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The objective of this document is to depict how the Header Web Service messages function in OPERA Web Suite (OWS).

This document may not contain all the web service messages supported by OWS.

**Audience**

This document is intended for those developing custom applications that interact with Header functionality in OWS.

**Customer Support**

To contact Oracle Customer Support, access My Oracle Support at the following URL: https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screenshots of each step you take

**Documentation**

Oracle Hospitality product documentation is available on the Oracle Help Center at http://docs.oracle.com/en/industries/hospitality/

**Revision History**

<table>
<thead>
<tr>
<th>Date</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 2005</td>
<td>• Initial publication</td>
</tr>
<tr>
<td>September 2006</td>
<td>• Revised and edited</td>
</tr>
<tr>
<td>February 2007</td>
<td>• Edited</td>
</tr>
<tr>
<td>December 2007</td>
<td>• Edited</td>
</tr>
<tr>
<td>December 2013</td>
<td>• Updated with information for terminalID attribute</td>
</tr>
<tr>
<td>September 2017</td>
<td>• Rebrand and update document format</td>
</tr>
</tbody>
</table>
1 Header – Messaging Specifications

Header

<?xml version="1.0" encoding="UTF-8"?>
<soap:Header>
  <OGHeader transactionID="000032" terminalID="LoginTest"
  timeStamp="2004-01-09T09:55:16.3618750-05:00"
  xmlns="http://webservices.micros.com/og/4.3/Core/">
    <Origin entityID="WEST" systemType="WEB"/>
    <Destination entityID="WC" systemType="ORS"/>
    <Intermediaries>
      <EndPoint systemType="DX"/>
      <EndPoint systemType="WEB"/>
    </Intermediaries>
    <Authentication>
      <UserCredentials>
        <UserName>USERNAME_EXAMPLE</UserName>
        <UserPassword>I_USERPASS_EXAMPLE</UserPassword>
        <Domain>HOTEL</Domain>
        <SecurityId>165668</SecurityId>
      </UserCredentials>
      <Licence>
        <Key>X1XXX1XXXRX1XX</Key>
      </Licence>
    </Authentication>
  </OGHeader>
</soap:Header>

<xs:element name="OGHeader" type="tns:OGHeader">
  <xs:annotation>
    <xs:documentation xml:lang="en">The header values as sent in a SOAP message for all request to the web service.</xs:documentation>
  </xs:annotation>
</xs:element>

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>OGHeader</td>
<td>element</td>
<td>OGHeader</td>
<td>required</td>
<td>The header values, sent as a SOAP header element in the message.</td>
</tr>
</tbody>
</table>

OGHeader

<xs:complexType name="OGHeader">
  <xs:sequence>
    <xs:element name="Origin" type="tns:EndPoint"/>
    <xs:element name="Destination" type="tns:EndPoint"/>
  </xs:sequence>
</xs:complexType>
<xs:element name="Intermediaries" type="tns:EndPointList" minOccurs="0"/>
<xs:element name="Authentication" minOccurs="0">
  <xs:annotation>
    <xs:documentation xml:lang="en">Authentication element that is used to identify who the caller is and if they are allowed to call the web service. This element is optional as it is only used when the web service is running in secure mode.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="UserCredentials">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="UserName" type="xs:string">
              <xs:annotation>
                <xs:documentation xml:lang="en">User Name of the person requesting to use the application. They can make a booking on behalf of anyone else.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="UserPassword" type="xs:string">
              <xs:annotation>
                <xs:documentation xml:lang="en">Password that is used to authenticate the user and is as provided by Opera.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Domain" type="xs:string">
              <xs:annotation>
                <xs:documentation xml:lang="en">Domain identifies the user as to what Authentication platform they belong to. The default is OPERA and has been added to allow for the possibility of Federated Authentication at a later stage.</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SecurityId" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Licence" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Key" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">The key will be in the form of a GUID and is used to check if the user calling the web service is really authorized to do so or not. The key is issued by OPERA application.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:pattern value="\{\dA-Fa-f\}{8}\-\{\dA-Fa-f\}{4}\-\{\dA-Fa-f\}{4}\-\{\dA-Fa-f\}{4}\-\{\dA-Fa-f\}{12}\}="/>
</xs:restriction>
</xs:simpleType>
</xs:element>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="transactionID" type="xs:string"/>
<xs:attribute name="authToken" type="xs:string" use="optional"/>
<xs:attribute name="terminalID" type="xs:string" use="optional" default="E">
</xs:annotation>
<xs:documentation xml:lang="en">Identifies the primary language preference for the message. The human language is identified by ISO 639 codes.</xs:documentation>
</xs:annotation>
<xs:simpleType>
</xs:restriction base="xs:string"/>
</xs:simpleType>
</xs:attribute>
</xs:complexType>
</xs:complexType>

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Origin</td>
<td>element</td>
<td>EndPoint</td>
<td>required</td>
<td>The system that the message originated from (mapped as the channel code).</td>
</tr>
<tr>
<td>Destination</td>
<td>element</td>
<td>EndPoint</td>
<td>required</td>
<td>The system that the message will be returned to.</td>
</tr>
<tr>
<td>Intermediaries</td>
<td>element</td>
<td>EndPointList</td>
<td>optional</td>
<td>The additional systems that the message will be processed in.</td>
</tr>
<tr>
<td>Authentication</td>
<td>element</td>
<td>Authentication</td>
<td>optional</td>
<td>The message authentication details.</td>
</tr>
<tr>
<td>transactionID</td>
<td>attribute</td>
<td>string</td>
<td>required</td>
<td>The unique message identification number.</td>
</tr>
<tr>
<td>authToken</td>
<td>attribute</td>
<td>string</td>
<td>optional</td>
<td>An authenticated token for the current message.</td>
</tr>
<tr>
<td>terminalID</td>
<td>attribute</td>
<td>string</td>
<td>optional</td>
<td>The ID of the Workstation from which the message is generated.</td>
</tr>
<tr>
<td>Name</td>
<td>Type</td>
<td>Data Type</td>
<td>Use</td>
<td>Comments</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>-----------</td>
<td>------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>timeStamp</td>
<td>attribute</td>
<td>string</td>
<td>required</td>
<td>The time stamp for the current message.</td>
</tr>
<tr>
<td>primaryLangID</td>
<td>attribute</td>
<td>string</td>
<td>optional</td>
<td>The language that the response message will be displayed in. If not specified, the default language is E (English). If passed in the request, the translated text in that language will be returned in the response.</td>
</tr>
</tbody>
</table>

**EndPoint**

```xml
<xs:complexType name="EndPoint">
  <xs:complexContent>
    <xs:extension base="tns:SystemID">
      <xs:attribute name="systemType" type="xs:string"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>SystemID</td>
<td>element</td>
<td>SystemID</td>
<td>required</td>
<td>The host system identification number.</td>
</tr>
<tr>
<td>systemType</td>
<td>attribute</td>
<td>string</td>
<td>required</td>
<td>The type of host system. It can be some of the predefined values, such as ADS, WEB, GDS, ORS, or PMS.</td>
</tr>
</tbody>
</table>

**SystemID**

```xml
<xs:complexType name="SystemID">
  <xs:attribute name="entityID" type="xs:string" use="required"/>
  <xs:attribute name="organizationID" type="xs:string"/>
</xs:complexType>
```

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>entityID</td>
<td>attribute</td>
<td>string</td>
<td>required</td>
<td>The host system channel name that is configured in the system.</td>
</tr>
</tbody>
</table>
### EndPointList

```xml
<xs:complexType name="EndPointList">
   <xs:sequence>
      <xs:element name="EndPoint" type="tns:EndPoint"
         maxOccurs="unbounded"/>
   </xs:sequence>
</xs:complexType>
```

### Authentication

```xml
<xs:element name="Authentication" minOccurs="0">
   <xs:annotation>
      <xs:documentation xml:lang="en">Authentication element that is used to identify who the caller is and if they are allowed to call the web service. This element is optional as it is only used when the web service is running in secure mode.</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence>
         <xs:element name="UserCredentials">
            <xs:complexType>
               <xs:sequence>
                  <xs:element name="UserName" type="xs:string">
                     <xs:annotation>
                        <xs:documentation xml:lang="en">User Name of the person requesting to use the application. They can make a booking on behalf of anyone else.</xs:documentation>
                     </xs:annotation>
                  </xs:element>
                  <xs:element name="UserPassword" type="xs:string">
                     <xs:annotation>
                        <xs:documentation xml:lang="en">Password that is used to authenticate the user and is as provided by OPERA.</xs:documentation>
                     </xs:annotation>
                  </xs:element>
                  <xs:element name="Domain" type="xs:string">
                     <xs:annotation>
                        <!-- Additional documentation for the Domain element can be added here -->
                     </xs:annotation>
                  </xs:element>
               </xs:sequence>
            </xs:complexType>
         </xs:element>
      </xs:sequence>
   </xs:complexType>
</xs:element>
```
Domain identifies the user as to what Authentication platform they belong to. The default is OPERA and has been added to allow for the possibility of Federated Authentication at a later stage.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>UserCredentials</td>
<td>element</td>
<td>complexType</td>
<td>required</td>
<td>An authentication element that is used to identify who the caller is, and what rights are set in order to use the Web Service.</td>
</tr>
<tr>
<td>Licence</td>
<td>element</td>
<td>complexType</td>
<td>required</td>
<td>A session based license key.</td>
</tr>
</tbody>
</table>

**UserCredentials**

```xml
<xs:element name="UserCredentials">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="UserName" type="xs:string">
        <xs:annotation>
          <xs:documentation xml:lang="en">The key will be in the form of a GUID and is used to check if the user calling the web service is really authorized to do so or not. The key is issued by OPERA application.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```
User Name of the person requesting to use the application. They can make a booking on behalf of anyone else.

Password that is used to authenticate the user and is as provided by Opera.

Domain identifies the user as to what Authentication platform they belong to. The default is OPERA and has been added to allow for the possibility of Federated Authentication at a later stage.

The security ID is issued by a call to a Security Web Service.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>UserName</td>
<td>element</td>
<td>string</td>
<td>required</td>
<td>The user name of the individual, company or travel agency requesting to use the application, including rights to make a booking on behalf of anyone else.</td>
</tr>
<tr>
<td>UserPassword</td>
<td>element</td>
<td>string</td>
<td>required</td>
<td>The password that is used to authenticate the user, as provided by Opera.</td>
</tr>
<tr>
<td>Domain</td>
<td>element</td>
<td>string</td>
<td>required</td>
<td>The domain that identifies the user as to what authentication platform they belong to. The default is OPERA.</td>
</tr>
<tr>
<td>SecurityId</td>
<td>element</td>
<td>string</td>
<td>required</td>
<td>The name ID of the individual, company or travel agency used to identify the user rights. The security ID is issued by a call to a Security Web Service.</td>
</tr>
</tbody>
</table>
### Licence

<xs:element name="Licence" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Key" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">The key will be in the form of a GUID and is used to check if the user calling the web service is really authorized to do so or not. The key is issued by OPERA application.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="\{[\dA-Fa-f]{8}\}-\{[\dA-Fa-f]{4}\}-\{[\dA-Fa-f]{4}\}-\{[\dA-Fa-f]{4}\}-\{[\dA-Fa-f]{12}\}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Data Type</th>
<th>Use</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key</td>
<td>element</td>
<td>string</td>
<td>required</td>
<td>A session key issued by the system that is used to check if the user calling the Web Service is really authorized to do so or not. The license key is issued by a call to a Security Web Service.</td>
</tr>
</tbody>
</table>