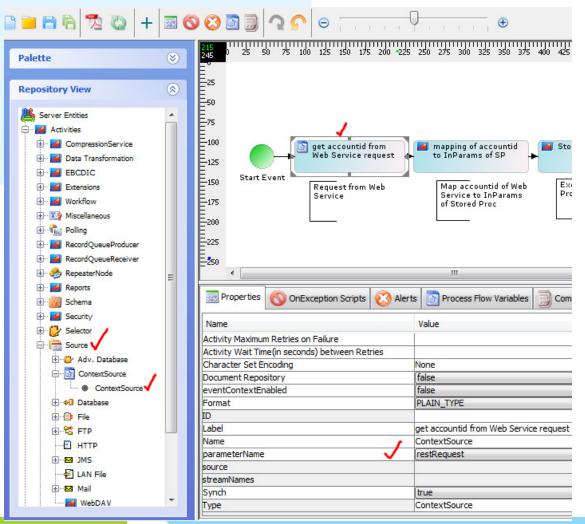
Configure – Stored Procedure Service

Go to Develop > Services > Miscellaneous > Stored Procedure

| Delete 🕂 Create New | Quick Sea | ırch | | | | |
|---|------------------|---|------------------|----------|---------------------|--|
| Name | [| Description | Project Name | Modified | | |
| SPAccount | | itored proc to get account profile | UseCase_StoredPr | 01/02/14 | | |
| | Name* | SPAccount | | : | × | |
| | Description* | Stored proc to get account prof | ile | | | |
| | Database Info* | FinancialsDB_sqlserver 🗸 | | | | |
| Stored Procedure Name* dbo.accountprofile | | | | | Brov | |
| Stored Proc | edure Parameters | | | | | |
| | In Params | @accountid varchar | | | | |
| | Out Params | @accountname varchar ,@fundtype varchar ,@balance int ,@fundname varchar ,@year varchar ,@allocation int | | | | |
| | InOut Params | | | | | |

Configure – Process Flow – Context Source

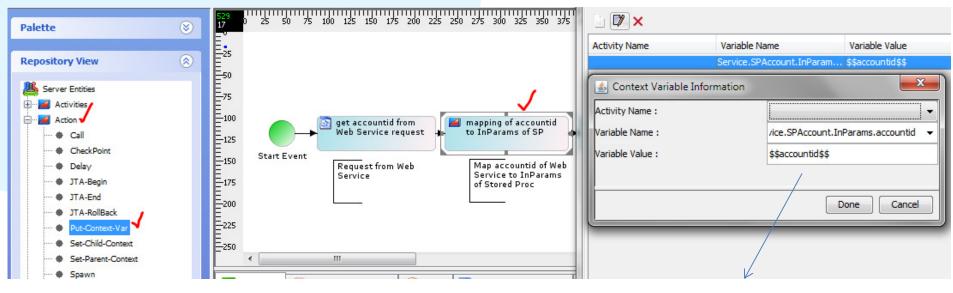
Context Source – Provide paramaterName as 'restRequest'

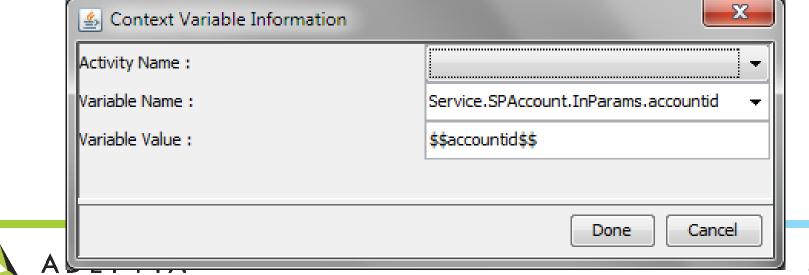




Configure – Process Flow – Put-Context Var

Repository View > Actions > Put-Context Var

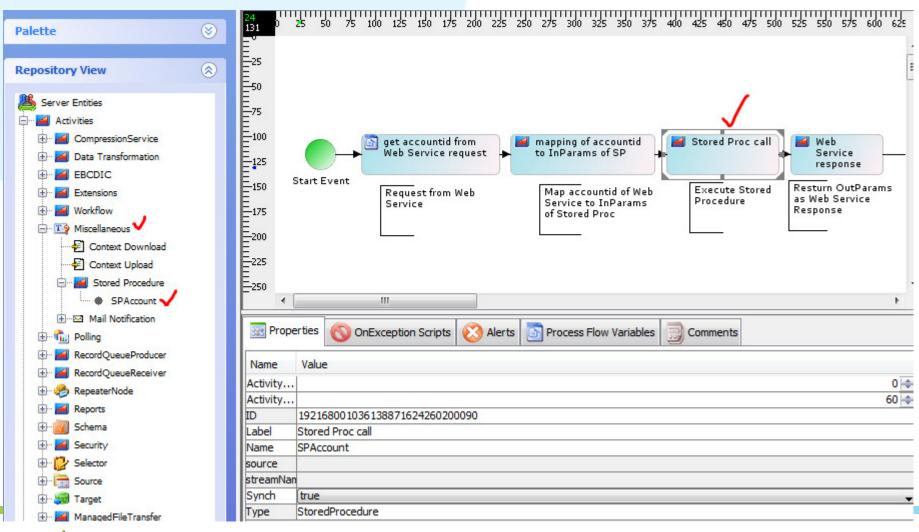




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Configure – Process Flow – Stored Procedure

Repository View > Miscellaneous > Stored Procedure





Configure – Process Flow – Put-Context Var

Repository View > Actions > Put-Context Var

| Palette | - | Edit Context Variables | | | 500 525 550 575 600 625 650 |
|---|---|-------------------------------------|-------------------------------|---|-----------------------------|
| Server Entities Activities Action Call CheckPoint Delay JTA-Begin | 25 50 75 100 125 150 175 200 225 250 | Activity Name | Variable Name restResponse | Variable Value { "accountname": "\$\$Service | Service |
| JTA-End JTA-RollBack Put-Context-Var Set-Child-Context Set-Parent-Context | -200 -225 -250 | Variable Name : Variable Value : | - | estResponse "allocation": "\$\$Service.SPAccount.OutPara Done Cancel | |
| Spawn Synch | 🔢 Prop | | | | |

"accountname":"\$\$Service.SPAccount.OutParams.accountname\$\$",
"fundtype":"\$\$Service.SPAccount.OutParams.fundtype\$\$",
"balance":"\$\$Service.SPAccount.OutParams.balance\$\$",
"year":"\$\$Service.SPAccount.OutParams.year\$\$",
"allocation":"\$\$Service.SPAccount.OutParams.allocation\$\$"



Deploy – Publish as RESTful Web Service

| Services > Web Services > Provider 🗸 | | | | | | | | | | | |
|--|----------------------------------|-----------------|--------------|--------|--|-----------|------------|-------------|--------------|------------|--------|
| Synchroniz | e 💼 Delete 🕂 Create | New | | | | | | | Quick Search | | |
| Name | | Description | | Own | er | Style | WSDL | | Project Name | Modified > | |
| accoun | t 🗸 | account profile | | dem | ou | REST | View | | UseCase_Stor | 01/02/ | |
| Name | account | | Method T | ype* | Get | • | ~ | | | | |
| Description | account profile | | | | # | N | Name | Def | ault Value | Style | |
| | | | | | 1 | accountid | √ | na | | Query | ~ |
| Character Set Encoding | aracter Set Encoding* ISO-8859-1 | | | | 2 | | | | (| Query | ~ |
| Publish Type 🔘 SOAP 💿 REST | | | Method Param | | 3 | | | | | Query | ~ |
| | | | | | 4 | | | | (| Query | \sim |
| Resource End Path | Path* /profile | | | | No. of Rows 1 at Position 5 Add Row Remove Row | | | | ve Row | | |
| Process Flow Name* UseCase_SP_Account_Call | | | | | Туре | Med | lia Type | Status Code | Variable I | Name | |
| | # Name | Value | Presenta | tion | RESP | ONSE | applica | ation/text | : | restRespo | nse |
| | 1 | | | F | FAULT applicat | | ation/text | : | restFault | | |
| | 2 | | / | / | | | | | | | |
| Resource Parameter | 3 | | Query 🗸 | | | | | | | | |
| | 4 | | Query | \sim | | | | | | | |
| No. of Rows 1 at Position 5 Add Row Remove Row | | | | | | | | | | | |
| | Add Method | | | | | | | | | | |
| Method Parameter | # Method Typ | e | Action | | | | | | | | |
| Method Furdifield | 1 GET | | Edit Delete | | | | | | | | |



Project: View and manage activities for this use case

| Projects | | | | | | | | |
|--|------------------------------------|----------|----------------|--|--|--|--|--|
| List of activities included in project "UseCase_StoredProc_Call" | | | | | | | | |
| 🖣 Back Move 😂 | Quick Search | | | | | | | |
| Name | Description | Owner | Modified | | | | | |
| Database Info (1) | | | | | | | | |
| FinancialsDB_sqlserver | database connection | demouser | 01/02/14 20:29 | | | | | |
| Process Flow (1) | | | | | | | | |
| UseCase_SP_Account_Call | call SP and get account profile | demouser | 01/02/14 20:54 | | | | | |
| Stored Procedure (1) | | | | | | | | |
| SPAccount | Stored proc to get account profile | demouser | 01/02/14 20:30 | | | | | |
| Web Service Provider (1) | | | | | | | | |
| account | account profile | demouser | 01/02/14 20:36 | | | | | |
| | | | | | | | | |



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

Thank You!

