

# Messaging Binding Usage Scenarios for Policy Manager

**SOA** | software™



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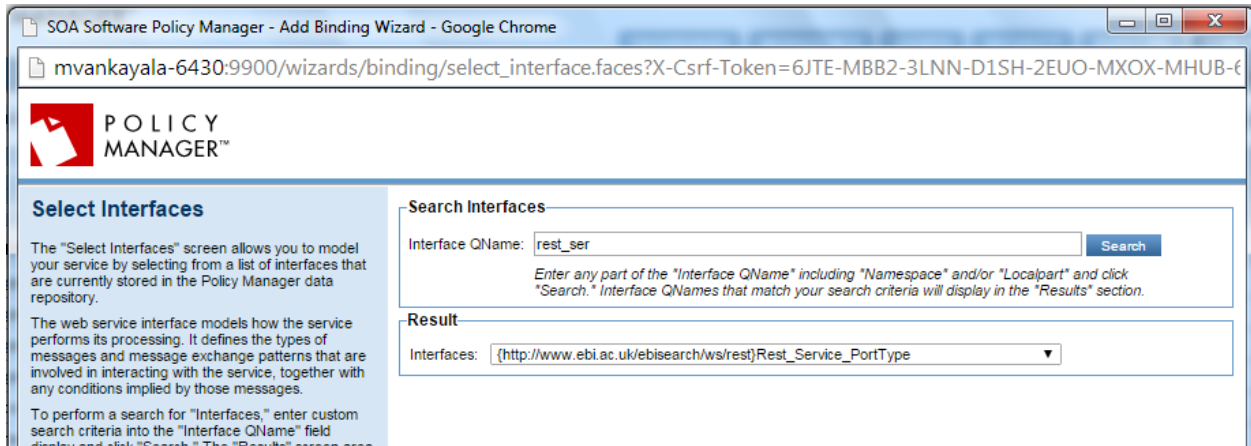
## Chapter 1 | Introduction

This document describes how to perform the following tasks in SOA Software Policy Manager.

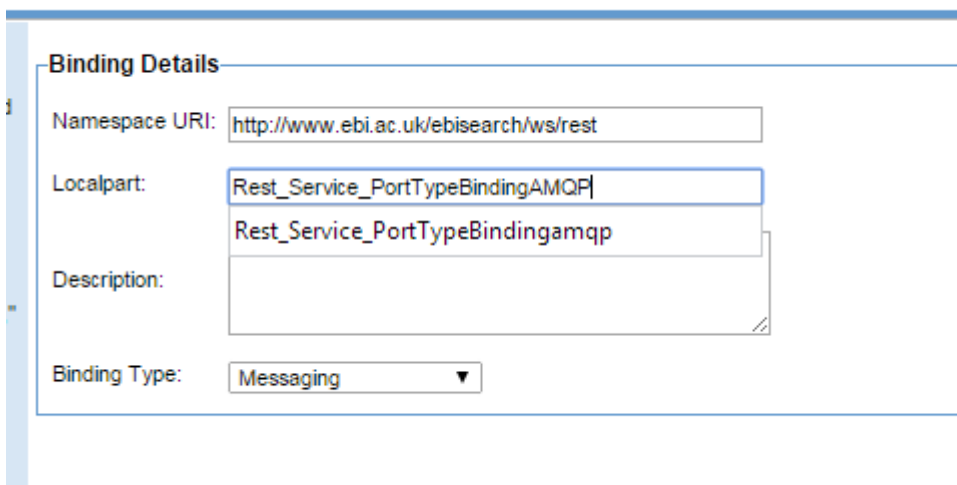
- Create AMQP binding for services of any type (REST, Messaging, SOAP).
- Create a virtual service that provides a messaging (AMQP or JMS) interface to one or more existing services of any type (REST, Messaging, SOAP).
- Create a virtual service that provides a RESTful interface for placing messages onto, and pulling messages from a JMS or AMQP queue.

## Chapter 2 | Add Messaging Binding (AMQP or JMS)

- 1 Launch the *Policy Manager Management Console*.
- 2 Select **Create Physical Service**, create a physical service with [http://www.ebi.ac.uk/ebisearch/ws/rest?\\_wadl](http://www.ebi.ac.uk/ebisearch/ws/rest?_wadl)
- 3 Navigate to *Configure > Registry > Bindings* and select **Add Binding**.
- 4 Select the service added in Step 2.



- 5 On the next screen, select the Messaging Binding type.



- 6 In next screen, select AMQP as the Transport protocol.
- 7 Provide Destination and Reply To fields with desired I/O/Fault Serializations.
- 8 Select Part type in *Parts* section. This sections is used to assign Path parameters, Query parameters, Body parameters (e.g., <http://agubba-e6420:9901/VS/{domainid}/entry/{entryids}?fields=<fields>&fieldurl=<fieldurl>&viewurl=<viewurl>&format=<format>>) is the URL to hit. In that case, the Binding screen configuration should be something like

Operation: GET \_\_\_\_domainid\_\_entry\_\_entryids\_

Destination Type:

Destination Name:

Input Content Type:

Output Content Type:

Fault Content Type:

Reply To:

Parts

Part	Name	Type	Value
fieldurl	fieldurl	<input type="text" value="Property ▼"/>	true
entryids	entryids	<input type="text" value="Property ▼"/>	WAP_RAT,WAP_MOUSE
viewurl	viewurl	<input type="text" value="Property ▼"/>	true
domainid	domainid	<input type="text" value="Property ▼"/>	uniprot
format	format	<input type="text" value="Property ▼"/>	json
fields	fields	<input type="text" value="Property ▼"/>	descAltName,organism_scientific_name

So that the request will hit, [http://agubba-e6420:9901/VS/uniprot/entry/WAP\\_RAT,WAP\\_MOUSE?fields=descAltName,organism\\_scientific\\_name&fieldurl=true&viewurl=true&format=json](http://agubba-e6420:9901/VS/uniprot/entry/WAP_RAT,WAP_MOUSE?fields=descAltName,organism_scientific_name&fieldurl=true&viewurl=true&format=json)

- 9 Provide an XPath or SQL query for Use selector option (e.g., Operation='get').
- 10 After adding the required fields, finish the process.
- 11 Similarly, select JMS in Transport field, if it is desired to have a Messaging Binding over JMS protocol

## Chapter 3 | Add AMQP listener

- 1 Select the *Containers* folder where you will be adding the AMQP listener, and select **Add Listener**.
- 2 Select the AMQP Listener type.
- 3 Add an AMQP listener with details as shown below.

**Configure AMQP Container Listener**

The "Configure AMQP Container Listener" screen allows you to configure an AMQP listener for the current Policy Manager Container. The screen is organized as follows:

**Listener Details:**

- Listener Name - Specify an instance name for the listener.
- Description - Specify a description of the listener.

**AMQP Details:**

- Virtual Host Name - This option allows you to specify the virtual host name of the AMQP broker.
- Port - Displays the default port 5672 used for AMQP connections.

**Authentication Required:**

If the AMQP binding will be used to authenticate an AMQP registry where AMQP destinations or targets are located, or to authenticate the AMQP system itself, authentication may be required. To enable authentication, select the checkbox and specify the username and password credentials.

**Connection Properties:**

Connection properties are user-defined additional properties that allow you to specify the messaging engine that an application will connect to. Only "String" type message properties are supported. Connection Properties are configured by entering a "Property Name" and "Property Value". You can enter unlimited connection properties. Entering a Connection Property is optional.

Configure the listener properties based on your requirements. After you have completed your

**Listener Details**

Listener Name:

Description:

**AMQP Details**

Virtual Host Name:

Port:

☐ Authentication Required

Identity Source: ☒ Local Domain ☐ External

Username:

Confirm Password:

**Connection Properties**

Name	Value	Action
jms.read.timeout	10000	Remove

[Add Property](#)

[Help](#) [Back](#) [Next](#) [Finish](#) [Cancel](#)

## Chapter 4 | Add JMS listener

- 1 Select the *Containers* folder and Network Director (**ND1**) container where you will be adding the JMS listener, and select **Add Listener**.
- 2 Select the JMS listener type.
- 3 Add the JMS listener with details as shown below.

SOA Software Policy Manager - Add Container Listener - Google Chrome

agubba-e6420:9900/faces/container/add\_container\_listener\_select\_category.faces

**POLICY MANAGER™**

### Configure JMS Container Listener

The "Configure JMS Container Listener" screen allows you to configure a JMS listener for the current Policy Manager Container. The screen is organized as follows.

**Listener Details:**

Listener Name - Specify an instance name for the listener.

Description - Specify a description of the listener.

**Connection Details:**

JNDI URL--A text box that allows you to enter the URL where the Java Naming and Directory Interface (JNDI) server can be accessed.

JNDI Initial--Context A text box that allows you to enter the starting point for resolution of names for naming and directory operations.

JMS Destination Factory Name--A text box that allows you to enter a topic name or queue with a physical resource for the Java Message Service (JMS) Destination Factory.

**Connection Properties:**

Connection properties are user-defined additional properties that allow you to specify the messaging engine that an application will connect to. Only "String" type message properties are supported. Connection Properties are configured by entering a "Property Name" and "Property Value". You can enter unlimited connection properties. Entering a Connection Property is optional.

**Thread Pool:**

The "Thread Pool Details" section is used to manage the thread configuration for the estimated

**Listener Details**

Listener Name: JMS

Description:

**Connection Details**

JNDI URL: tcp://agubba-e6420.soa.local:61616

JNDI Initial Context: org.apache.activemq.jndi.ActiveMQInitialContextFactory

JMS Destination Factory Name: ConnectionFactory

**Connection Properties**

Add Property

**Thread Pool**

Minimum: 5

Maximum: 500

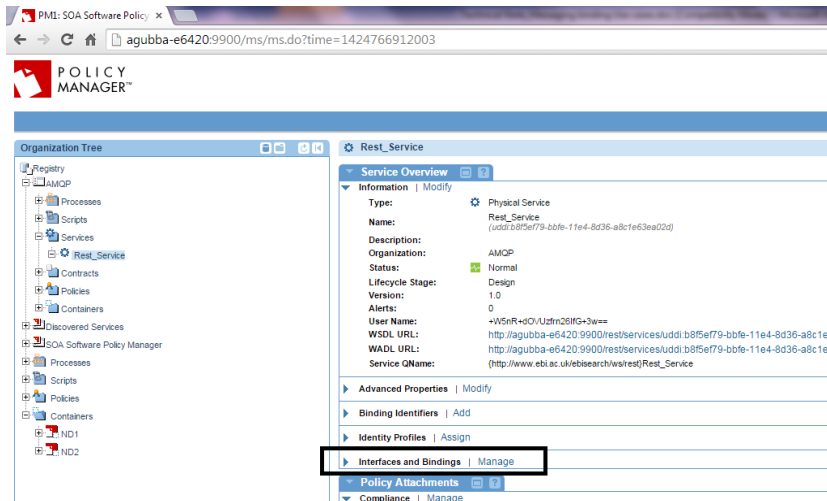
Idle Thread Timeout (mls): 180000

Help < Back Next Finish Cancel

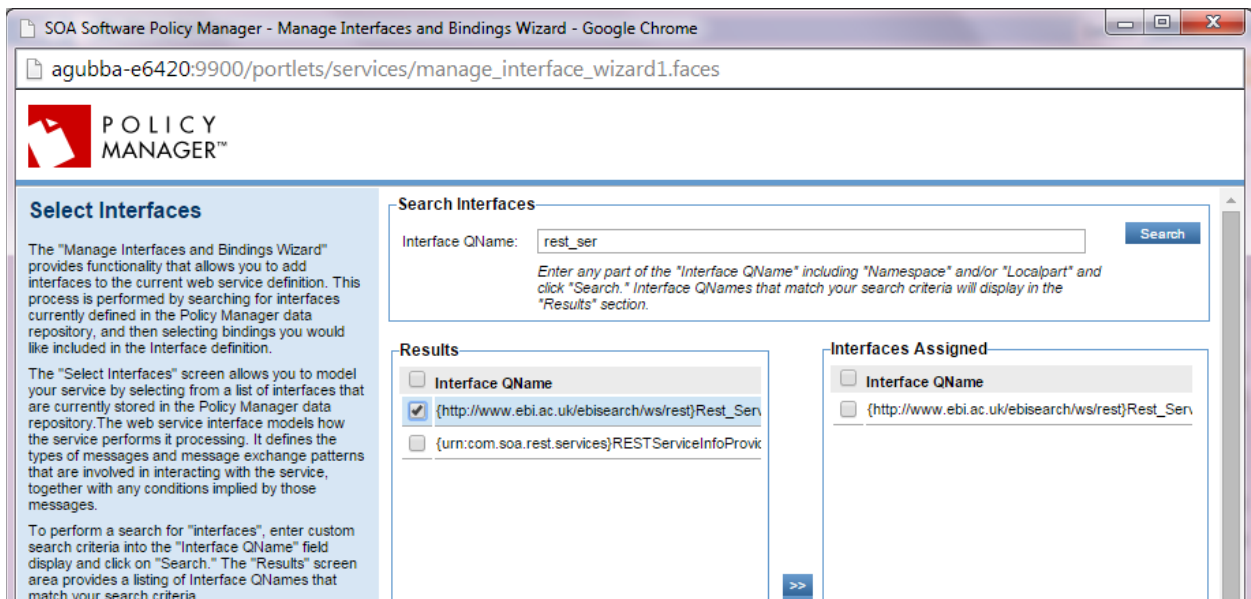


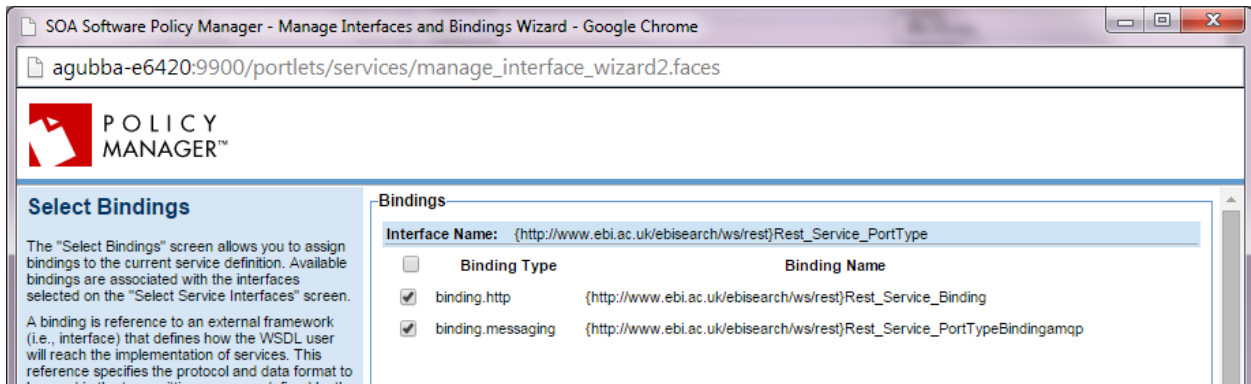
## Chapter 5 | Assign Messaging Binding to Service

- 1 Select the Services folder for the Physical Service. In the *Service Overview* section select **Manage** in the *Interfaces and Bindings* section.

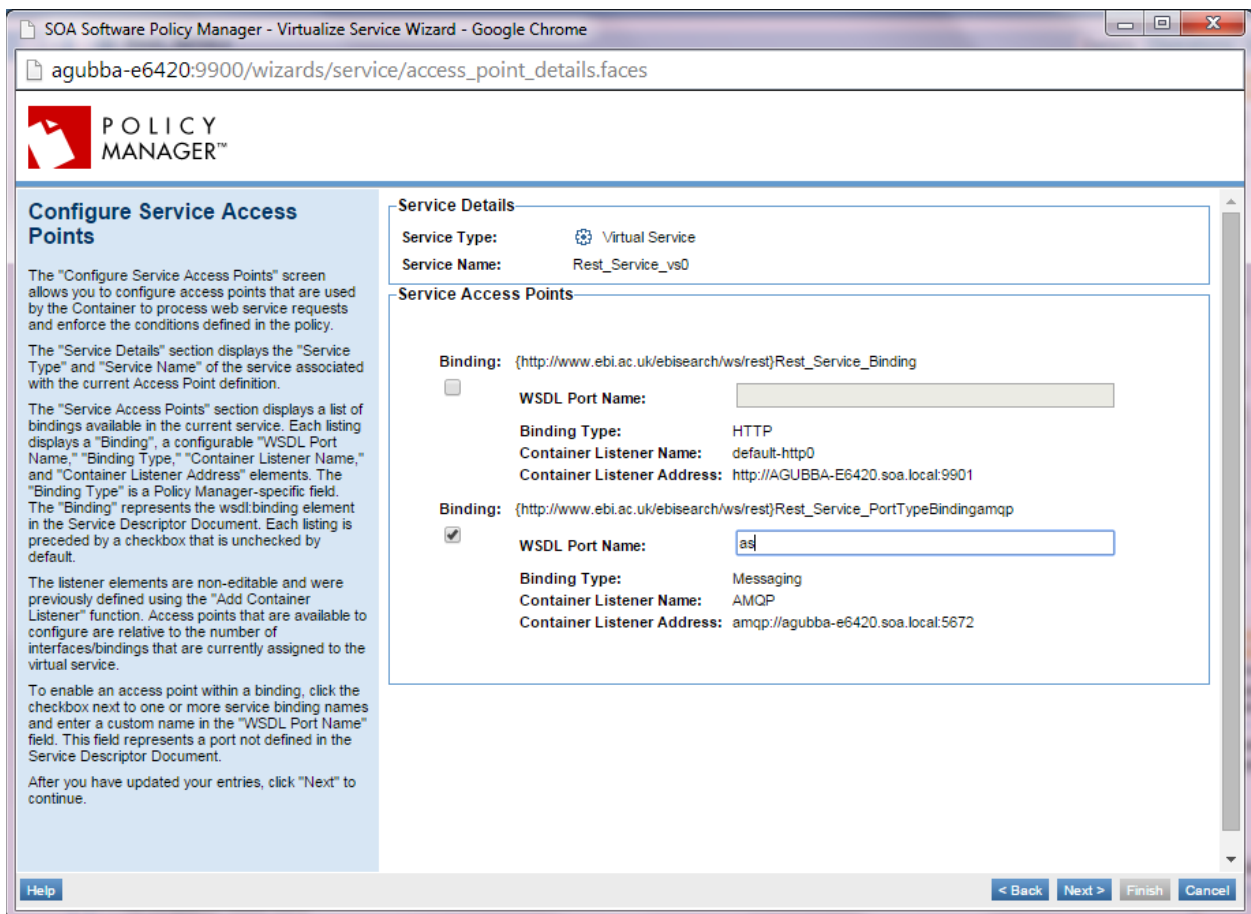


- 2 On the *Select Interfaces* screen, select the Messaging Binding and assign it to the service (i.e., copy to the Interfaces Assigned panel), and complete the wizard.





- 3 Select **Virtualize Service** and virtualize the physical service on the AMQP/JMS listener on Network Director (**ND1**), and assign a service name (e.g., **VS1**).



- 4 The virtual service should be hosted on the **ND1** where we have previously added the AMQP/JMS listeners.

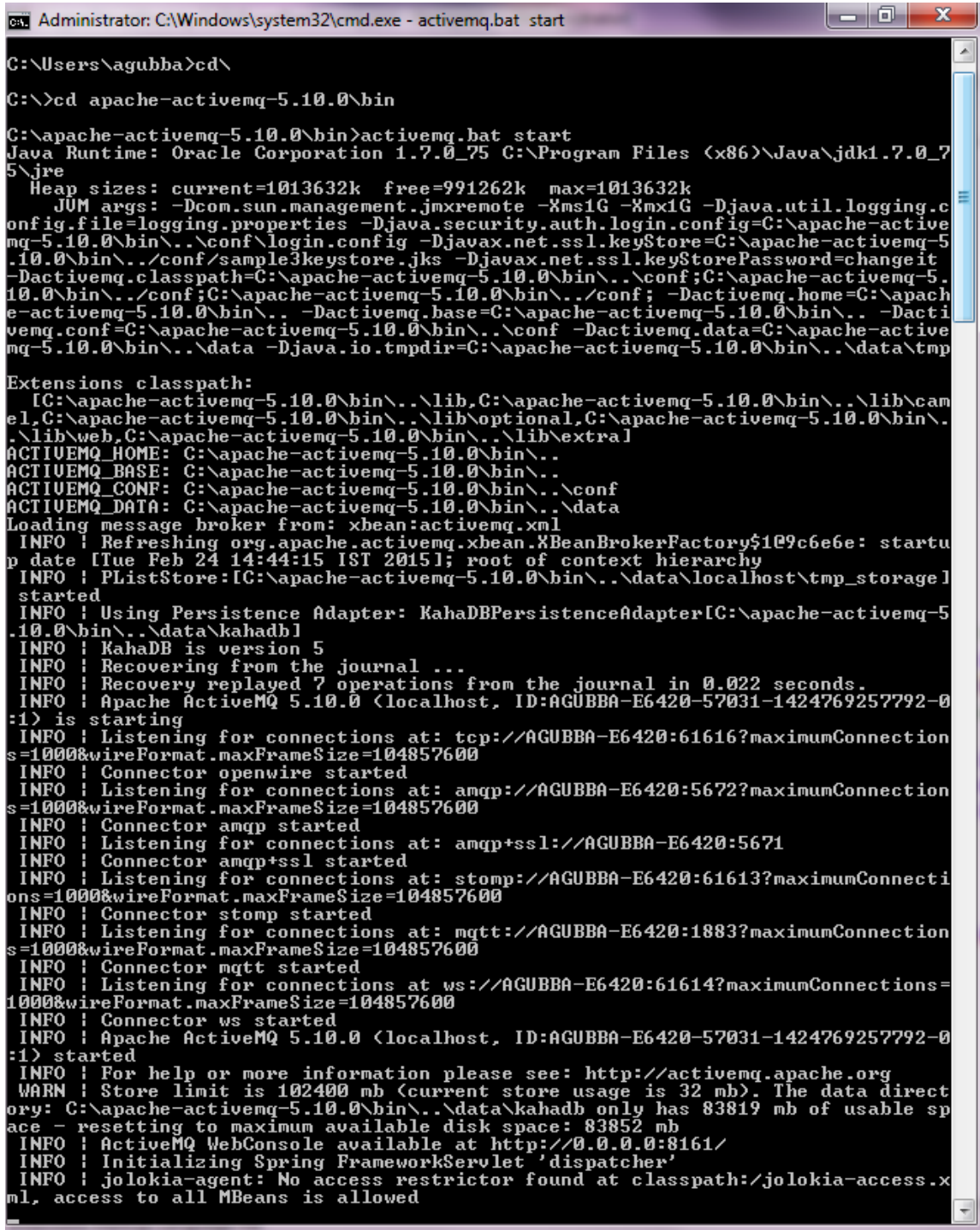
The screenshot displays the SOA Policy Manager web application. The browser's address bar shows the URL `agubba-e6420:9900/ms/ms.do?time=1424766912003`. The page header includes the "POLICY MANAGER" logo and a navigation bar with tabs for DASHBOARD, WORKBENCH, ALERTS, and SECURITY. The WORKBENCH tab is active, showing a "Browse | Search" bar. On the left, the "Organization Tree" lists the hierarchy: Registry > AMQP > Processes > Scripts > Services > Rest\_Service > Rest\_Service\_vs0. The main content area displays the configuration for "Rest\_Service\_vs0" with tabs for Details, Operations, Bindings, and Access Points. The "Details" tab is selected, showing a table with the following data:

URL	Binding Type	Interface Name	Action
<code>amqp://agubba-e6420.soa.local:5672</code>	Messaging	Rest_Service_PortType	Actic

At the bottom of the table, there is a pagination control showing "Page 1 of 1".

## Chapter 6 | Send Requests to API Using ActiveMQ

- 1 Network Directory (**ND1**) must be connected to an AMQP broker such as apache-activemq-5.10.0.
- 2 Run ActiveMQ.



```

Administrator: C:\Windows\system32\cmd.exe - activemq.bat start

C:\Users\agubba>cd\

C:\>cd apache-activemq-5.10.0\bin

C:\apache-activemq-5.10.0\bin>activemq.bat start
Java Runtime: Oracle Corporation 1.7.0_75 C:\Program Files (x86)\Java\jdk1.7.0_75\jre
Heap sizes: current=1013632k free=991262k max=1013632k
JVM args: -Dcom.sun.management.jmxremote -Xms1G -Xmx1G -Djava.util.logging.config.file=logging.properties -Djava.security.auth.login.config=C:\apache-activemq-5.10.0\bin\..\conf\login.config -Djavax.net.ssl.keyStore=C:\apache-activemq-5.10.0\bin\..\conf/sample3keystore.jks -Djavax.net.ssl.keyStorePassword=changeit -Dactivemq.classpath=C:\apache-activemq-5.10.0\bin\..\conf;C:\apache-activemq-5.10.0\bin\..\conf;C:\apache-activemq-5.10.0\bin\..\conf; -Dactivemq.home=C:\apache-activemq-5.10.0\bin\..\data -Dactivemq.base=C:\apache-activemq-5.10.0\bin\..\data -Dactivemq.conf=C:\apache-activemq-5.10.0\bin\..\conf -Dactivemq.data=C:\apache-activemq-5.10.0\bin\..\data -Djava.io.tmpdir=C:\apache-activemq-5.10.0\bin\..\data\temp

Extensions classpath:
[C:\apache-activemq-5.10.0\bin\..\lib;C:\apache-activemq-5.10.0\bin\..\lib\camel;C:\apache-activemq-5.10.0\bin\..\lib\optional;C:\apache-activemq-5.10.0\bin\..\lib\web;C:\apache-activemq-5.10.0\bin\..\lib\extra]
ACTIVEMQ_HOME: C:\apache-activemq-5.10.0\bin\..
ACTIVEMQ_BASE: C:\apache-activemq-5.10.0\bin\..
ACTIVEMQ_CONF: C:\apache-activemq-5.10.0\bin\..\conf
ACTIVEMQ_DATA: C:\apache-activemq-5.10.0\bin\..\data
Loading message broker from: xbean:activemq.xml
INFO : Refreshing org.apache.activemq.xbean.XBeanBrokerFactory$1@9c6e6e: startup date [Tue Feb 24 14:44:15 IST 2015]; root of context hierarchy
INFO : PLISTore[C:\apache-activemq-5.10.0\bin\..\data\localhost\tmp_storage] started
INFO : Using Persistence Adapter: KahaDBPersistenceAdapter[C:\apache-activemq-5.10.0\bin\..\data\kahadb]
INFO : KahaDB is version 5
INFO : Recovering from the journal ...
INFO : Recovery replayed 7 operations from the journal in 0.022 seconds.
INFO : Apache ActiveMQ 5.10.0 (localhost, ID:AGUBBA-E6420-57031-1424769257792-0:1) is starting
INFO : Listening for connections at: tcp://AGUBBA-E6420:6161?maximumConnections=1000&wireFormat.maxFrameSize=104857600
INFO : Connector openwire started
INFO : Listening for connections at: amqp://AGUBBA-E6420:5672?maximumConnections=1000&wireFormat.maxFrameSize=104857600
INFO : Connector amqp started
INFO : Listening for connections at: amqp+ssl://AGUBBA-E6420:5671
INFO : Connector amqp+ssl started
INFO : Listening for connections at: stomp://AGUBBA-E6420:61613?maximumConnections=1000&wireFormat.maxFrameSize=104857600
INFO : Connector stomp started
INFO : Listening for connections at: mqtt://AGUBBA-E6420:1883?maximumConnections=1000&wireFormat.maxFrameSize=104857600
INFO : Connector mqtt started
INFO : Listening for connections at: ws://AGUBBA-E6420:61614?maximumConnections=1000&wireFormat.maxFrameSize=104857600
INFO : Connector ws started
INFO : Apache ActiveMQ 5.10.0 (localhost, ID:AGUBBA-E6420-57031-1424769257792-0:1) started
INFO : For help or more information please see: http://activemq.apache.org
WARN : Store limit is 102400 mb (current store usage is 32 mb). The data directory: C:\apache-activemq-5.10.0\bin\..\data\kahadb only has 83819 mb of usable space - resetting to maximum available disk space: 83852 mb
INFO : ActiveMQ WebConsole available at http://0.0.0.0:8161/
INFO : Initializing Spring FrameworkServlet 'dispatcher'
INFO : jolokia-agent: No access restrictor found at classpath:/jolokia-access.xml, access to all MBeans is allowed
  
```

- 3 Access activeMQ client at 'http://agubba-e6420:8161/admin/'.

- 4 Navigate to the *Queues* tab or *Topics* tab depending on the destination type used during Messaging Binding creation.
- 5 Select the Queue viz., *dynamicQueues/dest5* in this scenario.

Queue Name	0	0	0	0	Active Producers	Send To Purge Delete
dynamicQueue/Rayudu	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueue/Sai	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueue/San	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueue/Ton	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueue/Ton1	1	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueue/vertui	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/01	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest1	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest11	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest13	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest3	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest5	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest6	0	0	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest7	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete
dynamicQueues/dest9	0	2	0	0	Browse Active Consumers Active Producers	Send To Purge Delete

- 6 Click on **SendTo** against the destination name.
- 7 Provide the appropriate Correlation ID, ReplyTo and Message Body and send the request.

→ ↻ ↗ agubba-e6420:8161/admin/send.jsp?JMSDestination=dynamicQueues%2fdest5&JMSDestinationType=queue



[Home](#) | [Queues](#) | [Topics](#) | [Subscribers](#) | [Connections](#) | [Network](#) | [Scheduled](#) | [Send](#)

## Send a JMS Message

### Message Header

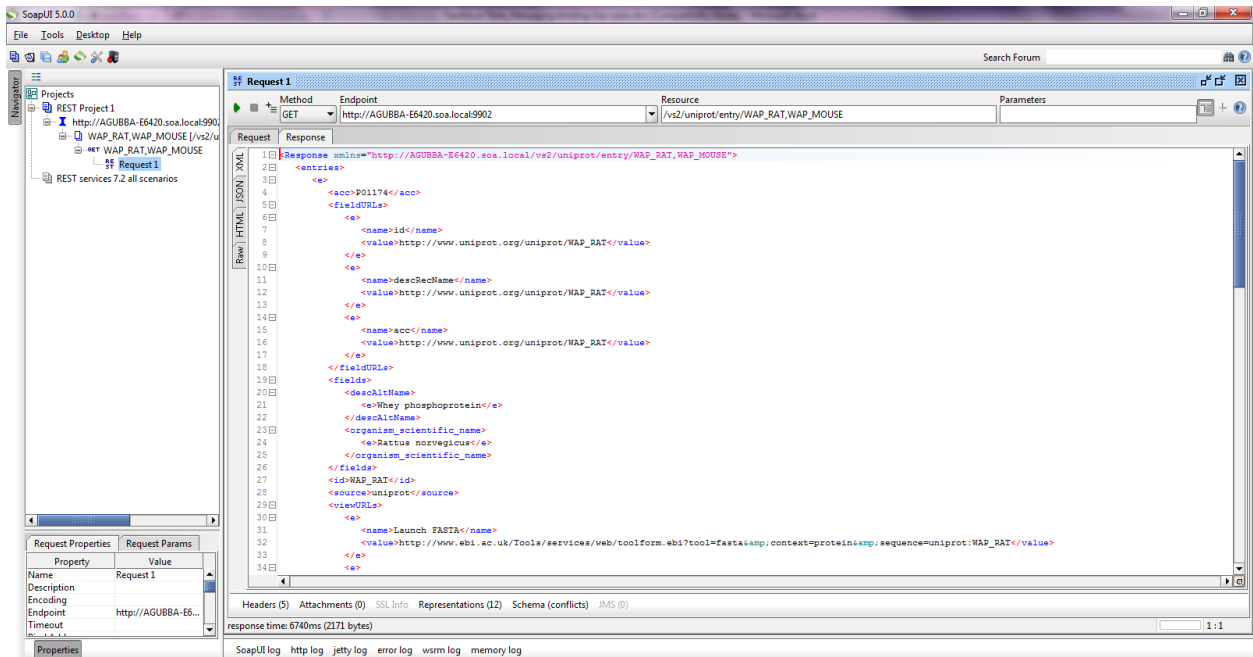
Destination	<input type="text" value="dynamicQueues/dest5"/>	Queue or Topic	<input type="text" value="Queue"/>
Correlation ID	<input type="text" value="akjs"/>	Persistent Delivery	<input type="checkbox"/>
Reply To	<input type="text" value="dynamicQueues/dest5"/>	Priority	<input type="text"/>
Type	<input type="text"/>	Time to live	<input type="text"/>
Message Group	<input type="text"/>	Message Group Sequence Number	<input type="text"/>
delay(ms)	<input type="text"/>	Time(ms) to wait before scheduling again	<input type="text"/>
Number of repeats	<input type="text"/>	Use a CRON string for scheduling	<input type="text"/>
Number of messages to send	<input type="text" value="1"/>	Header to store the counter	<input type="text" value="JMSXMessageCounter"/>

### Message body

Enter some text here for the message body...

## Chapter 7 | Create Virtual Service to Provide RESTful Interface for Placing Messages

- 1 Virtualize the above service on Network Director (ND2) with HTTP binding, and assign a name (e.g., **VS2**).
- 2 Send requests to **VS2**.
- 3 The requests will hit the **VS1** > physical service



And the response is seen.

## Chapter 8 | Logging

- 1 If the *Detailed Auditing* policy is attached to **VS1** and **VS2**, usage logs will be generated.
- 2 **VS2** logs:

The screenshot shows the SOA Software Policy Manager interface. The left pane displays the Organization Tree with the following structure:

- Registry
  - AMQP
    - Processes
      - Scripts
        - Services
          - Rest\_Service
            - Rest\_Service\_vs0
              - Rest\_Service\_vs0\_vs0

The right pane shows the details for **Rest\_Service\_vs0\_vs0**. The top navigation bar includes: DASHBOARD, WORKBENCH, ALERTS, SECURITY, AUDITING, and CONFIG. The main content area has tabs for Details, Operations, Bindings, Access Points, Categories, Rules, and Monitor. The **Logs** tab is selected, showing a table of log entries.

**Time Range Filter:**

Start Date: 02/23/2015 Start Time: 15:29:36 End Date: 02/24/2015 End Time: 15:29:36  
 Period: Last hour

**Content Filter:**

User Id: Consumer Id:  
 Contract Key: Client IP: Operation: All

**Transaction Filter:**

Errors: Transactions (All) Search

Request Date/Time	Operation	Response Time	Contract Name	Errors
02/24/2015 15:11:52.0	GET /(domainid)/entry/(entryids)	6733 ms	asd	None
02/24/2015 15:10:45.0	GET /(domainid)/entry/(entryids)	63234 ms	asd	None
02/24/2015 15:11:48.0	GET /(domainid)/entry/(entryids)	492 ms	asd	None



SOA Software Policy Manager - Usage Data Details - Google Chrome

agubba-e6420:9900/ms/per\_usagedata\_nav\_frameset.jsp?X-Csrf-Token=0xabe784d9&eventId=23&select

Usage Detail | Recorded Messages | Transaction Events

Container:	ND2 (1a06a788-a6b4-4935-b462-22583d78)
Container transaction Unique ID:	5caa4e56-bc09-11e4-8b52-fc7158a1d8cc
Client Host:	10.7.20.76
Request Date/Time:	02/24/2015 15:11:52.0
Response Time:	6733 ms
Bound Request Message Size:	
Bound Response Message Size:	2171 bytes
WSDL Request Message Size:	
WSDL Response Message Size:	
Next Hop URL:	jbi://{http://www.ebi.ac.uk/ebisearch/ws/rest}Rest_Service_vs0/s
Time Taken for Next Hop:	6722 ms
Is Soap Fault by Next Hop:	false
Is Soap Fault by Container:	false
Listener URL:	http://AGUBBA-E6420.soa.local:9902/vs2/uniprot/entry/WAP_RAT,WAP_MOUSE
End-User Identity:	
Consumer Identity:	
Service Key:	uddi:430e3e5c-bc06-11e4-8d36-a8c1e63ea02d
Operation Name:	Rest_Service_vs0_vs0.GET //({domainid})/entry/{entryids}
Contract Name:	asd
Contract Key:	9bdc70fd-bbfe-11e4-8d36-a8c1e63ea02d:1002
Custom Field 1:	
Error Category:	0
Error Message:	
Error Details:	
Verb:	GET
Status Code:	200

Help < > Close


SOA Software Policy Manager - Usage Data Details - Google Chrome

agubba-e6420:9900/ms/per\_usagedata\_nav\_frameset.jsp?X-Csrf-Token=0xabe784d9&eventId=23&select

Usage Detail Recorded Messages Transaction Events

Below is a list of the SOAP messages associated with the Usage record summarized above. Click on any record to see the corresponding message.

Message Date/Time	Record Name	Type
02/24/2015 15:11:52	APPLICATION	Complete request
02/24/2015 15:11:59	APPLICATION	Complete response

Message Details Raw Format (Includes HTTP Headers): ☐ ☒ 

EMPTY MESSAGE

Help < > Close

SOA Software Policy Manager - Usage Data Details - Google Chrome

agubba-e6420:9900/ms/per\_usagedata\_nav\_frameset.jsp?X-Csrf-Token=0xabe784d9&eventId=23&select

Usage Detail Recorded Messages Transaction Events

Below is a list of the SOAP messages associated with the Usage record summarized above. Click on any record to see the corresponding message.

Message Date/Time	Record Name	Type
02/24/2015 15:11:52	APPLICATION	Complete request
02/24/2015 15:11:59	APPLICATION	Complete response

Message Details Raw Format (Includes HTTP Headers): ☐ ☒

```
{
  "entries": [
    {
      "acc": "P01174",
      "id": "WAP_RAT",
      "source": "uniprot",
      "fields": {
        "descAltName": "Whey phosphoprotein",
        "organism_scientific_name": "Rattus norvegicus"
      },
      "fieldURLs": {
        "name": "id",
        "value": "http://www.uniprot.org/uniprot/WAP_RAT"
      },
      "name": "descRecName",
      "value": "http://www.uniprot.org/uniprot/WAP_RAT",
      "name": "acc",
      "value": "http://www.uniprot.org/uniprot/WAP_RAT",
      "viewURLs": {
        "name": "Launch FASTA",
        "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=fasta&context=protein&sequence=uniprot:WAP_RAT",
        "name": "Launch NCBI BLAST",
        "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=ncbiblast&context=protein&sequence=uniprot:WAP_RAT",
        "name": "Launch InterProScan",
        "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=iprscan5&sequence=uniprot:WAP_RAT",
        "name": "in Interpro Matches",
        "value": "http://www.ebi.ac.uk/interpro/protein/P01174",
        "name": "in UniSave",
        "value": "http://www.ebi.ac.uk/uniprot/unisave/app/#/search/P01174",
        "name": "in UniProt format",
        "value": "http://www.ebi.ac.uk/Tools/dbfetch/dbfetch?db=uniprot&id=WAP_RAT&style=raw"
      }
    },
    {
      "acc": "P01173",
      "id": "WAP_MOUSE",
      "source": "uniprot",
      "fields": {
        "descAltName": "",
        "organism_scientific_name": "Mus musculus"
      },
      "fieldURLs": {
        "name": "id",
        "value": "http://www.uniprot.org/uniprot/WAP_MOUSE",
        "name": "acc",
        "value": "http://www.uniprot.org/uniprot/WAP_MOUSE",
        "viewURLs": {
        "name": "in UniSave",
        "value": "http://www.ebi.ac.uk/uniprot/unisave/app/#/search/P01173",
        "name": "Launch NCBI BLAST",
        "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=ncbiblast&context=protein&sequence=uniprot:WAP_MOUSE",
        "name": "in UniProt format",
        "value": "http://www.ebi.ac.uk/Tools/dbfetch/dbfetch?db=uniprot&id=WAP_MOUSE&style=raw",
        "name": "Launch FASTA",
        "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=fasta&context=protein&sequence=uniprot:WAP_MOUSE",
        "name": "in Interpro Matches",
        "value": "http://www.ebi.ac.uk/interpro/protein/P01173",
        "name": "Launch InterProScan",
        "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=iprscan5&sequence=uniprot:WAP_MOUSE"
        }
      }
    }
  ]
}
```

Help < > Close

### 3 VS1 logs:

agubba-e6420:9900/ms.do?time=1424766912003

(You are logged in as Local Domain\ from Asia/Calcutta (timezone) Logout My Profile

POLICY MANAGER™

DASHBOARD WORKBENCH ALERTS SECURITY AUDITING CONFIGURE

Browse Search

Organization Tree

- Registry
  - AMQP
    - Processes
      - Scripts
        - Services
          - Rest\_Service
            - Rest\_Service\_v0
              - Rest\_Service\_v0\_v0
                - Contracts
                  - Policies
                    - Containers
                      - Discovered Services
                        - SOA Software Policy Manager
                          - Processes
                            - Scripts

Rest\_Service\_v0

Details Operations Bindings Access Points Categories Rules Monitor

Alerts Logs Real-Time Charts Historical Charts Dependencies

Time Range Filter

Start Date: 02/23/2015 Start Time: 15:29:58 End Date: 02/24/2015 End Time: 15:29:58

Period: Last hour

Content Filter

User Id: Consumer Id:

Contract Key:

Client IP: Operation: All

Transaction Filter

Errors: Transactions (All) Search

| Request Date/Time     | Operation                          | Response Time | Contract Name | Errors |
|-----------------------|------------------------------------|---------------|---------------|--------|
| 02/24/2015 15:11:58.0 | GET /{(domainid)/entry/(entryids)} | 255 ms        | asd           | None   |
| 02/24/2015 15:11:48.0 | GET /{(domainid)/entry/(entryids)} | 387 ms        | asd           | None   |
| 02/24/2015 15:11:48.0 | GET /{(domainid)/entry/(entryids)} | 349 ms        | asd           | None   |

SOA Software Policy Manager - Usage Data Details - Google Chrome

agubba-e6420:9900/ms/per\_usagedata\_nav\_frameset.jsp?X-Csrf-Token=0xabe784d9&eventId=22&select

Usage Detail | Recorded Messages | Transaction Events

|                                  |   |
|----------------------------------|---|
| Container:                       | ND1 (92a63ef9-8a92-4761-a738-146a44ed)  |
| Container transaction Unique ID: | 60921014-bc09-11e4-b842-bcf303086e87  |
| Client Host:                     | org.apache.qpid.amqp_1_0.jms.impl.QueueImpl@38f748e5  |
| Request Date/Time:               | 02/24/2015 15:11:58.0   |
| Response Time:                   | 255 ms  |
| Bound Request Message Size:      |   |
| Bound Response Message Size:     | 2171 bytes  |
| WSDL Request Message Size:       |   |
| WSDL Response Message Size:      |   |
| Next Hop URL:                    | http://www.ebi.ac.uk/ebisearch/ws/rest/uniprot/entry/WAP_RAT,WAP_MOUSE?fieldurl=true&viewurl=true&format=json&fields=descAltName%2Corganism_scientific_name |
| Time Taken for Next Hop:         | 167 ms  |
| Is Soap Fault by Next Hop:       | false   |
| Is Soap Fault by Container:      | false   |
| Listener URL:                    | jbi://{http://www.ebi.ac.uk/ebisearch/ws/rest}Rest_Service_vs0/s  |
| End-User Identity:               |   |
| Consumer Identity:               |   |
| Service Key:                     | uddi:d9adb8f-bc04-11e4-8d36-a8c1e63ea02d  |
| Operation Name:                  | Rest_Service_vs0.GET //{domainid}/entry/{entryids}  |
| Contract Name:                   | asd   |
| Contract Key:                    | 9bdc70fd-bbfe-11e4-8d36-a8c1e63ea02d:1002   |
| Custom Field 1:                  |   |
| Error Category:                  | 0   |
| Error Message:                   |   |
| Error Details:                   |   |
| Status Code:                     | 200   |

Help < > Close


SOA Software Policy Manager - Usage Data Details - Google Chrome

agubba-e6420:9900/ms/per\_usagedata\_nav\_frameset.jsp?X-Csrf-Token=0xabe784d9&eventId=22&select

Usage Detail Recorded Messages Transaction Events

Below is a list of the SOAP messages associated with the Usage record summarized above. Click on any record to see the corresponding message.

| Message Date/Time   | Record Name | Type              |
|---------------------|-------------|-------------------|
| 02/24/2015 15:11:58 | APPLICATION | Complete request  |
| 02/24/2015 15:11:59 | APPLICATION | Complete response |

Message Details Raw Format (Includes HTTP Headers): ☐ ☒ 

EMPTY MESSAGE

Help < > Close

SOA Software Policy Manager - Usage Data Details - Google Chrome

agubba-e6420:9900/ms/per\_usagedata\_nav\_frameset.jsp?X-Csrf-Token=0xabe784d9&eventId=22&select

Usage Detail Recorded Messages Transaction Events

Below is a list of the SOAP messages associated with the Usage record summarized above. Click on any record to see the corresponding message.

| Message Date/Time   | Record Name | Type              |
|---------------------|-------------|-------------------|
| 02/24/2015 15:11:58 | APPLICATION | Complete request  |
| 02/24/2015 15:11:59 | APPLICATION | Complete response |

Message Details Raw Format (Includes HTTP Headers): ☐ ☒

```
{
  "entries": [
    {
      "acc": "P01174",
      "id": "WAP_RAT",
      "source": "uniprot",
      "fields": {
        "descAltName": ["Whey phosphoprotein"],
        "organism_scientific_name": ["Rattus norvegicus"],
        "fieldURLs": [
          {
            "name": "id",
            "value": "http://www.uniprot.org/uniprot/WAP_RAT"
          },
          {
            "name": "descRecName",
            "value": "http://www.uniprot.org/uniprot/WAP_RAT"
          },
          {
            "name": "acc",
            "value": "http://www.uniprot.org/uniprot/WAP_RAT"
          }
        ],
        "viewURLs": [
          {
            "name": "Launch FASTA",
            "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=fasta&context=protein&sequence=uniprot:WAP_RAT"
          },
          {
            "name": "Launch NCBI BLAST",
            "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=ncbiblast&context=protein&sequence=uniprot:WAP_RAT"
          },
          {
            "name": "Launch InterProScan",
            "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=iprscan5&sequence=uniprot:WAP_RAT"
          },
          {
            "name": "in Interpro Matches",
            "value": "http://www.ebi.ac.uk/interpro/protein/P01174"
          },
          {
            "name": "in UniSave",
            "value": "http://www.ebi.ac.uk/uniprot/unisave/app/#/search/P01174"
          },
          {
            "name": "in UniProt format",
            "value": "http://www.ebi.ac.uk/Tools/dbfetch/dbfetch?db=uniprot&id=WAP_RAT&style=raw"
          }
        ]
      },
      "acc": "P01173",
      "id": "WAP_MOUSE",
      "source": "uniprot",
      "fields": {
        "descAltName": [],
        "organism_scientific_name": ["Mus musculus"],
        "fieldURLs": [
          {
            "name": "id",
            "value": "http://www.uniprot.org/uniprot/WAP_MOUSE"
          },
          {
            "name": "acc",
            "value": "http://www.uniprot.org/uniprot/WAP_MOUSE"
          }
        ],
        "viewURLs": [
          {
            "name": "in UniSave",
            "value": "http://www.ebi.ac.uk/uniprot/unisave/app/#/search/P01173"
          },
          {
            "name": "Launch NCBI BLAST",
            "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=ncbiblast&context=protein&sequence=uniprot:WAP_MOUSE"
          },
          {
            "name": "in UniProt format",
            "value": "http://www.ebi.ac.uk/Tools/dbfetch/dbfetch?db=uniprot&id=WAP_MOUSE&style=raw"
          },
          {
            "name": "Launch FASTA",
            "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=fasta&context=protein&sequence=uniprot:WAP_MOUSE"
          },
          {
            "name": "in Interpro Matches",
            "value": "http://www.ebi.ac.uk/interpro/protein/P01173"
          },
          {
            "name": "Launch InterProScan",
            "value": "http://www.ebi.ac.uk/Tools/services/web/toolform.ebi?tool=iprscan5&sequence=uniprot:WAP_MOUSE"
          }
        ]
      }
    }
  ]
}
```

Help < > Close