

Schema Validation Policy Usage Scenarios

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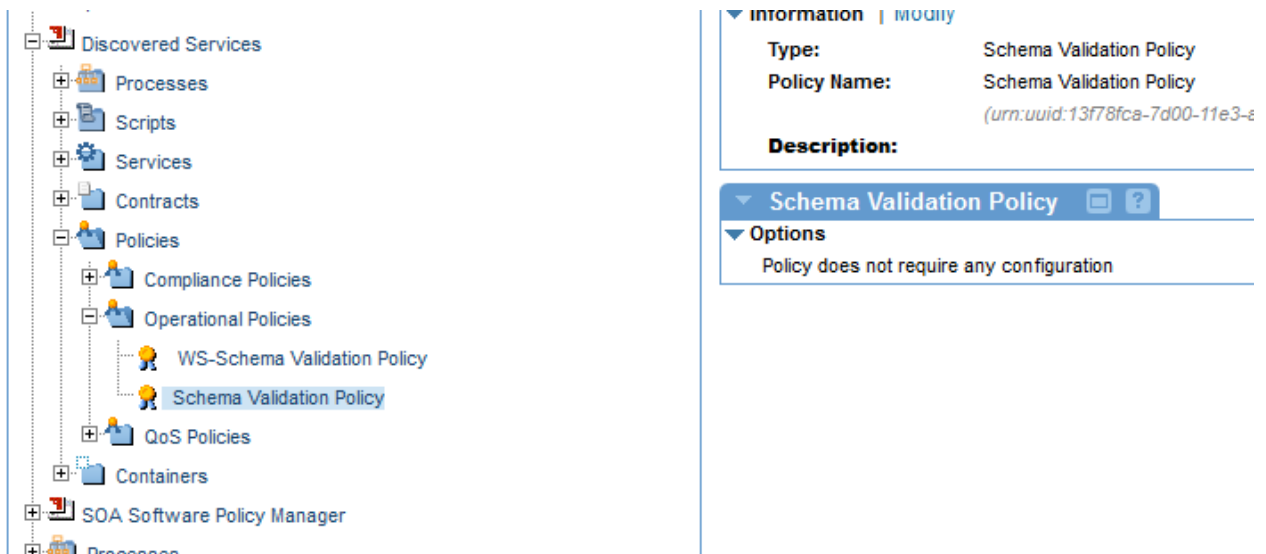
 Scenario 2: Request with Invalid Data Type 8

Schema Validation Policy Usage Scenarios

This document provides a list of Schema Validation Policy usage scenarios.

Scenario 1: Request with Valid Data Type

- 1 Create a physical service.
- 2 Virtualize and host it on Network Director (Example service name: **Vs1**).
- 3 Configure a Schema Validation Policy.



The screenshot displays the SOA Software Policy Manager interface. On the left, a tree view shows the hierarchy: Discovered Services > Policies > Operational Policies > Schema Validation Policy. The 'Schema Validation Policy' is selected and highlighted. On the right, the 'Information' tab is active, showing the following details:

- Type:** Schema Validation Policy
- Policy Name:** Schema Validation Policy
(urn:uuid:13f78fca-7d00-11e3-8...
- Description:**

Below the information, there is a section for 'Schema Validation Policy' with an 'Options' tab. The 'Options' tab shows the message: 'Policy does not require any configuration'.

- 4 Attach the **Detailed Auditing** and **Schema Validation** policies to **Vs1** service.

- 5 Send valid request from REST client. Request will be processed successfully.

The screenshot displays a REST client interface with two main sections: 'Request' and 'Response'.

Request Section:

- Method:** POST
- URL:** http://RGRANDHI-E6420.soa.local:6900/JAX1/addAccount
- Headers:** Content-Type: application/xml
- Body:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Account xmlns="http://soa.com/jaxrs/account/1.0">
<ID>1111</ID>
<FirstName>Bill</FirstName>
```

Response Section:

- Response Headers:** Status Code: 200 OK, Content-Type: application/xml, Date: Tue, 14 Jan 2014 10:01:32 GMT, Server: Jetty(7.6.10.v20130312), Transfer-Encoding: chunked

Content in Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Account xmlns="http://soa.com/jaxrs/account/1.0">
<ID>1111</ID>
<FirstName>Bill</FirstName>
<LastName>Gates</LastName>
</Account>
```

SOAP Request:

SOA Software Policy Manager - Usage Data Details - Mozilla Firefox

localhost:9900/ms/per_usagedata_nav_frameset.jsp?eventId=323&selectedRow=0&serviceKey=uddi:27ba321f-7d01-11e1-8082-000000000000

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
01/14/2014 15:31:32	APPLICATION	Complete request
01/14/2014 15:31:32	APPLICATION	Complete response

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

POST /JAX1/addAccount HTTP/1.1
 Host: rgrandhi-e6420.soa.local:6900
 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
 Content-Length: 186
 Content-Type: application/xml; charset=UTF-8
 Accept-Language: null
 Pragma: no-cache
 Connection: keep-alive
 User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:26.0) Gecko/20100101 Firefox/26.0
 Cache-Control: no-cache
 Accept-Encoding: gzip, deflate

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Account xmlns="http://soa.com/jaxrs/account/1.0">
  <ID>1111</ID>
  <FirstName>Bill</FirstName>
  <LastName>Gates</LastName>
</Account>
```

Snipping Tool

Drag the cursor around the area you want to capture.

Help < > Close

Response Message:

SOA Software Policy Manager - Usage Data Details - Mozilla Firefox

localhost:9900/ms/per_usagedata_nav_frameset.jsp?eventId=323&selectedRow=0&serviceKey=uddi:27ba321f-7d01-11e1-8082-000000000000

Usage Detail Recorded Messages Transaction Events

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Message Date/Time	Record Name	Type
01/14/2014 15:31:32	APPLICATION	Complete request
01/14/2014 15:31:32	APPLICATION	Complete response

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

HTTP/1.1 200 OK
 Server: Apache-Coyote/1.1
 Content-Type: application/xml
 Content-Length: 181
 Date: Tue, 14 Jan 2014 10:01:32 GMT

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Account xmlns="http://soa.com/jaxrs/account/1.0"><ID>1111</ID><FirstName>Bill</FirstName><LastName>Gates</LastName></Account>
```

Help < > Close

Scenario 2: Request with Invalid Data Type

- 1 Create a physical service.
- 2 Virtualize and host it on Network Director (Example service name: **Vs1**).
- 3 Configure a Schema Validation Policy.

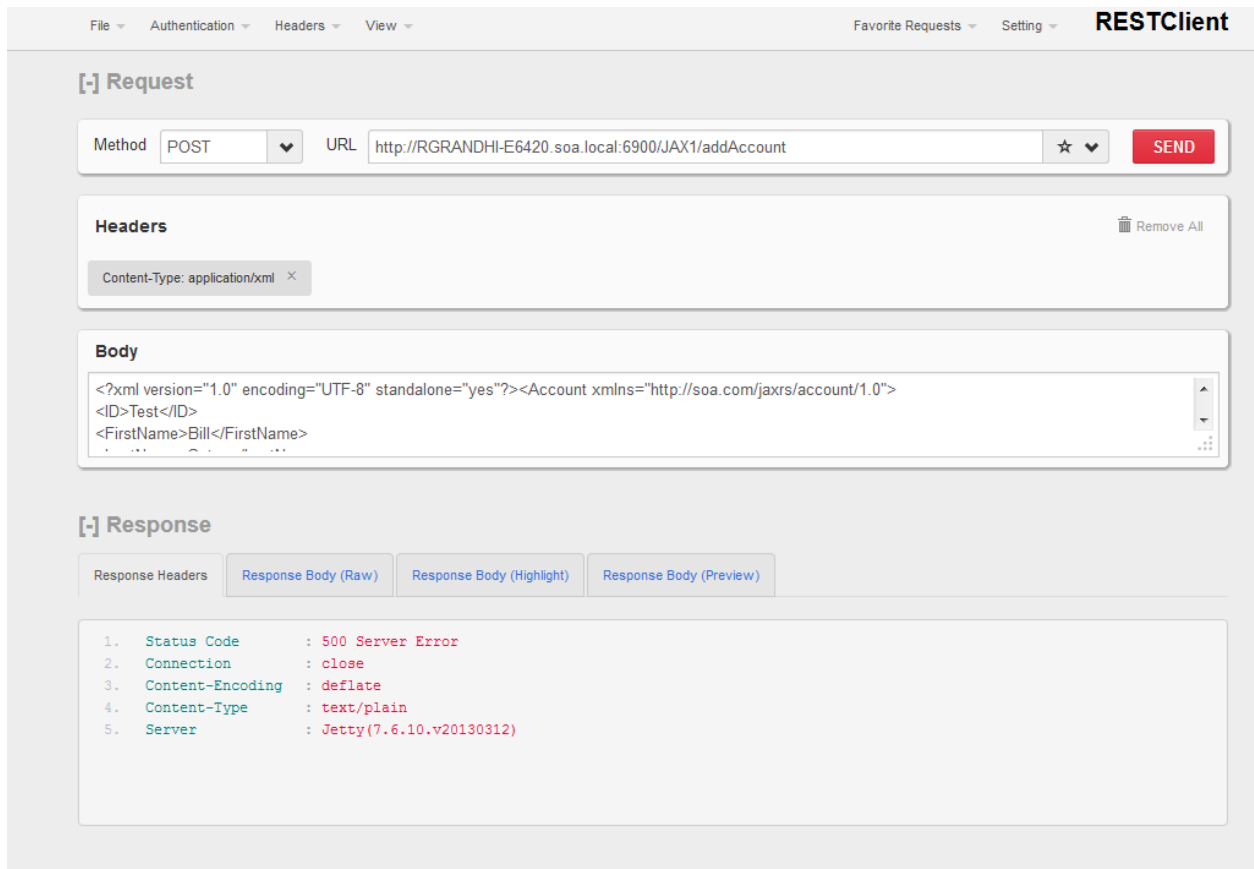
The screenshot displays the SOA Software Policy Manager interface. On the left, a tree view shows the hierarchy: Discovered Services, Processes, Scripts, Services, Contracts, Policies, Compliance Policies, Operational Policies, QoS Policies, Containers, and SOA Software Policy Manager. Under Operational Policies, the 'Schema Validation Policy' is selected. On the right, the 'Information' tab is active, showing the following details:

- Type:** Schema Validation Policy
- Policy Name:** Schema Validation Policy (urn:uuid:13f78fca-7d00-11e3-8...)
- Description:**

Below the information, the 'Schema Validation Policy' is expanded, showing the 'Options' section with the text: 'Policy does not require any configuration'.

- 4 Attach the **Detailed Auditing** and **Schema Validation** policies to **Vs1** service

- 5 Send valid request from REST client. Request will fail with a valid error message.



Content in Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Account xmlns="http://soa.com/jaxrs/account/1.0">
<ID>Test</ID> --- Invalid data type
<FirstName>Bill</FirstName>
<LastName>Gates</LastName>
</Account>
```

SOAP Request:

SOA Software Policy Manager - Usage Data Details - Mozilla Firefox

localhost:9900/ms/per_usagedata_nav_frameset.jsp?eventId=324&selectedRow=0&serviceKey=uddi:27ba321f-7d01-11e3-... ☆

Usage Detail Recorded Messages Transaction Events

Container transaction Unique ID: 8d8dc888-7d03-11e3-bc8e-b6591a874312

Client Host:

Request Date/Time: 01/14/2014 15:36:36.450

Response Time: 29 ms

Bound Request Message Size: 186 bytes

Bound Response Message Size: 166 bytes

WSDL Request Message Size:

WSDL Response Message Size:

Next Hop URL:

Time Taken for Next Hop: 0 ms

Is Soap Fault by Next Hop: false

Is Soap Fault by Container: true

Listener URL: http://rgrandhi-e6420.soa.local:6900/JAX1/addAccount

End-User Identity:

Consumer Identity:

Service Key: uddi:27ba321f-7d01-11e3-a40c-8ebf7d0f6e8f

Operation Name: JAXRS_Sample_vs0.AddAccount

Contract Name:

Contract Key:

Custom Field 1:

Error Category: 0

Error Message: Error in validating the request [org.xml.sax.SAXParseException; lineNumber: 2; columnNumber: 14; cvc-datatype-valid.1.2.1: 'Test' is not a valid value for 'integer'.]

Error Details:

Verb: POST

Status Code: 500

Help < > Close

SOA Software Policy Manager - Usage Data Details - Mozilla Firefox

localhost:9900/ms/per_usagedata_nav_frameset.jsp?eventId=324&selectedRow=0&serviceKey=uddi:27ba321f-7d01-11e1-8082-000000000000

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
01/14/2014 15:36:36	APPLICATION	Complete request
01/14/2014 15:36:36	APPLICATION	Complete fault

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

```

POST /JAX1/addAccount HTTP/1.1
Host: rgrandhi-e6420.soa.local:6900
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Content-Length: 186
Content-Type: application/xml; charset=UTF-8
Accept-Language: null
Pragma: no-cache
Connection: keep-alive
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:26.0) Gecko/20100101 Firefox/26.0
Cache-Control: no-cache
Accept-Encoding: gzip, deflate

<?xml version="1.0" encoding="UTF-8" standalone="yes"?><Account xmlns="http://soa.com/jaxrs/account/1.0">
<ID>1</ID>
<FirstName>Bill</FirstName>
<LastName>Gates</LastName>
</Account>

```

Help < > Close

Response Message:

SOA Software Policy Manager - Usage Data Details - Mozilla Firefox

localhost:9900/ms/per_usagedata_nav_frameset.jsp?eventId=324&selectedRow=0&serviceKey=uddi:27ba321f-7d01-11e5...

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
01/14/2014 15:36:36	APPLICATION	Complete request
01/14/2014 15:36:36	APPLICATION	Complete fault

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

Content-Encoding: deflate

Error in validating the request [org.xml.sax.SAXParseException; lineNumber: 2; columnNumber: 14; cvc-datatype-valid.1.2.1: 'Test' is not a valid value for 'integer'.]

Snipping Tool

Drag the cursor around the area you want to capture.

Help < > Close