

Oracle® Hospitality OPERA Web Self-Service
Header Web Service Specification
Version 5.1

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Preface

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

Date	Description of Change
August 2005	• Initial publication
September 2006	• Revised and edited
February 2007	• Edited
December 2007	• Edited
December 2013	• Updated with information for terminalID attribute
September 2017	• Rebrand and update document format

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>X1XXX1XXRX1XX</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>
```

Name	Type	Data Type	Use	Comments
OGHeader	element	OGHeader	required	The header values, sent as a 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 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: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: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="terminalID" type="xs:string"
use="optional"/>
<xs:attribute name="timeStamp" type="xs:dateTime"/>
<xs:attribute name="primaryLangID" 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>

```

Name	Type	Data Type	Use	Comments
Origin	element	EndPoint	required	The system that the message originated from (mapped as the channel code).
Destination	element	EndPoint	required	The system that the message will be returned to.
Intermediaries	element	EndPointList	optional	The additional systems that the message will be processed in.
Authentication	element	Authentication	optional	The message authentication details.
transactionID	attribute	string	required	The unique message identification number.
authToken	attribute	string	optional	An authenticated token for the current message.
terminalID	attribute	string	optional	The ID of the Workstation from which the message is generated.

Name	Type	Data Type	Use	Comments
timeStamp	attribute	string	required	The time stamp for the current message.
primaryLangID	attribute	string	optional	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.

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	Comments
SystemID	element	SystemID	required	The host system identification number.
systemType	attribute	string	required	The type of host system. It can be some of the predefined values, such as ADS, WEB, GDS, ORS, or 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	Comments
entityID	attribute	string	required	The host system channel name that is configured in the system.

Name	Type	Data Type	Use	Comments
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	Comments
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 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: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: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	Comments
UserCredentials	element	complexType	required	An 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 license 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 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:element name="SecurityId" type="xs:string"
    minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

Name	Type	Data Type	Use	Comments
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 anyone else.
UserPassword	element	string	required	The password that is used to authenticate the user, as provided by Opera.
Domain	element	string	required	The domain that 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 a 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 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>
```

Name	Type	Data Type	Use	Comments
Key	element	string	required	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.