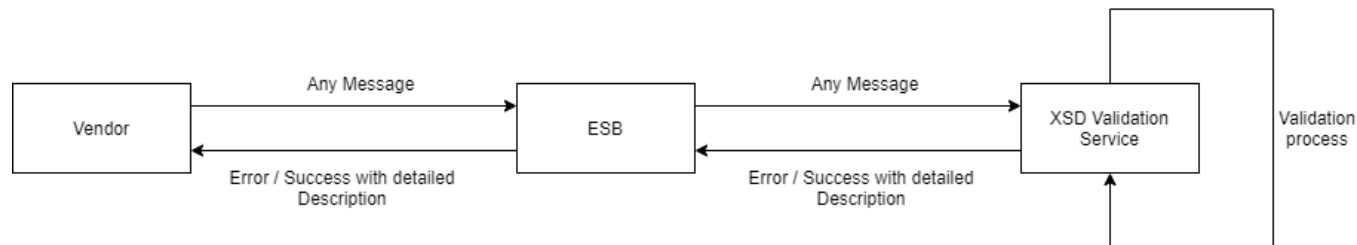


# protel.I/O - XSD Message Validation Service (MVS)

- Purpose
- Instructions
  - Setup
  - Usage
  - Validation results
    - Case 1: Integration partner sent a message that has the wrong structure
    - Case 2: Integration partner sent a message that has the correct structure
    - Reporting the results

## Purpose

The XSD Message Validation service (MVS) checks incoming messages and validates if these messages are in line with our API standard formally.



The XML schema validation of inbound OTA/IO/HTNG message is a part of the certification.

Please validate all of your inbound messages (3rd party protel) with that tool before starting the testing with your Protel integration specialist.

## Instructions

### Setup

To connect MVS to the integration partner service both have to installed into a test hotel in ESB environment (see [Bob - Help](#)).

The MVS manifest is available under name:

```
io.protel.message_validation
```

or io.protel.xsd\_validation

## Usage

For each OTA/IO/HTNG request message you have sent to protel.I/O you will receive asynchronous OTA/IO/HTNG result message.

This pattern follows the usual way of asynchronous messaging done through ESB (see [Exchanging Data](#)).

## Validation results

The result (RS) messages you receive resemble the expected OTA/IO/HTNG message but will not hold information from the operational use case.

### Case 1: Integration partner sent a message that has the wrong structure

All found validation problems with the message structure come back in <Error> elements with description of the issue as well as a position.

```
<?xml version='1.0' encoding='utf-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope" xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsa="http://www.w3.org/2005/08/addressing" xmlns:htng="http://htng.org/PWSWG/2007/02/AsyncHeaders">
  <soapenv:Header xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope">
    <htng:CorrelationID>TEST_Val_135-1</htng:CorrelationID>
    <wsa:To>https://webhook.site/64b0a35d-e9c3-4d5c-b474-252db6777ac9</wsa:To>
    <wsa:Action>http://htng.org/PWSWG/2010/12/OTA_HotelResNotifRS_SubmitResult</wsa:Action>
  </soapenv:Header>
  <env:Body>
    <OTA_HotelResNotifRS xmlns:ns2="http://htng.org/2014B" xmlns:ns3="http://protel.io/soap">
      <Errors>
        <Error Type="ELEMENT" ShortText="Invalid content was found starting with element 'Test'. One of '{"http://protel.io/htng/extensions":POSExtensions, "http://protel.io/htng/extensions":InvBlockExtensions, "http://protel.io/htng/extensions":ReservationExtensions, "http://protel.io/htng/extensions":RateAmountExtensions, "http://protel.io/htng/extensions":FixedChargesAmountsExtensions, "http://protel.io/htng/extensions":NotificationExtensions, "http://protel.io/htng/extensions":GuestStayExtensions, "http://protel.io/htng/extensions":ProfileInfoExtensions, "http://protel.io/htng/extensions":UserDefinedFieldExtensions, "http://protel.io/htng/extensions":WakeupInfoExtensions, "http://protel.io/htng/extensions":RoomStatusExtensions, "http://protel.io/htng/extensions":FolioExtensions}' is expected." Code="cvc-complex-type.2.4.a" RecordID="line: 7, column: 15"/>
      </Errors>
    </OTA_HotelResNotifRS>
  </env:Body>
</env:Envelope>
```

### Case 2: Integration partner sent a message that has the correct structure



The absence of an <Error> element indicates success in validation.

```
<?xml version='1.0' encoding='utf-8'?>
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope" xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsa="http://www.w3.org/2005/08/addressing" xmlns:htng="http://htng.org/PWSWG/2007/02/AsyncHeaders">
  <soapenv:Header xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope">
    <htng:CorrelationID>TEST_Val_141</htng:CorrelationID>
    <wsa:To>https://webhook.site/64b0a35d-e9c3-4d5c-b474-252db6777ac9</wsa:To>
    <wsa:Action>http://htng.org/PWSWG/2010/12/OTA_HotelResNotifRS_SubmitResult</wsa:Action>
  </soapenv:Header>
  <env:Body>
    <OTA_HotelResNotifRS xmlns:ns2="http://htng.org/2014B" xmlns:ns3="http://protel.io/soap"/>
  </env:Body>
</env:Envelope>
```

## Reporting the results



Once you have successfully validated your messages, please provide the CorrelationIDs to your protel.I/O Integration Specialist for confirmation!