Opera Hotel Edition

Header Specification & Requirements Document
for Opera Web Suite Version 5.1

Version 1.0

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Page 2 of 11

Table of Contents

Record of Changes

Date	Version	Description	Author
12 Aug 2005	1.0.0	Initial Release	E. Morgenstern

Notes

WSDL document described by this document can be found at:

Associated schma (XSD) documenta can be found at:

> http://webservices.micros.com/og/4.3/Core.xsd

Header

```
<soap:Header>
    <OGHeader transactionID="000032" primaryLangID="E" 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>IBMBOOKER</UserName>
                <UserPassword>IBMBOOKER</UserPassword>
                <Domain>ibmdomain</Domain>
                <SecurityId>165668</SecurityId>
            </UserCredentials>
            <Licence>
                <Key>L2RRM5NSCRUD9GZEL6YM</Key>
            </Licence>
        </Authentication>
    </OGHeader>
</soap:Header>
```

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>
```

Name	Type	Data Type	Use	Comment
OGHeader	element	OGHeader	required	The header values sent as SOAP header element in the message.

OGHeader

```
<xs:complexType name="OGHeader">
    <xs:sequence>
        <xs:element name="Origin" type="tns:EndPoint"/>
        <xs:element name="Destination" type="tns:EndPoint"/>
        <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 any one 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 posibility
of Federated Authentication at a later stage.</xs:documentation>
                    </xs:annotation>
                </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 authorised 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>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="transactionID" type="xs:string"/>
<xs:attribute name="authToken" type="xs:string"/>
<xs:attribute name="timeStamp" type="xs:dateTime"/>
<xs:attribute name="primaryLangID" use="optional" default="E">
    <xs:annotation>
        <xs:documentation xml:lang="en">Identifes 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>
```

Name	Type	Data Type	Use	Comment
Origin	element	EndPoint	required	The system the message is originating from.

Destination	element	EndPoint	required	The system the message will be returned to.
Intermediaries	element	EndPointList	optional	The systems the message will be processed additionally.
Authentication	element	Authentication	optional	Message authentication details.
transactionID	attribute	string	required	Message unique identification number.
authToken	attribute	string	optional	Authenticated token for the current message.
timeStamp	attribute	string	required	Current message time stamp.
primaryLangID	attribute	string	optional	Language for response message to be displayed in. If not specified, default language is E (English).

EndPoint

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

Name	Type	Data Type	Use	Comment
SystemID	element	SystemID	required	The host system identification
systemType	attribute	string	required	The type of the host system, can be some of the predefined values ADS, WEB, GDS, ORS, PMS

SystemID

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

Name	Type	Data Type	Use	Comment
entityID	attribute	string	required	The host system channel name configured in the system.
organizationID	attribute	string	optional	Not used in this context

EndPointList

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

Name	Type	Data Type	Use	Comment
EndPoint	element	EndPoint	required	A list of intermediary systems

Authentication

```
<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 any one 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 posibility of Federated Authentication at a later
stage.</xs:documentation>
          </xs:annotation>
         </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 authorised 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>
   </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
UserCredentials	element	complexType	required	Authentication element that is used to identify who the caller is

				and what rights are set in order to use the web service.
Licence	element	complexType	required	A session based licenced key.

UserCredentials

```
<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 any one 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 posibility of Federated Authentication at a later
stage.</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="SecurityId" type="xs:string" minOccurs="0"/>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
UserName	element	string	required	The User Name of the individual, company or travel agency requesting to use the application, including rights to make a booking on behalf of any one else.
UserPassword	element	string	required	Password that is used to authenticate the user and is as provided by Opera.
Domain	element	string	required	Domain identifies the user as to what Authentication platform they belong to. The default is OPERA.
SecurityId	element	string	required	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 security web service.

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 authorised 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>
```

Name	Type	Data Type	Use	Comment
Key	element	string	required	A session key issued by the system 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 security web service.