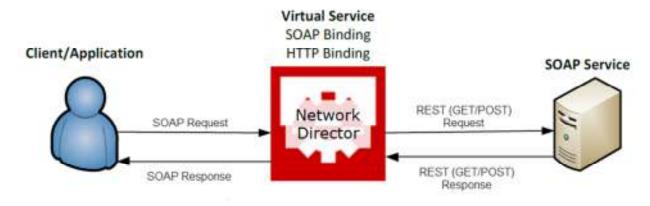


## **Configuring SOAP to REST in Policy Manager 6.0**

The checklist below provides a summary of steps required to configure mediation in the Network Director between SOAP and REST as shown in the diagram below.

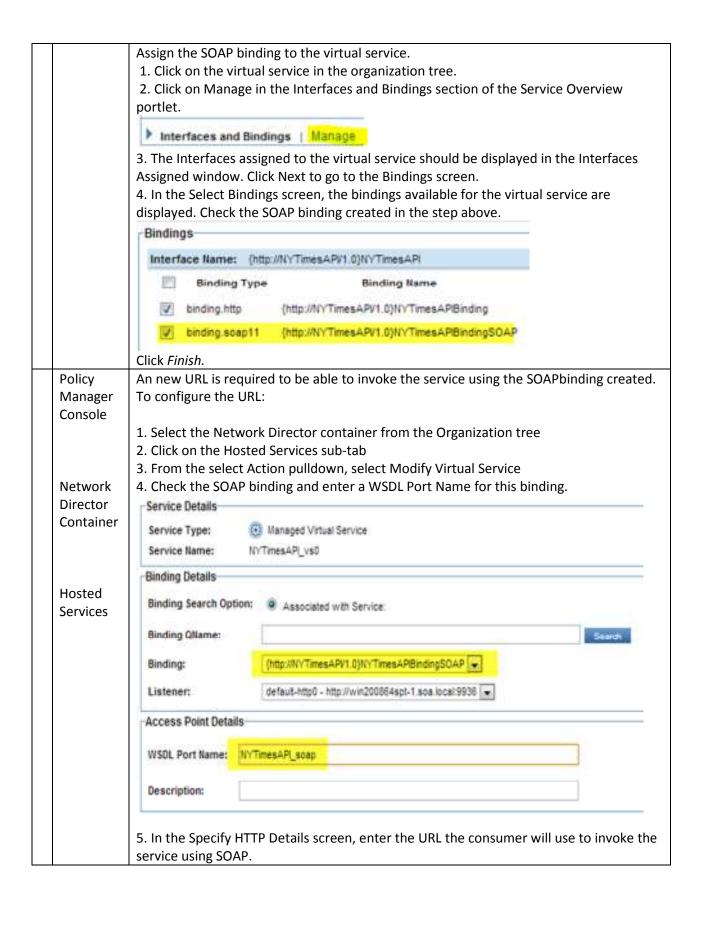


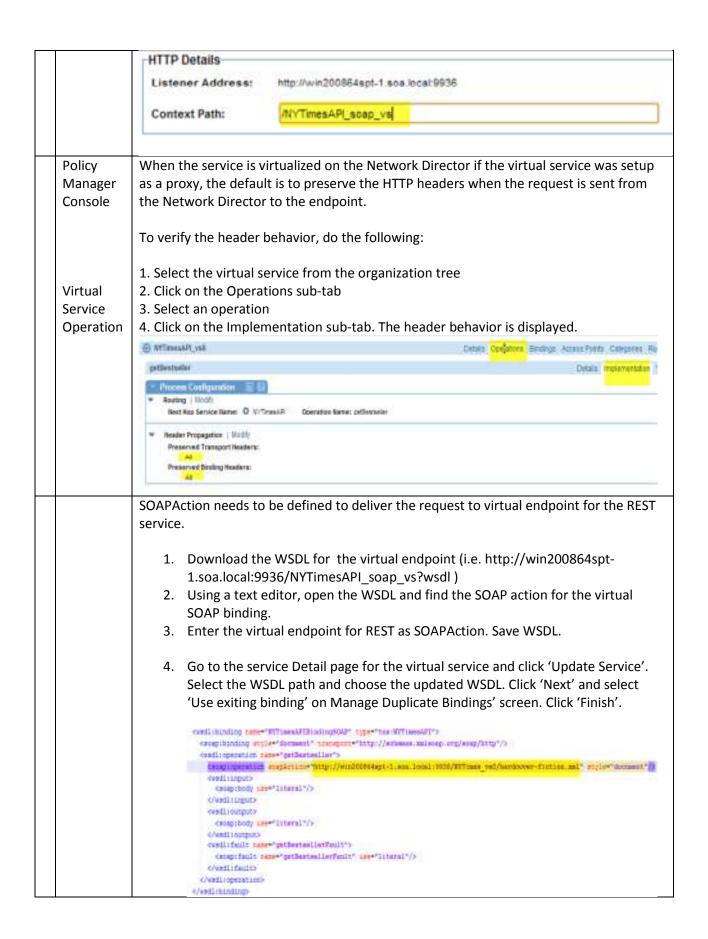
The Component column in the matrix below lists the SOA component where the task must be performed.

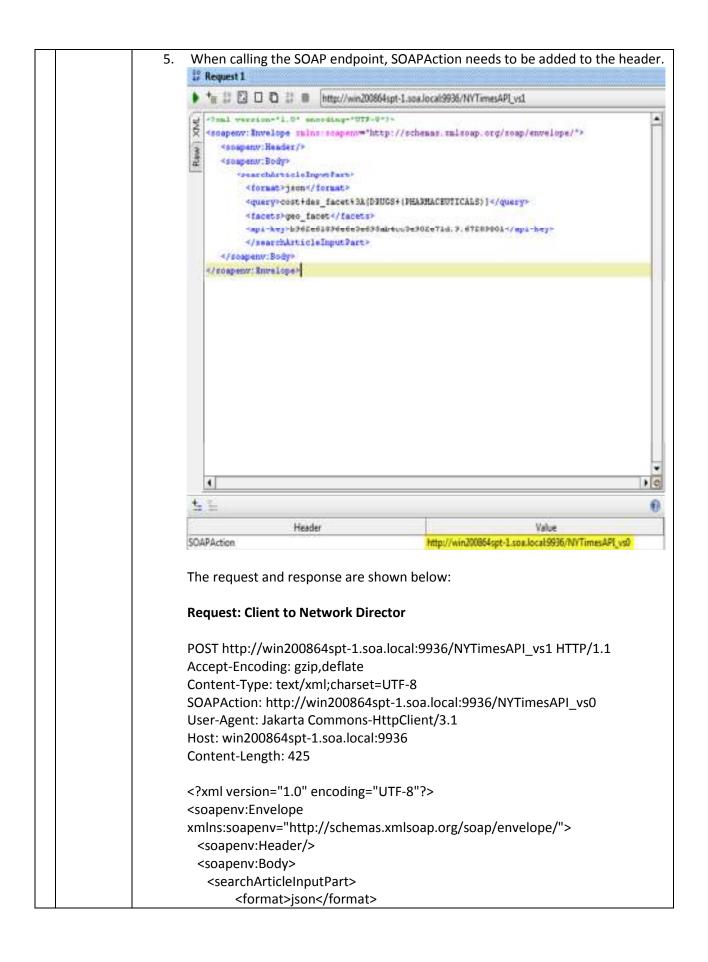
#	Compone	Description / Task
	nt	
1	Policy	1. From the Workbench Tab.
	Manager	2. Select the Organization where you want to register the physical service.
	Console	3. From the Actions Portlet, select the option Create Physical Service.
		4. On the Select Service Creation Option screen, select 'Create service from schema'.
		5. On the Specify Physical Service Properties screen, enter the following when the WSDL
		is read into the Policy Manager:
	Create	a. Name: This is the physical service name, this can be any name used to identify
	Physical	the service
	REST	b. Service Key: If left blank, the Policy Manager will generate a unique key. Leave
	Service	blank.
		c. Qname: (Namespace URI) this is a Namespace URI for the service, in most cases
		this will be the service namespace URI. If this field is not filled in you can enter a namespace for the service (i.e http://myservice.com)
		d. Qname: (Localpart) this is the service name read from the WSDL, for example myRESTService.
		e. Binding Type: Leave the default option (HTTP) selected.

f. Provider Organization: Verify the organization where the physical service will be registered.. 6. Click Next to go to the Select Service Management Option screen and select 'Use Existing Schemas' option. Click Next. 7. On 'Specify Operations' screen, click 'Add Operation' for each RESTful operation. For example: 'getSearch' will define an operation that will use 'GET' method and has a unique context path. After adding all operation names click 'Next'. 8. On 'Specify Operations Details' screen define the schema elements and types that will be populated for each operations defined on the previous screen. Typical usecase will be assigning 'Types'->'anyType' for 'Input', 'Output', and 'Fault'. 9. On 'Configure HTTP Binding Properties' screen, Define the method (GET / POST / PUT / DELETE), URI Syntax (i.e. /getSearch?query1={query1}&query2={query2}), and each of the 'Content Type'. You can choose to define specific content type or select 'any (\*/\*)' if you are not sure of the content type. Click 'Next'. 10. On 'Select Service Management Option', select 'Manage through a Virtual Service' Virtualize and uncheck 'Act as a proxy service'. Click 'Next'. **Physical** 11. Enter the virtual service properties and verify the correct Virtual Service Provider Service Organization is selected. Click Next. 12. Select the Network Director container or Network Director cluster on which the virtual service will be hosted. 13. Enter the Port Name and the Context path for the virtual service. The port name can be any name that describes the virtual service. This will be used in the WSDL for the virtual service. The context path is combined with the Listener URL defined for the Network Director to create the URL the consumer uses to invoke the virtual service. 14. After the virtual service has been registered, go back to 'Access Points' tab for the physical service and add the access point for the physical service. 15. After adding the physical endpoint, verify the virtual service is functioning correctly by sending a request through it (Note: A contract is required to send the request to the virtual service). Policy An SOAP binding must be added to the physical service to support SOAP to REST Manager mediation. Console 1. Click on the Configure Tab -> Registry sub-tab -> Bindings sub-tab. 2. From the Bindings sub-tab, click on 'Add Binding'. Adding 3. Search for the physical service interface and make sure that is displayed in the **HTTP** Interfaces: window. binding to Search Interfaces the Interface Offame: NYT physical Enter any part of the "Interface QName" including "Namespace" and/or "Localpart" and crick service "Search." Interface Oftemes that match your search criteria will display in the "Results" section. interface Result for Interfaces: {http://fv/TimesAPV1.0}Nv/TimesAPI RESTful service 4. On the Specify Binding Details screen: Enter a name for the binding in the LocalPart support (i.e. myServiceBindingSOAP). Verify the Binding Type is Soap 1.1 Click Next to go to the

Configure Binding Properties screen. Click 'Finish' to accept the default values.







<query>cost+des\_facet%3A[DRUGS+(PHARMACEUTICALS)] <facets>geo\_facet</facets> <api-key>b962e61896e6e3e695ab4cc3e902e71d:9:67289801</apikey> </searchArticleInputPart> </soapenv:Body> </soapenv:Envelope> **Response: Physical Service to Network Director** HTTP/1.1 200 OK X-Mashery-Responder: mashery-web1-atl.mashery.com Server: nginx/1.0.10 Date: Tue, 12 Feb 2013 18:27:56 GMT Content-Type: text/xml;charset=UTF-8 Connection: keep-alive X-Original-Transfer-Encoding: chunked Accept-Ranges: bytes Content-Length: 127 Content-Encoding: gzip Transfer-Encoding: chunked <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Header/><s oap:Body><getArticleOutputPart xmlns="http://www.w3.org/2001/XMLSchema"><facets/><offs et>0</offset><results/><tokens><element>cost</element><element>des facet%3A[DRUGS ( PHARMACEUTICALS)]</element></tokens><total>0</total></getArticleOutputPart></soap:Bo dy></soap:Envelope>