micros® FIDELIO

Opera Hotel Edition

ORACLE

Opera Electronic Distribution Systems (OEDS)

*Security – Messaging Specifications for Opera
Web Suite Version 5.1*

Document Version 4.6

ORS/PMS Version: 5.0.02.02+
*Updated **10/6/2010***

Contents

Record of Changes

Date	Version	Description	Author
14 JAN 2004	1.0	Initial Release	B. More
July 2004	2.0	Create user	M. Kuklani
Sept 2004	2.1	Version 5.1	T. Gresham
07 Sept 2006	2.2	Revised and Edited	S. Khomutetsky
08 Feb 2007	2.3	Edited	S. Khomutetsky
15 Mar 2007	3.0	Revised.	S. Khomutetsky
29 Nov 2007	4.0	Regenerated	S. Khomutetsky
08 Dec 2007	4.1	Updated descriptions.	S. Khomutetsky
18 Feb 2009	4.2	154254 – AuthenticateUserRequest attributes changed as follows: membershipNumber is required, lastName is optional, and password is required.	C. Hunter
3 April 2009	4.3	150730 – Updated all message samples as part of SDK update.	C. Hunter
11 June 2009	4.4	157539 – Added UpdateAppUserPassword web function and sample request and response messages.	C. Hunter
5 Jan 2010	4.5	168992 – Added userDomain attribute to Validatequestion,Useraccountlock,Updatequestion,Updatepassword,Generatepassword, AuthenticateUser and ExtAuthenticateUser functions. Sample request and response messages also added. V5.0.02.01	C. Hunter
17 March 2010	4.6	172474 – LoginAppUser function now returns the application user groups . Added RQ and RS message samples for LoginAppUser. ApplicationUserGroup and ArrayOfApplicationUserGroup elements were also added. V5.0.02.02	C. Hunter

Notes

WSDL document described by this document can be found at:

http://webservices.micros.com/ows/5.1/Security.wsdl

Associated schema (XSD) documents can be found at:

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

http://webservices.micros.com/og/4.3/Common.xsd

http://webservices.micros.com/og/4.3/HotelCommon.xsd

http://webservices.micros.com/og/4.3/Name.xsd

Introduction

The objective of this document is to depict how the Security Web Service messages function in Opera Web Suite (OWS) version 5.1. In addition, this document breaks-down the available simple and complex element types.

Functional Overview

The following functions are currently provided through the Security Web Service:

Function	Description
AuthenticateNRUser	Authenticates a non-registered (no membership profile) user and returns the name identifier, given the user last name, confirmation identifier, and credit card number.
AuthenticateUser	Authenticates a user and returns the name identifier, given the membership number, last name, and password.
CreateAppUser	Creates an application user profile and returns the name identifier, given the profile details, and user group type, as well as a login name, password, and expiration date.
CreateUser	Creates a web user, given the name identifier and a login name and password.
DeleteAppUser	Deletes an application user profile, given the login name and password.
ExtAuthenticateUser	Authenticates a user and returns the login profile, given the login name and password.
FetchAppUser	Retrieves a list of application users, given the login name. Login and name profile details are also returned.
FetchQuestionList	Retrieves a list of predefined secret questions that users can choose from and answer for further authentication.
GeneratePassword	Returns an automatically generated password, given the login name.
LoginAppUser	Authenticates an application user using the login name and password credentials, and returns the security identifier (company name and user group type) and license key.
UpdateAppUser	Modifies an application user profile and returns the name identifier, given the login name, password, and expiration date, as well as the name profile and user group information.
UpdateAppUserPassword	Updates the user's password given the application user's loginName, oldPassword, and newPassword. This allows users to

Function	Description
	change their passwords without logging into the application. A Success or Error Result is returned.
UpdatePassword	Modifies the login password, given the membership number, last name, old password (if not a new user), and new password.
UpdateQuestion	Modifies the answer to a user's chosen secret question, given the name identifier, pre-defined question identifier, and new answer.
UserAccountLock	Performs a lock or unlock operation on a user account, given the login name and the lock action type.
ValidateQuestion	Validates a user answer to a chosen special question and returns the password, given the membership number, question identifier, and an answer.

AuthenticateNRUser

Authenticates a non-registered (no membership profile) user and returns the name identifier, given the user last name, confirmation identifier, and credit card number.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#AuthenticateNRUser

AuthenticateNRUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="324969893" timeStamp="2009-03-17T18:42:12.5430600+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="TI" systemType="ORS"/>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <AuthenticateNRUserRequest lastName="Boco" confirmationNumber="4627011"
creditCardNumber="373344556677889" xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

AuthenticateNRUserRequest				
<xs:complexType name="AuthenticateNRUserRequest"> <xs:attribute name="lastName" type="xs:string" /> <xs:attribute name="confirmationNumber" type="xs:string" /> <xs:attribute name="creditCardNumber" type="xs:string" /> </xs:complexType>				
Name	**Type**	**Data Type**	**Use**	**Comments**
lastName	attribute	string	none	The last name of the guest to be authenticated.
confirmationNumber	attribute	string	none	The confirmation number of an existing reservation/booking in Opera.
creditCardNumber	attribute	string	none	The credit card number of the card

				used to guarantee the booking that is referenced in the previous attribute.

AuthenticateNRUserResponse

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="324969893" timeStamp="2009-03-17T13:42:12.54306-04:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#AuthenticateNRUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:00c66d60-cc7a-4974-8761-272c28f0fd88</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:28a5bb9c-032b-4e5f-87f1-f978435fbf73</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <AuthenticateNRUserResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <NameID type="INTERNAL">4649260</NameID>
    </AuthenticateNRUserResponse>
  </soap:Body>
</soap:Envelope>
```

AuthenticateNRUserResponse

`<xs:complexType name="AuthenticateNRUserResponse">`
 	
`    <xs:annotation>`
 	
`        <xs:appinfo>`
 	
`        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
`    </xs:appinfo>`
 	
`</xs:annotation>`
 	
`<xs:sequence>`
 	
`    <xs:element minOccurs="0" maxOccurs="1" name="Result"`
`        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />`
 	
`    <xs:element minOccurs="0" maxOccurs="1" name="NameID"`
`        xmlns:q2="http://webservices.micros.com/og/4.3/Common/" type="q2:UniqueID" />`

```
</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of a transaction.
NameID	element	UniqueID	optional	If the authentication succeeded, this is the NameID value of the authenticated guest.

AuthenticateUser

Authenticates a user and returns the name identifier, given the membership number, last name, and password.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#AuthenticateUser

AuthenticateUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="1349769" timeStamp="2009-03-02T21:43:03.3437500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <AuthenticateUserRequest membershipNumber="DDIXON" password="MICROS1"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

AuthenticateUserRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="1349769" timeStamp="2009-03-02T21:43:03.3437500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <AuthenticateUserRequest membershipNumber="DDIXON" password="MICROS1"
userDomain="PADMES" xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

AuthenticateUserRequest

`<xs:complexType name="AuthenticateUserRequest">`
 	
`    <xs:attribute name="membershipNumber" type="xs:string" />`
 	
`    <xs:attribute name="lastName" type="xs:string" />`

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```
    <xs:attribute name="password" type="xs:string" />

    <xs:attribute name="userDomain" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
membershipNumber	attribute	string	required	The membership number.
lastName	attribute	string	optional	The last name.
password	attribute	string	required	The password.
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.

AuthenticateUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="1349769" timeStamp="2009-03-02T15:43:03.34375-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#AuthenticateUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:14436d97-b77a-46b8-b68c-7a98c8123bea</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:dbb731d2-c900-45d7-973e-85b50ea68def</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <AuthenticateUserResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <NameID type="INTERNAL">194600</NameID>
    </AuthenticateUserResponse>
  </soap:Body>
</soap:Envelope>
```

AuthenticateUserResponse for User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="1349769" timeStamp="2009-03-02T15:43:03.34375-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#AuthenticateUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:14436d97-b77a-46b8-b68c-7a98c8123bea</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:dbb731d2-c900-45d7-973e-85b50ea68def</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <AuthenticateUserResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <NameID type="INTERNAL">194600</NameID>
    </AuthenticateUserResponse>
  </soap:Body>
</soap:Envelope>
```

AuthenticateUserResponse

```
<xs:complexType name="AuthenticateUserResponse">

    <xs:annotation>

        <xs:appinfo>

        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>

    </xs:appinfo>

</xs:annotation>

<xs:sequence>

    <xs:element minOccurs="0" maxOccurs="1" name="Result"
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

    <xs:element minOccurs="0" maxOccurs="1" name="NameID"
        xmlns:q2="http://webservices.micros.com/og/4.3/Common/" type="q2:UniqueID" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	The standard result object.
NameID	element	UniqueID	optional	The Opera name ID.

CreateAppUser

Creates an application user profile and returns the name identifier, given the profile details, and user group type, as well as a login name, password, and expiration date.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#CreateAppUser

CreateAppUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="203487987" timeStamp="2006-03-13T15:48:31.0312500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
      <Authentication>
       <UserCredentials>
        <UserName>ONBEHALF</UserName>
        <UserPassword>F1D3LI0P@55</UserPassword>
        <Domain>GE FLORIDA</Domain>
        <SecurityId>1786836</SecurityId>
       </UserCredentials>
       <Licence>
        <Key>EUSNZ2S7EJQ382OCHB4R</Key>
       </Licence>
      </Authentication>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <CreateAppUserRequest loginName="DDIXON" password="MICR0SWINTER14" expiryDate="2010-10-10"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
     <ProfileDetails nameType="D">
      <Customer xmlns="http://webservices.micros.com/og/4.3/Name/">
       <PersonName>
        <firstName xmlns="http://webservices.micros.com/og/4.3/Common/">JAMES</firstName>
        <lastName xmlns="http://webservices.micros.com/og/4.3/Common/">DIXON</lastName>
       </PersonName>
      </Customer>
      <Addresses xmlns="http://webservices.micros.com/og/4.3/Name/">
       <NameAddress addressType="BUSINESS">
        <AddressLine xmlns="http://webservices.micros.com/og/4.3/Common/">Europadamm 2-
6</AddressLine>
        <cityName xmlns="http://webservices.micros.com/og/4.3/Common/">Düsseldorf</cityName>
        <stateProv xmlns="http://webservices.micros.com/og/4.3/Common/">NW</stateProv>
        <countryCode xmlns="http://webservices.micros.com/og/4.3/Common/">DE</countryCode>
        <postalCode xmlns="http://webservices.micros.com/og/4.3/Common/">41460</postalCode>
       </NameAddress>
      </Addresses>
     </ProfileDetails>
```

```
      <UserGroup groupType="BOOKER" />
    </CreateAppUserRequest>
  </soap:Body>
</soap:Envelope>
```

CreateAppUserRequest

```
<xs:complexType name="CreateAppUserRequest">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="ProfileDetails"
            xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:Profile" />

        <xs:element minOccurs="0" maxOccurs="1" name="UserGroup"
            xmlns:q2="http://webservices.micros.com/og/4.3/Name/" type="q2:UserGroup" />

    </xs:sequence>

    <xs:attribute name="loginName" type="xs:string" />

    <xs:attribute name="password" type="xs:string" />

    <xs:attribute name="expiryDate" type="xs:date" use="required" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	attribute	string	none	The login name of the user.
password	attribute	string	none	The password value to be authenticated.
expiryDate	attribute	date	required	The expiration date for the login.
ProfileDetails	element	Profile	optional	The profile details
UserGroup	element	UserGroup	optional	The user group that the profile belongs to. For example, TAM, BOOKER, BOOKER2, or COMPANY.

CreateAppUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="203487987" timeStamp="2006-03-13T10:48:31.03125-04:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="OWS" systemType="WEB" />
      <Authentication>
        <UserCredentials>
          <UserName>ONBEHALF</UserName>
          <UserPassword>F1D3LI0P@55</UserPassword>
          <Domain>GE FLORIDA</Domain>
          <SecurityId>1786836</SecurityId>
        </UserCredentials>
        <Licence>
          <Key>EUSNZ2S7EJQ382OCHB4R</Key>
        </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#CreateAppUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:3dea2733-e249-4fb9-81b0-e4d8e4ee04b0</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:39446c26-c43a-4b8f-b3d1-358170814353</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <CreateAppUserResponse xmlns:nm="http://webservices.micros.com/og/4.3/Name/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <NameID type="INTERNAL">2</NameID>
    </CreateAppUserResponse>
  </soap:Body>
</soap:Envelope>
```

CreateAppUserResponse
| ```xml
<xs:complexType name="CreateAppUserResponse">

    <xs:annotation>

        <xs:appinfo>

            <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>

        </xs:appinfo>

    </xs:annotation>
``` |

```
<xs:sequence>

    <xs:element minOccurs="0" maxOccurs="1" name="Result"
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

    <xs:element minOccurs="0" maxOccurs="1" name="NameID"
        xmlns:q2="http://webservices.micros.com/og/4.3/Common/" type="q2:UniqueID" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of the transaction.
NameID	element	UniqueID	optional	The company name, which is required for on-behalf booking messages.

CreateUser

Creates a Web user, given the name identifier and a login name and password.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#CreateUser

CreateUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="340985348" timeStamp="2009-03-02T21:41:40.5312500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                            <Authentication>
    <UserCredentials>
      <UserName>ONBEHALF</UserName>
      <UserPassword>F1D3LI0P@55</UserPassword>
      <Domain>GE FLORIDA</Domain>
      <SecurityId>1786836</SecurityId>
    </UserCredentials>
    <Licence>
      <Key>80TOL0ZGJ3CGNKMIG3WF</Key>
    </Licence>
  </Authentication>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <CreateUserRequest loginName="DAVIDG" password="SAMPLE001"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
                        <NameID type="INTERNAL">194600</NameID>
                </CreateUserRequest>
        </soap:Body>
</soap:Envelope>
```

CreateUserRequest

`<xs:complexType name="CreateUserRequest">`
 	
`    <xs:annotation>`
 	
`        <xs:appinfo>`
 	
`        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
`    </xs:appinfo>`
 	
`</xs:annotation>`

```
<xs:sequence>

    <xs:element minOccurs="0" maxOccurs="1" name="NameID"
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:UniqueID" />

</xs:sequence>

<xs:attribute name="loginName" type="xs:string" />

<xs:attribute name="password" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	attribute	string	none	The login name of the user.
password	attribute	string	none	The password value to be authenticated.
NameID	element	UniqueID	optional	The name ID or membership card number to be used.

CreateUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="340985348" timeStamp="2009-03-02T15:41:40.53125-05:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
      <Authentication>
       <UserCredentials>
         <UserName>ONBEHALF</UserName>
         <UserPassword>F1D3LI0P@55</UserPassword>
         <Domain>GE FLORIDA</Domain>
         <SecurityId>1786836</SecurityId>
       </UserCredentials>
       <Licence>
         <Key>80TOL0ZGJ3CGNKMIG3WF</Key>
       </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#CreateUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:2332ca43-c9c4-496d-90bb-7e0b7da650c8</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:cc067d33-deb7-410c-b1d5-70115c186ced</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <CreateUserResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </CreateUserResponse>
  </soap:Body>
</soap:Envelope>
```

CreateUserResponse

`<xs:complexType name="CreateUserResponse">`
 	
`    <xs:annotation>`
 	
`        <xs:appinfo>`
 	
`        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
`    </xs:appinfo>`
 	
`</xs:annotation>`
 	
`<xs:sequence>`
 	
`    <xs:element minOccurs="0" maxOccurs="1" name="Result"`

```
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of the transaction.

DeleteAppUser

Deletes an application user profile, given the login name and password.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#DeleteAppUser

DeleteAppUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="2342340972" timeStamp="2009-03-13T16:27:00.0000000+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                            <Authentication>
    <UserCredentials>
     <UserName>ONBEHALF</UserName>
     <UserPassword>F1D3LI0P@55</UserPassword>
     <Domain>GE FLORIDA</Domain>
     <SecurityId>1786836</SecurityId>
    </UserCredentials>
    <Licence>
     <Key>80TOL0ZGJ3CGNKMIG3WF</Key>
    </Licence>
   </Authentication>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <DeleteAppUserRequest loginName="DDIXON" password="WINTER14"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

DeleteAppUserRequest				

`<xs:complexType name="DeleteAppUserRequest">`
 	
 `<xs:attribute name="loginName" type="xs:string" />`
 	
 `<xs:attribute name="password" type="xs:string" />`
 	
 `</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
loginName	attribute	string	none	The user's login.
password	attribute	string	none	The user's password.

DeleteAppUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="2342340972" timeStamp="2009-03-13T11:27:00-04:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
      <Authentication>
        <UserCredentials>
          <UserName>ONBEHALF</UserName>
          <UserPassword>F1D3LI0P@55</UserPassword>
          <Domain>GE FLORIDA</Domain>
          <SecurityId>1786836</SecurityId>
        </UserCredentials>
        <Licence>
          <Key>80TOL0ZGJ3CGNKMIG3WF</Key>
        </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#DeleteAppUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:667118b5-4c17-45df-b6c9-416ea1ff6ab0</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:98659ed6-0d49-4602-b9a8-690f82c84420</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <DeleteAppUserResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </DeleteAppUserResponse>
  </soap:Body>
</soap:Envelope>
```

DeleteAppUserResponse

`<xs:complexType name="DeleteAppUserResponse">`
 	
 `    <xs:annotation>`
 	
 `        <xs:appinfo>`
 	
 `        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
 `    </xs:appinfo>`
 	
 `</xs:annotation>`
 	
 `<xs:sequence>`
 	
 `    <xs:element minOccurs="0" maxOccurs="1" name="Result"`

```
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of the transaction.

ExtAuthenticateUser

Authenticates a user and returns the login profile, given the login name and password.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#ExtAuthenticateUser

ExtAuthenticateUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="3234097" timeStamp="2009-03-13T10:58:31.4218750+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <ExtAuthenticateUserRequest loginName="DAVIDG" password="SAMPLE001"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

ExtAuthenticateUserRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="3234097" timeStamp="2009-03-13T10:58:31.4218750+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <ExtAuthenticateUserRequest loginName="DAVIDG" password="SAMPLE001" userDomain="PADMES"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

ExtAuthenticateUserRequest

`<xs:complexType name="ExtAuthenticateUserRequest">`
 	
`    <xs:attribute name="loginName" type="xs:string" />`
 	
`    <xs:attribute name="password" type="xs:string" />`

```
     <xs:attribute name="userDomain" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	attribute	string	none	The login name.
password	attribute	string	none	The password.
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.

ExtAuthenticateUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="3234097" timeStamp="2009-03-13T05:58:31.421875-04:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#ExtAuthenticateUserResponse</wsa:Action
>
    <wsa:MessageID>urn:uuid:eecf39cd-19fd-4ad3-bfee-d46c00e64ff7</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:361e4d98-c2ca-4e2d-90e8-5ca68edca0bb</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <ExtAuthenticateUserResponse xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <LoginProfile>
        <UserName xmlns="http://webservices.micros.com/og/4.3/Security/">DRAWAT</UserName>
        <NameId type="INTERNAL" xmlns="http://webservices.micros.com/og/4.3/Security/">194600</NameId>
        <Password IsExpired="false" LastPasswordChanged="2009-04-03" IsSystemGenerated="true"
xmlns="http://webservices.micros.com/og/4.3/Security/" />
      </LoginProfile>
    </ExtAuthenticateUserResponse>
  </soap:Body>
</soap:Envelope>
```

ExtAuthenticateUserResponse for User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="3234097" timeStamp="2009-03-13T05:58:31.421875-04:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#ExtAuthenticateUserResponse</wsa:Action
>
    <wsa:MessageID>urn:uuid:eecf39cd-19fd-4ad3-bfee-d46c00e64ff7</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:361e4d98-c2ca-4e2d-90e8-5ca68edca0bb</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <ExtAuthenticateUserResponse xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <LoginProfile>
```

```
    <UserName xmlns="http://webservices.micros.com/og/4.3/Security/">DRAWAT</UserName>
    <NameId type="INTERNAL" xmlns="http://webservices.micros.com/og/4.3/Security/">194600</NameId>
    <Password IsExpired="false" LastPasswordChanged="2009-04-03" IsSystemGenerated="true"
xmlns="http://webservices.micros.com/og/4.3/Security/" />
    </LoginProfile>
   </ExtAuthenticateUserResponse>
  </soap:Body>
</soap:Envelope>
```

<table>
<tr><td colspan="5">ExtAuthenticateUserResponse</td></tr>
<tr><td colspan="5">

```
<xs:complexType name="ExtAuthenticateUserResponse">

   <xs:sequence>

      <xs:element minOccurs="0" maxOccurs="1" name="Result"
         xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

      <xs:element minOccurs="0" maxOccurs="1" name="LoginProfile"
         xmlns:q2="http://webservices.micros.com/og/4.3/Security/" type="q2:UserProfile" />

   </xs:sequence>

</xs:complexType>
```

</td></tr>
<tr><td>Name</td><td>Type</td><td>Data Type</td><td>Use</td><td>Comments</td></tr>
<tr><td>Result</td><td>element</td><td>ResultStatus</td><td>optional</td><td>A primary indication of the success or failure of a transaction.</td></tr>
<tr><td>LoginProfile</td><td>element</td><td>UserProfile</td><td>optional</td><td>The login profile.</td></tr>
</table>

FetchAppUser

Retrieves a list of application users, given the login name. Login and name profile details are also returned.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#FetchAppUser

FetchAppUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <OGHeader transactionID="82347909970" timeStamp="2009-03-09T09:55:16.3618750-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
      <Authentication>
       <UserCredentials>
         <UserName>ONBEHALF</UserName>
         <UserPassword>F1D3LI0P@55</UserPassword>
         <Domain>GE FLORIDA</Domain>
         <SecurityId>1786836</SecurityId>
       </UserCredentials>
       <Licence>
         <Key>80TOL0ZGJ3CGNKMIG3WF</Key>
       </Licence>
      </Authentication>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <FetchAppUserRequest loginName="DDIXON"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

FetchAppUserRequest				

`<xs:complexType name="FetchAppUserRequest">`
 	
    `<xs:attribute name="loginName" type="xs:string" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
loginName	attribute	string	none	The login name.

FetchAppUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="82347909970" timeStamp="2009-03-09T10:55:16.361875-04:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
      <Authentication>
       <UserCredentials>
        <UserName>ONBEHALF</UserName>
        <UserPassword>F1D3LI0P@55</UserPassword>
        <Domain>GE FLORIDA</Domain>
        <SecurityId>1786836</SecurityId>
       </UserCredentials>
       <Licence>
        <Key>80TOL0ZGJ3CGNKMIG3WF</Key>
       </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#FetchAppUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:51c822d5-58e9-469f-a427-606a4c0d4b6d</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:20b6a79c-3de8-48d5-8c89-b4ffb542bc9b</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <FetchAppUserResponse loginName="DDIXON" password="10495848" expiryDate="2010-10-10"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <ResultStatus resultStatusFlag="SUCCESS" />
      <ProfileDetails insertUser="663" updateUser="663">
       <Customer xmlns="http://webservices.micros.com/og/4.3/Name/">
        <PersonName>
         <firstName xmlns="http://webservices.micros.com/og/4.3/Common/">James</firstName>
         <lastName xmlns="http://webservices.micros.com/og/4.3/Common/">Dixon</lastName>
        </PersonName>
       </Customer>
       <Addresses xmlns="http://webservices.micros.com/og/4.3/Name/">
        <NameAddress>
         <AddressLine xmlns="http://webservices.micros.com/og/4.3/Common/">Reu de la strt 2-
6</AddressLine>
         <cityName xmlns="http://webservices.micros.com/og/4.3/Common/">D?sseldorf</cityName>
         <stateProv xmlns="http://webservices.micros.com/og/4.3/Common/">NW</stateProv>
         <countryCode xmlns="http://webservices.micros.com/og/4.3/Common/">DE</countryCode>
         <postalCode xmlns="http://webservices.micros.com/og/4.3/Common/">41460</postalCode>
        </NameAddress>
       </Addresses>
       <UserGroup groupType="BOOKER" xmlns="http://webservices.micros.com/og/4.3/Name/" />
      </ProfileDetails>
    </FetchAppUserResponse>
  </soap:Body>
```

</soap:Envelope>

FetchAppUserResponse

```
<xs:complexType name="FetchAppUserResponse">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="ResultStatus"
            xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

        <xs:element minOccurs="0" maxOccurs="1" name="ProfileDetails"
            xmlns:q2="http://webservices.micros.com/og/4.3/Name/" type="q2:Profile" />

    </xs:sequence>

    <xs:attribute name="loginName" type="xs:string" />

    <xs:attribute name="password" type="xs:string" />

    <xs:attribute name="expiryDate" type="xs:date" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	attribute	string	none	The login name.
password	attribute	string	none	The password.
expiryDate	attribute	date	none	The expiration date.
ResultStatus	element	ResultStatus	optional	A primary indication of the success or failure of a transaction.
ProfileDetails	element	Profile	optional	The profile details.

FetchQuestionList

Retrieves a list of predefined secret questions that users can choose from and answer for further authentication.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#FetchQuestionList

FetchQuestionListRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
       <soap:Header>
               <OGHeader transactionID="2198721990" timeStamp="2009-03-02T21:46:06.4062500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                       <Origin entityID="WEST" systemType="WEB"/>
                       <Destination entityID="OWS" systemType="ORS"/>
                               </OGHeader>
       </soap:Header>
       <soap:Body>
               <FetchQuestionListRequest xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
       </soap:Body>
</soap:Envelope>
```

No input parameters are required for this operation.

FetchQuestionListResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="2198721990" timeStamp="2009-03-02T15:46:06.40625-05:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#FetchQuestionListResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:d7d609f9-e2bd-4e3a-be62-f7612679e421</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:f577f400-ec95-4e76-bc1d-103a24badf24</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <FetchQuestionListResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <Questions>
        <Question questionId="001">What is your pet's name?</Question>
        <Question questionId="002">What is your mother's maiden name?</Question>
        <Question questionId="003">What is your favorite animal?</Question>
        <Question questionId="004">Where is your country of birth?</Question>
        <Question questionId="005">What color is the sky</Question>
        <Question questionId="006">This is a trick question</Question>
        <Question questionId="007">What is your favorite color?</Question>
      </Questions>
    </FetchQuestionListResponse>
  </soap:Body>
</soap:Envelope>
```

FetchQuestionListResponse

`<xs:complexType name="FetchQuestionListResponse">`
 	
   `<xs:annotation>`
 	
      `<xs:appinfo>`
 	
      `<keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
   `</xs:appinfo>`
 	
`</xs:annotation>`
 	
`<xs:sequence>`
 	
   `<xs:element minOccurs="0" maxOccurs="1" name="Result"`
      `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />`
 	
   `<xs:element minOccurs="0" maxOccurs="1" name="Questions"`

```
        xmlns:q2="http://webservices.micros.com/ows/5.1/Security.wsdl" type="q2:ArrayOfQuestion" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of a transaction.
Questions	element	ArrayOfQuestion	optional	A list of Question elements. If present, this must contain at least one question child element.

GeneratePassword

Returns an automatically generated password, given the login name.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#GeneratePassword

GeneratePasswordRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="234423426" timeStamp="2009-03-13T10:54:31.0781250+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="TI" systemType="ORS" />
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <GeneratePasswordRequest loginName="DIXON"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

GeneratePasswordRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="234423426" timeStamp="2009-03-13T10:54:31.0781250+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="TI" systemType="ORS" />
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <GeneratePasswordRequest loginName="DIXON" userDomain="PADMES"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
  </soap:Body>
</soap:Envelope>
```

GeneratePasswordRequest

``xml
<xs:complexType name="GeneratePasswordRequest">
 	
    <xs:attribute name="loginName" type="xs:string" />
 	
    <xs:attribute name="userDomain" type="xs:string" />
``

`</xs:complexType>`				
Name	**Type**	**Data Type**	**Use**	**Comments**
loginName	attribute	string	none	The login name.
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.

GeneratePasswordResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="234423426" timeStamp="2009-03-13T05:54:31.078125-04:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#GeneratePasswordResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:1c093274-1996-48fa-b80b-924299f58adf</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:19aeadf4-4ab3-41cc-acd1-90bb2d60c2c9</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <GeneratePasswordResponse xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
     <Result resultStatusFlag="SUCCESS" />
     <Password>JCV63PK5G</Password>
    </GeneratePasswordResponse>
  </soap:Body>
</soap:Envelope>
```

GeneratePasswordResponse for User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="234423426" timeStamp="2009-03-13T05:54:31.078125-04:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#GeneratePasswordResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:1c093274-1996-48fa-b80b-924299f58adf</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:19aeadf4-4ab3-41cc-acd1-90bb2d60c2c9</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <GeneratePasswordResponse xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
     <Result resultStatusFlag="SUCCESS" />
     <Password>JCV63PK5G</Password>
    </GeneratePasswordResponse>
  </soap:Body>
</soap:Envelope>
```

GeneratePasswordResponse

```
<xs:complexType name="GeneratePasswordResponse">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="Result"
            xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

        <xs:element minOccurs="0" maxOccurs="1" name="Password" type="xs:string" />

    </xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	An indication of the success or failure of the called function.
Password	element	string	optional	The password.

LoginAppUser

Authenticates an application user using the login name and password credentials, and returns the security identifier (company name and user group type) and license key.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#LoginAppUser

LoginRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="2132144" timeStamp="2009-02-17T18:42:12.5430600+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="TI" systemType="ORS"/>
                        <Authentication>
                                <UserCredentials>
                                        <UserName>ONBEHALF</UserName>
                                        <UserPassword>F1D3LI0P@55</UserPassword>
                                        <Domain>GE FLORIDA</Domain>
                                </UserCredentials>
                        </Authentication>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <LoginRequest xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

No input parameters are required for this operation. All of the login information is contained in the UserCredentials section of the OGHeader.

LoginRequest for Application User Groups

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
 <soap:Header>
  <OGHeader transactionID="000032" 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" />
    <Authentication>
     <UserCredentials>
       <UserName>KULDIR</UserName>
       <UserPassword>MICROS123</UserPassword>
     </UserCredentials>
    </Authentication>
```

```
    </OGHeader>
   </soap:Header>
   <soap:Body>
    <LoginRequest xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl" />
   </soap:Body>
</soap:Envelope>
```

LoginResponse

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
   <soap:Header>
    <OGHeader transactionID="2132144" timeStamp="2009-02-17T12:42:12.54306-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
      <Authentication>
       <UserCredentials>
        <UserName>ONBEHALF</UserName>
        <UserPassword>F1D3LI0P@55</UserPassword>
        <Domain>GE FLORIDA</Domain>
        <SecurityId>1786836</SecurityId>
       </UserCredentials>
       <Licence>
        <Key>N6RA9VAON3R639U3RK48</Key>
       </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#LoginAppUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:6f3172e6-e6d7-40df-beae-8f8246061b92</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:2d46e26e-8cf3-4644-9a6a-edccfebf28a4</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
   </soap:Header>
   <soap:Body>
    <LoginResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/" companyName="GE FLORIDA"
userGroup="BOOKER" xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </LoginResponse>
   </soap:Body>
</soap:Envelope>
```

LoginResponse for Application User Groups

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
   <soap:Header>
    <OGHeader transactionID="000032" timeStamp="2004-01-09T09:55:16.361875-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WC" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
```

```xml
    <Authentication>
     <UserCredentials>
      <UserName>KULDIR</UserName>
      <UserPassword>MICROS123</UserPassword>
      <SecurityId>0</SecurityId>
     </UserCredentials>
     <Licence />
    </Authentication>
   </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#LoginAppUserResponse</wsa:Action>
   <wsa:MessageID>urn:uuid:707b981b-efc6-4742-92a0-c3248b3cea6a</wsa:MessageID>
   <wsa:RelatesTo>urn:uuid:0af76392-295e-47f6-b753-1dfb330108da</wsa:RelatesTo>
   <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
   <LoginResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
    <Result resultStatusFlag="SUCCESS" />
    <ApplicationUserGroups>
     <ApplicationUserGroup GroupID="MYFIDELIO ADMIN" GroupName="MyFidelio Resort Admin"
xmlns="http://webservices.micros.com/og/4.3/Security/" />
    </ApplicationUserGroups>
   </LoginResponse>
  </soap:Body>
</soap:Envelope>
```

LoginResponse

`<xs:complexType name="LoginResponse">`
 	
`    <xs:annotation>`
 	
`        <xs:appinfo>`
 	
`        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
`    </xs:appinfo>`
 	
`</xs:annotation>`
 	
`<xs:sequence>`
 	
`    <xs:element minOccurs="0" maxOccurs="1" name="Result"`
`        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />`
 	
`</xs:sequence>`
 	
`<xs:attribute name="companyName" type="xs:string" />`
 	
`<xs:attribute name="userGroup" type="xs:string" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments

companyName	attribute	string	none	The company name required for on-behalf booking messages.
userGroup	attribute	string	none	The type of user.
Result	element	ResultStatus	optional	A primary indication of the success or failure of the transaction.
ApplicationUserGroups	element	ArrayOfApplicationUserGroup	optional	The application user groups collection.

UpdateAppUser

Modifies an application user profile and returns the name identifier, given the login name, password, and expiration date, as well as the name profile and user group information.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#UpdateAppUser

UpdateAppUserRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="234234423" timeStamp="2006-03-13T16:14:20.0781250+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="OWS" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                        <Authentication>
    <UserCredentials>
     <UserName>ONBEHALF</UserName>
     <UserPassword>F1D3LI0P@55</UserPassword>
     <Domain>GE FLORIDA</Domain>
     <SecurityId>1786836</SecurityId>
    </UserCredentials>
    <Licence>
     <Key>NQJ4I5RSJ7AG0ILEMIC4</Key>
    </Licence>
   </Authentication>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <UpdateAppUserRequest loginName="DDIXON" password="WINTER14MICROS"
expiryDate="2010-10-10" xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
                        <ProfileDetails nameType="D">
                                <Customer gender="MALE"
xmlns="http://webservices.micros.com/og/4.3/Name/">
                                        <PersonName>
                                                <firstName
xmlns="http://webservices.micros.com/og/4.3/Common/">James</firstName>
                                                <lastName
xmlns="http://webservices.micros.com/og/4.3/Common/">Dixon</lastName>
                                        </PersonName>
                                </Customer>
                                <Addresses xmlns="http://webservices.micros.com/og/4.3/Name/">
                                        <NameAddress addressType="BUSINESS">
                                                <AddressLine
xmlns="http://webservices.micros.com/og/4.3/Common/">Reu de la strt 2-6</AddressLine>
                                                <cityName
xmlns="http://webservices.micros.com/og/4.3/Common/">Düsseldorf</cityName>
                                                <stateProv
xmlns="http://webservices.micros.com/og/4.3/Common/">NW</stateProv>
```

```
                                    <countryCode
xmlns="http://webservices.micros.com/og/4.3/Common/">DE</countryCode>
                                    <postalCode
xmlns="http://webservices.micros.com/og/4.3/Common/">41460</postalCode>
                                </NameAddress>
                            </Addresses>
                        </ProfileDetails>
                        <UserGroup groupType="BOOKER"/>
                    </UpdateAppUserRequest>
            </soap:Body>
    </soap:Envelope>
```

UpdateAppUserRequest

```
<xs:complexType name="UpdateAppUserRequest">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="ProfileDetails"
            xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:Profile" />

        <xs:element minOccurs="0" maxOccurs="1" name="UserGroup"
            xmlns:q2="http://webservices.micros.com/og/4.3/Name/" type="q2:UserGroup" />

    </xs:sequence>

    <xs:attribute name="loginName" type="xs:string" />

    <xs:attribute name="password" type="xs:string" />

    <xs:attribute name="expiryDate" type="xs:date" use="required" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	attribute	string	none	The user's login name.
password	attribute	string	none	The user's password.
expiryDate	attribute	date	required	The date that the user is no longer valid in the system.
ProfileDetails	element	Profile	optional	Detailed information about the profile.
UserGroup	element	UserGroup	optional	The user group, such as TAM, BOOKER, BOOKER2, or COMPANY.

UpdateAppUserResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="234234423" timeStamp="2006-03-13T11:14:20.078125-04:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="OWS" systemType="WEB" />
      <Authentication>
        <UserCredentials>
          <UserName>ONBEHALF</UserName>
          <UserPassword>F1D3LI0P@55</UserPassword>
          <Domain>GE FLORIDA</Domain>
          <SecurityId>1786836</SecurityId>
        </UserCredentials>
        <Licence>
          <Key>NQJ4I5RSJ7AG0ILEMIC4</Key>
        </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UpdateAppUserResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:0060b42d-2926-4401-8770-ba313264c1b9</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:42b5af10-57a8-4e6c-8623-5b951af44b50</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UpdateAppUserResponse xmlns:nm="http://webservices.micros.com/og/4.3/Name/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <NameID type="INTERNAL">0</NameID>
    </UpdateAppUserResponse>
  </soap:Body>
</soap:Envelope>
```

UpdateAppUserResponse

`<xs:complexType name="UpdateAppUserResponse">`
 	
`    <xs:annotation>`
 	
`        <xs:appinfo>`
 	
`            <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
`        </xs:appinfo>`
 	
`    </xs:annotation>`

```
<xs:sequence>

    <xs:element minOccurs="0" maxOccurs="1" name="Result"
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

    <xs:element minOccurs="0" maxOccurs="1" name="NameID"
        xmlns:q2="http://webservices.micros.com/og/4.3/Common/" type="q2:UniqueID" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of a transaction.
NameID	element	UniqueID	optional	The company name, which is required for on-behalf booking messages.

UpdateAppUserPassword

Updates the user's password given the application user's loginName, oldPassword, and newPassword. This allows users to change their passwords without logging into the application. A Success or Error Result is returned.

Note: This web function requires that the OWS application parameter Secured Mode is enabled.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#UpdateAppUserPassword

UpdateAppUserPasswordRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<!-- edited with XML Spy v4.4 U (http://www.xmlspy.com) by Vaishali Dihenia (Micros Systems) -->
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="234234423" timeStamp="2006-03-13T16:14:20.0781250+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="OWS" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                        <Authentication>
                                <UserCredentials>
                                        <UserName>VDIHENIA</UserName>
                                        <UserPassword>XYZ1234</UserPassword>
                                        <Domain>SEFIVE</Domain>
                                </UserCredentials>
                        </Authentication>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <UpdateAppUserPasswordRequest
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
                        <loginName>VDIHENIA</loginName>
                        <oldPassword>XYZ1234</oldPassword>
                        <newPassword>DEF1234</newPassword>
                </UpdateAppUserPasswordRequest>
        </soap:Body>
</soap:Envelope>
```

UpdateAppUserPasswordRequest

`<xs:complexType name="UpdateAppUserPasswordRequest">`
 	
 `<xs:sequence>`
 	
 `<xs:element minOccurs="0" maxOccurs="1" name="loginName" type="xs:string" />`
 	
 `<xs:element minOccurs="0" maxOccurs="1" name="oldPassword" type="xs:string" />`

```
        <xs:element minOccurs="0" maxOccurs="1" name="newPassword" type="xs:string" />

    </xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	element	string	required	The login name of the user.
oldPassword	element	string	required	The old password value.
newPassword	element	string	required	The new password value.

UpdateAppUserPasswordResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
 <soap:Header>
  <OGHeader transactionID="349867895392" timeStamp="2009-03-02T15:44:49.9375-05:00"
    primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
    <Origin entityID="OWS" systemType="ORS" />
    <Destination entityID="WEST" systemType="WEB" />
  </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UpdatePasswordResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:cd7fe5e3-10cb-4d8f-ade6-2b8c2ba4dca7</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:d60ed407-f7f7-4192-8aeb-5af8ef373687</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
 </soap:Header>
 <soap:Body>
  <UpdateAppUserPasswordResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
  xmlns="
  http://webservices.micros.com/ows/5.1/Security.wsdl">
  <Result resultStatusFlag="SUCCESS" />
  </UpdateAppUserPasswordResponse>
 </soap:Body>
</soap:Envelope>
```

UpdateAppUserPasswordResponse

```
<xs:complexType name="UpdateAppUserPasswordResponse">

   <xs:sequence>

     <xs:element minOccurs="0" maxOccurs="1" name="Result"
         xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

   </xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of a transaction.

UpdatePassword

Modifies the login password, given the membership number, last name, old password (if not a new user), and new password.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#UpdatePassword

UpdatePasswordRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="349867895392" timeStamp="2009-03-
02T21:44:49.9375000+01:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                                </OGHeader>
        </soap:Header>
        <soap:Body>
                <UpdatePasswordRequest membershipNumber="KRAWAT" oldPassword="MICROS1"
newPassword="OPERA33" xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

UpdatePasswordRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="349867895392" timeStamp="2009-03-
02T21:44:49.9375000+01:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                                </OGHeader>
        </soap:Header>
        <soap:Body>
                <UpdatePasswordRequest membershipNumber="KRAWAT" oldPassword="MICROS1"
newPassword="OPERA33" userDomain="PADMES"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

UpdatePasswordRequest

`<xs:complexType name="UpdatePasswordRequest">`
 	
`<xs:attribute name="membershipNumber" type="xs:string" />`

```
    <xs:attribute name="lastName" type="xs:string" />

    <xs:attribute name="oldPassword" type="xs:string" />

    <xs:attribute name="newPassword" type="xs:string" />

    <xs:attribute name="userDomain" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
membershipNumber	attribute	string	none	The membership number of the guest.
lastName	attribute	string	none	The guest's last name.
oldPassword	attribute	string	none	The old password value, if it exists. In the case of a newly enrolled guest, this value may be omitted. However, if this is a true change to an existing non-null value, the attribute becomes required.
newPassword	attribute	string	none	The new password value.
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.

UpdatePasswordResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="349867895392" timeStamp="2009-03-02T15:44:49.9375-05:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UpdatePasswordResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:cd7fe5e3-10cb-4d8f-ade6-2b8c2ba4dca7</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:d60ed407-f7f7-4192-8aeb-5af8ef373687</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UpdatePasswordResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </UpdatePasswordResponse>
  </soap:Body>
</soap:Envelope>
```

UpdatePasswordResponse for User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="349867895392" timeStamp="2009-03-02T15:44:49.9375-05:00"
primaryLangID="E" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UpdatePasswordResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:cd7fe5e3-10cb-4d8f-ade6-2b8c2ba4dca7</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:d60ed407-f7f7-4192-8aeb-5af8ef373687</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UpdatePasswordResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </UpdatePasswordResponse>
  </soap:Body>
</soap:Envelope>
```

UpdatePasswordResponse

```
<xs:complexType name="UpdatePasswordResponse">

    <xs:annotation>

        <xs:appinfo>

        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>

    </xs:appinfo>

</xs:annotation>

<xs:sequence>

    <xs:element minOccurs="0" maxOccurs="1" name="Result"
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of a transaction.

UpdateQuestion

Modifies the answer to a user's chosen secret question, given the name identifier, pre-defined question identifier, and new answer.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#UpdateQuestion

UpdateQuestionRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
 <soap:Header>
  <OGHeader transactionID="114329" timeStamp="2009-03-02T21:53:17.9218750+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
   <Origin entityID="WEST" systemType="WEB" />
   <Destination entityID="OWS" systemType="ORS" />
  </OGHeader>
 </soap:Header>
 <soap:Body>
  <UpdateQuestionRequest xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
   <NameID type="INTERNAL">194600</NameID>
   <Question>004</Question>
   <Answer>Bombay</Answer>
  </UpdateQuestionRequest>
 </soap:Body>
</soap:Envelope>
```

UpdateQuestionRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
 <soap:Header>
  <OGHeader transactionID="114329" timeStamp="2009-03-02T21:53:17.9218750+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
   <Origin entityID="WEST" systemType="WEB" />
   <Destination entityID="OWS" systemType="ORS" />
  </OGHeader>
 </soap:Header>
 <soap:Body>
  <UpdateQuestionRequest userDomain="PADMES"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
   <NameID type="INTERNAL">194600</NameID>
   <Question>004</Question>
   <Answer>Bombay</Answer>
  </UpdateQuestionRequest>
 </soap:Body>
</soap:Envelope>
```

UpdateQuestionRequest

```
<xs:complexType name="UpdateQuestionRequest">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="NameID"
            xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:UniqueID" />

        <xs:element minOccurs="0" maxOccurs="1" name="Question"
            xmlns:q2="http://webservices.micros.com/ows/5.1/Security.wsdl" type="q2:Question" />

        <xs:element minOccurs="0" maxOccurs="1" name="Answer" type="xs:string" />

    </xs:sequence>

    <xs:attribute name="userDomain" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.
NameID	element	UniqueID	optional	A UniqueID element representing the authenticated NameID of the guest changing their question.
Question	element	Question	optional	A question element, of which only the ID is required.
Answer	element	string	optional	The proposed new answer.

UpdateQuestionResponse

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="114329" timeStamp="2009-03-02T15:53:17.921875-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UpdateQuestionResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:0cac5ed9-66a5-41f7-b0ec-c07404b45cac</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:8b31dd79-3986-4ae2-927c-c60b4fa2b174</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UpdateQuestionResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </UpdateQuestionResponse>
  </soap:Body>
</soap:Envelope>
```

UpdateQuestionResponse for User Domain

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="114329" timeStamp="2009-03-02T15:53:17.921875-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UpdateQuestionResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:0cac5ed9-66a5-41f7-b0ec-c07404b45cac</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:8b31dd79-3986-4ae2-927c-c60b4fa2b174</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UpdateQuestionResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </UpdateQuestionResponse>
  </soap:Body>
</soap:Envelope>
```

UpdateQuestionResponse

```
<xs:complexType name="UpdateQuestionResponse">

    <xs:annotation>

        <xs:appinfo>

        <keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>

    </xs:appinfo>

</xs:annotation>

<xs:sequence>

    <xs:element minOccurs="0" maxOccurs="1" name="Result"
        xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

</xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure of the transaction.

UserAccountLock

Performs a lock or unlock operation on a user account, given the login name and the lock action type.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#UserAccountLock

UserAccountLockRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="09709" timeStamp="2009-03-13T11:12:37.3437500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <UserAccountLockRequest loginName="DDIXON" lockAction="LOCK"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

UserAccountLockRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <soap:Header>
                <OGHeader transactionID="09709" timeStamp="2009-03-13T11:12:37.3437500+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
                        <Origin entityID="WEST" systemType="WEB"/>
                        <Destination entityID="OWS" systemType="ORS"/>
                </OGHeader>
        </soap:Header>
        <soap:Body>
                <UserAccountLockRequest loginName="DDIXON" lockAction="LOCK"
userDomain="PADMES" xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl"/>
        </soap:Body>
</soap:Envelope>
```

UserAccountLockRequest

`<xs:complexType name="UserAccountLockRequest">`
 	
`   <xs:attribute name="loginName" type="xs:string" />`
 	
`   <xs:attribute name="lockAction" xmlns:q1="http://webservices.micros.com/og/4.3/Security/"`
`      type="q1:UserAccountLockSettingType" use="required" />`

```
    <xs:attribute name="userDomain" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
loginName	attribute	string	none	The login name.
lockAction	attribute	UserAccountLockSettingType	required	The user account lock setting.
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.

UserAccountLockResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="09709" timeStamp="2009-03-13T06:12:37.34375-04:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UserAccountLockResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:86c261ec-3c61-4bc5-8b1e-c72c27600ba8</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:c15d9fc3-395c-4e86-9109-61f23fd7afbd</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UserAccountLockResponse xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </UserAccountLockResponse>
  </soap:Body>
</soap:Envelope>
```

UserAccountLockResponse for User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="09709" timeStamp="2009-03-13T06:12:37.34375-04:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#UserAccountLockResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:86c261ec-3c61-4bc5-8b1e-c72c27600ba8</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:c15d9fc3-395c-4e86-9109-61f23fd7afbd</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <UserAccountLockResponse xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
    </UserAccountLockResponse>
  </soap:Body>
</soap:Envelope>
```

UserAccountLockResponse

```
<xs:complexType name="UserAccountLockResponse">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="Result"
            xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />

    </xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	An indication of the success or failure of the called function.

ValidateQuestion

Validates a user answer to a chosen special question and returns the password, given the membership number, question identifier, and an answer.

Soap Action: http://webservices.micros.com/ows/5.1/Security.wsdl#ValidateQuestion

ValidateQuestionRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="238675129086" timeStamp="2009-03-02T21:47:22.0000000+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
      <Authentication>
        <UserCredentials>
          <UserName>ONBEHALF</UserName>
          <UserPassword>F1D3LI0P@55</UserPassword>
          <Domain>GE FLORIDA</Domain>
          <SecurityId>1786836</SecurityId>
        </UserCredentials>
        <Licence>
          <Key>NQJ4I5RSJ7AG0ILEMIC4</Key>
        </Licence>
      </Authentication>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <ValidateQuestionRequest membershipNumber="DDIXON"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Question questionId="004" />
          <Answer>BOMBAY</Answer>
      </ValidateQuestionRequest>
  </soap:Body>
</soap:Envelope>
```

ValidateQuestionRequest with User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="238675129086" timeStamp="2009-03-02T21:47:22.0000000+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB" />
      <Destination entityID="OWS" systemType="ORS" />
      <Authentication>
        <UserCredentials
```

```xml
      <UserName>ONBEHALF</UserName>
      <UserPassword>F1D3LI0P@55</UserPassword>
      <Domain>GE FLORIDA</Domain>
      <SecurityId>1786836</SecurityId>
    </UserCredentials>
    <Licence>
      <Key>NQJ4I5RSJ7AG0ILEMIC4</Key>
    </Licence>
   </Authentication>
  </OGHeader>
 </soap:Header>
 <soap:Body>
  <ValidateQuestionRequest membershipNumber="DDIXON" userDomain="PADMES"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
    <Question questionId="004" />
        <Answer>BOMBAY</Answer>
     </ValidateQuestionRequest>
  </soap:Body>
</soap:Envelope>
```

ValidateQuestionRequest

```
<xs:complexType name="ValidateQuestionRequest">

   <xs:sequence>

      <xs:element minOccurs="0" maxOccurs="1" name="Question"
         xmlns:q1="http://webservices.micros.com/ows/5.1/Security.wsdl" type="q1:Question" />

      <xs:element minOccurs="0" maxOccurs="1" name="Answer" type="xs:string" />

   </xs:sequence>

   <xs:attribute name="membershipNumber" type="xs:string" />

   <xs:attribute name="userDomain" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
membershipNumber	attribute	string	none	The membership number of the guest seeking to retrieve the password.
userDomain	attribute	string	none	The domain (chain code) for the web user's login account.
Question	element	Question	optional	The membership number of the guest seeking to retrieve the

				password.
Answer	element	string	optional	The text value of the answer to be validated.

ValidateQuestionResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="238675129086" timeStamp="2009-03-02T15:47:22-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
      <Destination entityID="WEST" systemType="WEB" />
      <Authentication>
        <UserCredentials>
          <UserName>ONBEHALF</UserName>
          <UserPassword>F1D3LI0P@55</UserPassword>
          <Domain>GE FLORIDA</Domain>
          <SecurityId>1786836</SecurityId>
        </UserCredentials>
        <Licence>
          <Key>NQJ4I5RSJ7AG0ILEMIC4</Key>
        </Licence>
      </Authentication>
    </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#ValidateQuestionResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:c296a14b-2d0c-43c2-9837-f2c3ac1fa4b8</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:71fadbcc-ef29-4664-b4d9-3070a4382b90</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
    <ValidateQuestionResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
      <Result resultStatusFlag="SUCCESS" />
      <Password>OPERA33</Password>
    </ValidateQuestionResponse>
  </soap:Body>
</soap:Envelope>
```

ValidateQuestionResponse for User Domain

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <soap:Header>
    <OGHeader transactionID="238675129086" timeStamp="2009-03-02T15:47:22-05:00" primaryLangID="E"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS" />
```

```
    <Destination entityID="WEST" systemType="WEB" />
    <Authentication>
     <UserCredentials>
      <UserName>ONBEHALF</UserName>
      <UserPassword>F1D3LI0P@55</UserPassword>
      <Domain>GE FLORIDA</Domain>
      <SecurityId>1786836</SecurityId>
     </UserCredentials>
     <Licence>
      <Key>NQJ4I5RSJ7AG0ILEMIC4</Key>
     </Licence>
    </Authentication>
   </OGHeader>
<wsa:Action>http://webservices.micros.com/ows/5.1/Security.wsdl#ValidateQuestionResponse</wsa:Action>
   <wsa:MessageID>urn:uuid:c296a14b-2d0c-43c2-9837-f2c3ac1fa4b8</wsa:MessageID>
   <wsa:RelatesTo>urn:uuid:71fadbcc-ef29-4664-b4d9-3070a4382b90</wsa:RelatesTo>
   <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
  </soap:Header>
  <soap:Body>
   <ValidateQuestionResponse xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Security.wsdl">
    <Result resultStatusFlag="SUCCESS" />
    <Password>OPERA33</Password>
   </ValidateQuestionResponse>
  </soap:Body>
</soap:Envelope>
```

ValidateQuestionResponse

`<xs:complexType name="ValidateQuestionResponse">`
 	
  `<xs:annotation>`
 	
    `<xs:appinfo>`
 	
    `<keepNamespaceDeclarations>xsn</keepNamespaceDeclarations>`
 	
  `</xs:appinfo>`
 	
`</xs:annotation>`
 	
`<xs:sequence>`
 	
  `<xs:element minOccurs="0" maxOccurs="1" name="Result"`
     `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ResultStatus" />`
 	
  `<xs:element minOccurs="0" maxOccurs="1" name="Password" type="xs:string" />`
 	
`</xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	optional	A primary indication of the success or failure

				of the transaction.
Password	element	string	optional	The password value returned as a result of the validation process.

Complex and Simple Type Definitions

Address

Address

`<xs:complexType name="Address">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="unbounded" name="AddressLine" type="xs:string" />`
 	
        `<xs:element minOccurs="0" maxOccurs="1" name="cityName" type="xs:string" />`
 	
        `<xs:element minOccurs="0" maxOccurs="1" name="stateProv" type="xs:string" />`
 	
        `<xs:element minOccurs="0" maxOccurs="1" name="countryCode" type="xs:string" />`
 	
        `<xs:element minOccurs="0" maxOccurs="1" name="postalCode" type="xs:string" />`
 	
    `</xs:sequence>`
 	
    `<xs:attribute name="addressType" type="xs:string" />`
 	
    `<xs:attribute name="otherAddressType" type="xs:string" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
addressType	attribute	string	none	The address type.
otherAddressType	attribute	string	none	The other address type.
AddressLine	element	string	optional / multiple	The street address.
cityName	element	string	optional	The city.
stateProv	element	string	optional	The state.
countryCode	element	string	optional	The country code.
postalCode	element	string	optional	The zip code.

ApplicationUserGroup

ApplicationUserGroup

`<xs:complexType name="ApplicationUserGroup">`
 	
`    <xs:attribute name="GroupID" type="xs:string" />`
 	
`    <xs:attribute name="GroupName" type="xs:string" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
GroupID	attribute	string	none	The ID of the application user group.
GroupName	attribute	string	none	The name of the application user group.

ArrayOfApplicationUserGroup

ArrayOfApplicationUserGroup

`<xs:complexType name="ArrayOfApplicationUserGroup">`
 	
`    <xs:sequence>`
 	
`        <xs:element minOccurs="0" maxOccurs="unbounded" name="ApplicationUserGroup"`
`            xmlns:q1="http://webservices.micros.com/og/4.3/Security/" type="q1:ApplicationUserGroup" />`
 	
`    </xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
ApplicationUserGroup	element	ApplicationUserGroup	optional / multiple	A collection of application user group elements.

ArrayOfComment

ArrayOfComment
`<xs:complexType name="ArrayOfComment">`

```
    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="unbounded" name="Comment"
            xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:Comment" />

    </xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Comment	element	Comment	optional / multiple	A collection of comment elements.

ArrayOfGovernmentID

ArrayOfGovernmentID

`<xs:complexType name="ArrayOfGovernmentID">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="unbounded" name="GovernmentID"`
            `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:GovernmentID" />`
 	
    `</xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
GovernmentID	element	GovernmentID	optional / multiple	A collection of GovernmentID elements.

ArrayOfIDPair

ArrayOfIDPair

`<xs:complexType name="ArrayOfIDPair">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="IDPair"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:IDPair" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
IDPair	element	IDPair	optional / multiple	A collection of IDPair elements.

ArrayOfNameAddress

ArrayOfNameAddress

`<xs:complexType name="ArrayOfNameAddress">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="NameAddress"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:NameAddress" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
NameAddress	element	NameAddress	optional / multiple	A collection of NameAddress elements.

ArrayOfNameCreditCard

ArrayOfNameCreditCard				

`<xs:complexType name="ArrayOfNameCreditCard">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="NameCreditCard"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:NameCreditCard" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
NameCreditCard	element	NameCreditCard	optional / multiple	A collection of NameCreditCard elements.

ArrayOfNameEmail

ArrayOfNameEmail				

`<xs:complexType name="ArrayOfNameEmail">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="NameEmail"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:NameEmail" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
NameEmail	element	NameEmail	optional / multiple	A collection of NameEmail elements.

ArrayOfNameMembership

ArrayOfNameMembership				

`<xs:complexType name="ArrayOfNameMembership">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="NameMembership"`
        `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:NameMembership" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
NameMembership	element	NameMembership	optional / multiple	Name Membership information.

ArrayOfNamePhone

ArrayOfNamePhone				

`<xs:complexType name="ArrayOfNamePhone">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="unbounded" name="NamePhone"`
            `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:NamePhone" />`
 	
    `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
NamePhone	element	NamePhone	optional / multiple	Phone number information.

ArrayOfNegotiatedRate

ArrayOfNegotiatedRate				

`<xs:complexType name="ArrayOfNegotiatedRate">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="unbounded" name="NegotiatedRate"`
            `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:NegotiatedRate" />`
 	
    `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
NegotiatedRate	element	NegotiatedRate	optional / multiple	A collection of NegotiatedRate elements.

ArrayOfPreference

ArrayOfPreference				

`<xs:complexType name="ArrayOfPreference">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="Preference"`
        `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:Preference" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
Preference	element	Preference	optional / multiple	A collection of Preference elements.

ArrayOfPrivacyOptionType

ArrayOfPrivacyOptionType				

`<xs:complexType name="ArrayOfPrivacyOptionType">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="PrivacyOption"`
        `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:PrivacyOptionType" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
PrivacyOption	element	PrivacyOptionType	optional / multiple	A collection of PrivacyOptionType elements.

ArrayOfQuestion

ArrayOfQuestion

`<xs:complexType name="ArrayOfQuestion">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="Question"`
         `xmlns:q1="http://webservices.micros.com/ows/5.1/Security.wsdl" type="q1:Question" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
Question	element	Question	optional / multiple	A collection of Question elements.

ArrayOfText

ArrayOfText

`<xs:complexType name="ArrayOfText">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="TextElement"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:Text" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
TextElement	element	Text	optional / multiple	An element list container for TextElement types. The TextElements contain the actual string value representing the errors, if any.

ArrayOfTextElement

ArrayOfTextElement				

`<xs:complexType name="ArrayOfTextElement">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="TextElement" nillable="true"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:TextElement" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
TextElement	element	TextElement	optional / multiple	

ArrayOfUniqueID

ArrayOfUniqueID				

`<xs:complexType name="ArrayOfUniqueID">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="UniqueID"`
         `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:UniqueID" />`
 	
   `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
UniqueID	element	UniqueID	optional / multiple	A collection of UniqueID elements.

ArrayOfUserDefinedValue

ArrayOfUserDefinedValue				

`<xs:complexType name="ArrayOfUserDefinedValue">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="unbounded" name="UserDefinedValue"`
            `xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:UserDefinedValue" />`
 	
    `</xs:sequence>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
UserDefinedValue	element	UserDefinedValue	optional / multiple	A collection of UserDefinedValue elements.

ArrayOfUserGroupItem

ArrayOfUserGroupItem				

`<xs:complexType name="ArrayOfUserGroupItem">`
 	
 `<xs:sequence>`
 	
 `<xs:element minOccurs="0" maxOccurs="unbounded" name="UserGroup"`
 `xmlns:q1="http://webservices.micros.com/og/4.3/Security/" type="q1:UserGroupItem" />`
 	
 `</xs:sequence>`
 	
 `</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
UserGroup	element	UserGroupItem	optional / multiple	A collection of UserGroup elements.

ArrayOfUserSystemRightsProfile

ArrayOfUserSystemRightsProfile				

`<xs:complexType name="ArrayOfUserSystemRightsProfile">`
 	
 `<xs:sequence>`
 	
 `<xs:element minOccurs="0" maxOccurs="unbounded" name="SystemRights"`
 `xmlns:q1="http://webservices.micros.com/og/4.3/Security/" type="q1:UserSystemRightsProfile" />`
 	
 `</xs:sequence>`
 	
 `</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
SystemRights	element	UserSystemRightsProfile	optional / multiple	System rights information.

BlackList

BlackList

`<xs:complexType name="BlackList">`
 	
   `<xs:simpleContent>`
 	
      `<xs:extension base="xs:string">`
 	
         `<xs:attribute name="flag" xmlns:q1="http://webservices.micros.com/og/4.3/Common/"`
            `type="q1:BlackListFlag" />`
 	
      `</xs:extension>`
 	
   `</xs:simpleContent>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
BlackList	extension	string		The blacklist flag.
flag	attribute	BlackListFlag	none	The possible values are REMOVE and SET.

BlackListFlag

BlackListFlag

`<xs:simpleType name="BlackListFlag">`
 	
   `<xs:restriction base="xs:string">`
 	
      `<xs:enumeration value="REMOVE" />`
 	
      `<xs:enumeration value="SET" />`
 	
   `</xs:restriction>`
 	
`</xs:simpleType>`

Name	Type	Data Type	Use	Comments
BlackListFlag	enumeration	string		The possible values are REMOVE and SET.

Comment

Comment
``` <xs:complexType name="Comment">   <xs:complexContent mixed="false">   <xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:DescriptiveText">   <xs:attribute name="operaId" type="xs:long" />   <xs:attribute name="externalId" type="xs:string" />   <xs:attribute name="commentTitle" type="xs:string" />   <xs:attribute name="insertUser" type="xs:string" />   <xs:attribute name="insertDate" type="xs:dateTime" />   <xs:attribute name="updateUser" type="xs:string" />   <xs:attribute name="updateDate" type="xs:dateTime" />   <xs:attribute name="inactiveDate" type="xs:date" />   </xs:extension>   </xs:complexContent> </xs:complexType> ```

Name	Type	Data Type	Use	Comments
Comment	extension	DescriptiveText		Free-form text.
operaId	attribute	long	none	The Opera ID.
externalId	attribute	string	none	The external ID.
commentTitle	attribute	string	none	The comment title.
insertUser	attribute	string	none	The user who added the comment.
insertDate	attribute	dateTime	none	The date the comment was inserted.
updateUser	attribute	string	none	The user who updated the comment.
updateDate	attribute	dateTime	none	The date updated.

inactiveDate	attribute	date	none	The inactive date.

Company

Company				

`<xs:complexType name="Company">`
 	
  `<xs:sequence>`
 	
    `<xs:element minOccurs="0" maxOccurs="1" name="CompanyName" type="xs:string" />`
 	
    `<xs:element minOccurs="1" maxOccurs="1" name="CompanyType"`
       `xmlns:q1="http://webservices.micros.com/og/4.3/Name/" type="q1:CompanyCompanyType" />`
 	
    `<xs:element minOccurs="0" maxOccurs="1" name="CompanyID" type="xs:string" />`
 	
  `</xs:sequence>`
 	
  `<xs:attribute name="commissionCode" type="xs:string" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
commissionCode	attribute	string	none	Not used in this context.
CompanyName	element	string	optional	The name of the company.
CompanyType	element	CompanyCompanyType	required	An enumerated value, such as TRAVEL_AGENT or COMPANY.
CompanyID	element	string	optional	Not used in this context.

CompanyCompanyType

CompanyCompanyType
`<xs:simpleType name="CompanyCompanyType">`
`<xs:restriction base="xs:string">`
`<xs:enumeration value="TRAVEL_AGENT" />`
`<xs:enumeration value="COMPANY" />`
`<xs:enumeration value="SOURCE" />`
`</xs:restriction>`
`</xs:simpleType>`

Name	Type	Data Type	Use	Comments
CompanyCompanyType	enumeration	string		The possible values are TRAVEL_AGENT, COMPANY, and SOURCE.

CreditCard

CreditCard
`<xs:complexType name="CreditCard">`
`<xs:sequence>`
`<xs:element minOccurs="0" maxOccurs="1" name="cardCode" type="xs:string" />`
`<xs:element minOccurs="0" maxOccurs="1" name="cardHolderName" type="xs:string" />`
`<xs:element minOccurs="0" maxOccurs="1" name="cardNumber" type="xs:string" />`
`<xs:element minOccurs="0" maxOccurs="1" name="seriesCode" type="xs:string" />`
`<xs:element minOccurs="0" maxOccurs="1" name="effectiveDate" type="xs:date" />`
`<xs:element minOccurs="1" maxOccurs="1" name="expirationDate" type="xs:date" />`
`</xs:sequence>`
`<xs:attribute name="cardType" type="xs:string" />`
`<xs:attribute name="otherCardType" type="xs:string" />`

Name	Type	Data Type	Use	Comments
`</xs:complexType>`				
cardType	attribute	string	none	The credit card type.
otherCardType	attribute	string	none	The other card type.
cardCode	element	string	optional	The card code.
cardHolderName	element	string	optional	The card holder's name.
cardNumber	element	string	optional	The credit card number.
seriesCode	element	string	optional	The card series code.
effectiveDate	element	date	optional	The effective date of the credit card.
expirationDate	element	date	required	The credit card expiration date.

Customer

Customer

```
<xs:complexType name="Customer">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="PersonName"
            xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:PersonName" />

        <xs:element minOccurs="0" maxOccurs="1" name="NativeName"
            xmlns:q2="http://webservices.micros.com/og/4.3/Name/" type="q2:NativeName" />

        <xs:element minOccurs="0" maxOccurs="1" name="BusinessTitle" type="xs:string" />

        <xs:element minOccurs="0" maxOccurs="1" name="GovernmentIDList"
            xmlns:q3="http://webservices.micros.com/og/4.3/Common/" type="q3:ArrayOfGovernmentID" />

    </xs:sequence>

    <xs:attribute name="gender" xmlns:q4="http://webservices.micros.com/og/4.3/Common/" type="q4:Gender" />

    <xs:attribute name="birthDate" type="xs:date" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
gender	attribute	Gender	none	The gender.
birthDate	attribute	date	none	The customer's date of birth.
PersonName	element	PersonName	optional	The first name.
NativeName	element	NativeName	optional	The last name.
BusinessTitle	element	string	optional	The title.
GovernmentIDList	element	ArrayOfGovernmentID	optional	Optional.

DescriptiveText

DescriptiveText
``<xs:complexType name="DescriptiveText">
<xs:sequence>
<xs:choice minOccurs="1" maxOccurs="1">
<xs:element minOccurs="0" maxOccurs="1" name="Image" type="xs:string" />
<xs:element minOccurs="0" maxOccurs="1" name="Text"
xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ArrayOfTextElement" />
<xs:element minOccurs="0" maxOccurs="1" name="Url" type="xs:anyURI" />
</xs:choice>
</xs:sequence>
</xs:complexType>```

Name	Type	Data Type	Use	Comments
Image	element	string	optional	The image file.
Text	element	ArrayOfTextElement	optional	Free-form text.
Url	element	anyURI	optional	The URL.

FunctionNameType

FunctionNameType
<xs:simpleType name="FunctionNameType">   <xs:restriction base="xs:string">   <xs:enumeration value="FetchBooking" />   <xs:enumeration value="CancelBooking" />   <xs:enumeration value="ModifyBooking" />   <xs:enumeration value="CreateBooking" />   <xs:enumeration value="FutureBooking" />   </xs:restriction>   </xs:simpleType>

Name	Type	Data Type	Use	Comments
FunctionNameType	enumeration	string		The possible values are FetchBooking, CancelBooking, ModifyBooking, CreateBooking, and FutureBooking.

Gender

Gender
<xs:simpleType name="Gender">   <xs:restriction base="xs:string">   <xs:enumeration value="FEMALE" />   <xs:enumeration value="MALE" />   <xs:enumeration value="UNKNOWN" />   </xs:restriction>   </xs:simpleType>

Name	Type	Data Type	Use	Comments
Gender	enumeration	string		The possible values are FEMALE, MALE, and UNKNOWN.

GovernmentID

GovernmentID				

`<xs:complexType name="GovernmentID">`
 	
    `<xs:attribute name="documentType" type="xs:string" />`
 	
    `<xs:attribute name="documentNumber" type="xs:string" />`
 	
    `<xs:attribute name="effectiveDate" type="xs:date" />`
 	
    `<xs:attribute name="expirationDate" type="xs:date" />`
 	
    `<xs:attribute name="placeOfIssue" type="xs:string" />`
 	
    `<xs:attribute name="countryOfIssue" type="xs:string" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
documentType	attribute	string	none	The document number type.
documentNumber	attribute	string	none	The document number.
effectiveDate	attribute	date	none	The effective date.
expirationDate	attribute	date	none	The expiration date.
placeOfIssue	attribute	string	none	The place of issue.
countryOfIssue	attribute	string	none	The issuing country.

IDPair

<table>
<tr><td colspan="5">IDPair</td></tr>
<tr><td colspan="5">

```
<xs:complexType name="IDPair">

    <xs:attribute name="idType" type="xs:string" />

    <xs:attribute name="operaId" type="xs:long" />

    <xs:attribute name="externalId" type="xs:string" />

</xs:complexType>
```

</td></tr>
<tr><td>Name</td><td>Type</td><td>Data Type</td><td>Use</td><td>Comments</td></tr>
<tr><td>idType</td><td>attribute</td><td>string</td><td>none</td><td>The ID type.</td></tr>
<tr><td>operaId</td><td>attribute</td><td>long</td><td>none</td><td>The internal Opera ID.</td></tr>
<tr><td>externalId</td><td>attribute</td><td>string</td><td>none</td><td>The external ID.</td></tr>
</table>

Membership

Membership
| ```
<xs:complexType name="Membership">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="membershipType" type="xs:string" />

        <xs:element minOccurs="0" maxOccurs="1" name="membershipNumber" type="xs:string" />

        <xs:element minOccurs="0" maxOccurs="1" name="membershipLevel" type="xs:string" />

        <xs:element minOccurs="0" maxOccurs="1" name="memberName" type="xs:string" />

        <xs:element minOccurs="0" maxOccurs="1" name="effectiveDate" type="xs:date" />

        <xs:element minOccurs="0" maxOccurs="1" name="expirationDate" type="xs:date" />

        <xs:element minOccurs="0" maxOccurs="1" name="currentPoints" type="xs:long" />

        <xs:element minOccurs="0" maxOccurs="1" name="enrollmentCode" type="xs:string" />

    </xs:sequence>

</xs:complexType>
``` |

Name	Type	Data Type	Use	Comments
membershipType	element	string	optional	The membership type code.
membershipNumber	element	string	optional	The membership number.
membershipLevel	element	string	optional	The membership level.
memberName	element	string	optional	The name on the face of the membership card.
effectiveDate	element	date	optional	The effective date of the membership.
expirationDate	element	date	optional	The expiration date of the current membership.
currentPoints	element	long	optional	The current point value for the selected

				membership.
enrollmentCode	element	string	optional	

ModuleNameType

ModuleNameType

`<xs:simpleType name="ModuleNameType">`
 	
    `<xs:restriction base="xs:string">`
 	
        `<xs:enumeration value="Membership" />`
 	
        `<xs:enumeration value="Availability" />`
 	
        `<xs:enumeration value="Name" />`
 	
        `<xs:enumeration value="Reservation" />`
 	
        `<xs:enumeration value="Information" />`
 	
        `<xs:enumeration value="Brochure" />`
 	
        `<xs:enumeration value="StayHistory" />`
 	
    `</xs:restriction>`
 	
`</xs:simpleType>`

Name	Type	Data Type	Use	Comments
ModuleNameType	enumeration	string		The possible values are Membership, Availability, Name, Reservation, Information, Brochure, and StayHistory.

NameAddress

NameAddress

```
<xs:complexType name="NameAddress">

    <xs:complexContent mixed="false">

        <xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:Address">

            <xs:attribute name="operaId" type="xs:long" />

            <xs:attribute name="externalId" type="xs:string" />

            <xs:attribute name="primary" type="xs:boolean" />

            <xs:attribute name="displaySequence" type="xs:int" />

            <xs:attribute name="insertUser" type="xs:string" />

            <xs:attribute name="insertDate" type="xs:dateTime" />

            <xs:attribute name="updateUser" type="xs:string" />

            <xs:attribute name="updateDate" type="xs:dateTime" />

            <xs:attribute name="inactiveDate" type="xs:date" />

        </xs:extension>

    </xs:complexContent>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
NameAddress	extension	Address		The address name.
operaId	attribute	long	none	The Opera ID.
externalId	attribute	string	none	The external ID.
primary	attribute	boolean	none	An indication of whether or not this is the primary address.
displaySequence	attribute	int	none	The order in which the address appears in an ordered list.
insertUser	attribute	string	none	The insert user.

insertDate	attribute	dateTime	none	The insert date.
updateUser	attribute	string	none	The update user.
updateDate	attribute	dateTime	none	The update date.
inactiveDate	attribute	date	none	The inactive date.

NameCreditCard

NameCreditCard

`<xs:complexType name="NameCreditCard">`
 	
   `<xs:complexContent mixed="false">`
 	
      `<xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:CreditCard">`
 	
         `<xs:attribute name="operaId" type="xs:long" />`
 	
         `<xs:attribute name="externalId" type="xs:string" />`
 	
         `<xs:attribute name="primary" type="xs:boolean" />`
 	
         `<xs:attribute name="displaySequence" type="xs:int" />`
 	
         `<xs:attribute name="insertUser" type="xs:string" />`
 	
         `<xs:attribute name="insertDate" type="xs:dateTime" />`
 	
         `<xs:attribute name="updateUser" type="xs:string" />`
 	
         `<xs:attribute name="updateDate" type="xs:dateTime" />`
 	
         `<xs:attribute name="inactiveDate" type="xs:date" />`
 	
      `</xs:extension>`
 	
   `</xs:complexContent>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
NameCreditCard	extension	CreditCard		The name on the credit card.
operaId	attribute	long	none	The Opera ID.
externalId	attribute	string	none	The external ID.

primary	attribute	boolean	none	An indication of whether or not this is the primary credit card.
displaySequence	attribute	int	none	The display sequence.
insertUser	attribute	string	none	The insert user.
insertDate	attribute	dateTime	none	The insert date.
updateUser	attribute	string	none	The update user.
updateDate	attribute	dateTime	none	The update date.
inactiveDate	attribute	date	none	The inactive date.

NameEmail

NameEmail

`<xs:complexType name="NameEmail">`
 	
 `<xs:simpleContent>`
 	
 `<xs:extension base="xs:string">`
 	
 `<xs:attribute name="operaId" type="xs:long" />`
 	
 `<xs:attribute name="externalId" type="xs:string" />`
 	
 `<xs:attribute name="primary" type="xs:boolean" />`
 	
 `<xs:attribute name="displaySequence" type="xs:int" />`
 	
 `<xs:attribute name="insertUser" type="xs:string" />`
 	
 `<xs:attribute name="insertDate" type="xs:dateTime" />`
 	
 `<xs:attribute name="updateUser" type="xs:string" />`
 	
 `<xs:attribute name="updateDate" type="xs:dateTime" />`
 	
 `<xs:attribute name="inactiveDate" type="xs:date" />`
 	
 `</xs:extension>`
 	
 `</xs:simpleContent>`
 	
 `</xs:complexType>`

Name	Type	Data Type	Use	Comments

NameEmail	extension	string		The NameEmail.
operaId	attribute	long	none	The Opera ID.
externalId	attribute	string	none	The external ID.
primary	attribute	boolean	none	An indication of whether or not this is the primary email.
displaySequence	attribute	int	none	The display sequence.
insertUser	attribute	string	none	The insert user.
insertDate	attribute	dateTime	none	The insert date.
updateUser	attribute	string	none	The update user.
updateDate	attribute	dateTime	none	The update date.
inactiveDate	attribute	date	none	The inactive date.

NameMembership

NameMembership

`<xs:complexType name="NameMembership">`
 	
  `<xs:complexContent mixed="false">`
 	
    `<xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:Membership">`
 	
      `<xs:attribute name="operaId" type="xs:long" />`
 	
      `<xs:attribute name="externalId" type="xs:string" />`
 	
      `<xs:attribute name="primary" type="xs:boolean" />`
 	
      `<xs:attribute name="preferred" type="xs:boolean" />`
 	
      `<xs:attribute name="central" type="xs:boolean" />`
 	
      `<xs:attribute name="membershipClass" type="xs:string" />`
 	
      `<xs:attribute name="pointsLabel" type="xs:string" />`
 	
      `<xs:attribute name="status" type="xs:string" />`
 	
      `<xs:attribute name="displaySequence" type="xs:int" />`
 	
      `<xs:attribute name="insertUser" type="xs:string" />`

```
        <xs:attribute name="insertDate" type="xs:dateTime" />

        <xs:attribute name="updateUser" type="xs:string" />

        <xs:attribute name="updateDate" type="xs:dateTime" />

        <xs:attribute name="inactiveDate" type="xs:date" />

    </xs:extension>

  </xs:complexContent>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
NameMembership	extension	Membership		A collection of NameMembership records retrieved for the subject profile.
operaId	attribute	long	none	The actual internal value assigned to this individual membership. It is returned by any calling system when attempting to update or delete this membership.
externalId	attribute	string	none	Not used in this context.
primary	attribute	boolean	none	An indication of whether or not this membership should be considered as the guest's primary membership.
preferred	attribute	boolean	none	An indication of whether or not this is a preferred memebership.
central	attribute	boolean	none	An indication of whether or not this membership is the central membeship.
membershipClass	attribute	string	none	The membership

				class.
pointsLabel	attribute	string	none	The points label.
status	attribute	string	none	The status.
displaySequence	attribute	int	none	If annotated, this is returned.
insertUser	attribute	string	none	The ID code of the user who originally inserted the record.
insertDate	attribute	dateTime	none	The date and time that the record was originally created.
updateUser	attribute	string	none	The ID code of the user who last updated the record.
updateDate	attribute	dateTime	none	The date and time the record was last modified.
inactiveDate	attribute	date	none	Not used in this context.

NamePhone

NamePhone

`<xs:complexType name="NamePhone">`
 	
   `<xs:complexContent mixed="false">`
 	
     `<xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:Phone">`
 	
       `<xs:attribute name="operaId" type="xs:long" />`
 	
       `<xs:attribute name="externalId" type="xs:string" />`
 	
       `<xs:attribute name="primary" type="xs:boolean" />`
 	
       `<xs:attribute name="displaySequence" type="xs:int" />`
 	
       `<xs:attribute name="insertUser" type="xs:string" />`
 	
       `<xs:attribute name="insertDate" type="xs:dateTime" />`

```
            <xs:attribute name="updateUser" type="xs:string" />

            <xs:attribute name="updateDate" type="xs:dateTime" />

            <xs:attribute name="inactiveDate" type="xs:date" />

        </xs:extension>

    </xs:complexContent>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
NamePhone	extension	Phone		The phone label, such as home or business.
operaId	attribute	long	none	The Opera ID.
externalId	attribute	string	none	The external ID.
primary	attribute	boolean	none	An indication of whether or not this is the primary phone.
displaySequence	attribute	int	none	The display sequence.
insertUser	attribute	string	none	The insert user.
insertDate	attribute	dateTime	none	The date inserted.
updateUser	attribute	string	none	The update user.
updateDate	attribute	dateTime	none	The update date.
inactiveDate	attribute	date	none	The inactive date.

NativeName

NativeName

`<xs:complexType name="NativeName">`
    `<xs:complexContent mixed="false">`
       `<xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:PersonName">`
          `<xs:attribute name="languageCode" type="xs:string" />`
       `</xs:extension>`

`</xs:complexContent>`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
NativeName	extension	PersonName		The person's native name.
languageCode	attribute	string	none	The language code.

NegotiatedRate

NegotiatedRate				

`<xs:complexType name="NegotiatedRate">`
 	
    `<xs:attribute name="operaId" type="xs:long" />`
 	
    `<xs:attribute name="resortCode" type="xs:string" />`
 	
    `<xs:attribute name="rateCode" type="xs:string" />`
 	
    `<xs:attribute name="commissionCode" type="xs:string" />`
 	
    `<xs:attribute name="beginDate" type="xs:date" />`
 	
    `<xs:attribute name="endDate" type="xs:date" />`
 	
    `<xs:attribute name="displaySequence" type="xs:int" />`
 	
    `<xs:attribute name="insertUser" type="xs:string" />`
 	
    `<xs:attribute name="insertDate" type="xs:dateTime" />`
 	
    `<xs:attribute name="updateUser" type="xs:string" />`
 	
    `<xs:attribute name="updateDate" type="xs:dateTime" />`
 	
    `<xs:attribute name="inactiveDate" type="xs:date" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
operaId	attribute	long	none	The Opera ID.
resortCode	attribute	string	none	The resort code.
rateCode	attribute	string	none	The rate code.

commissionCode	attribute	string	none	The commission code.
beginDate	attribute	date	none	The start date.
endDate	attribute	date	none	The end date.
displaySequence	attribute	int	none	The display sequence.
insertUser	attribute	string	none	The user who inserted the negotiated rate.
insertDate	attribute	dateTime	none	The date the negotiated rate was inserted.
updateUser	attribute	string	none	
updateDate	attribute	dateTime	none	The date the negotiated rate was updated.
inactiveDate	attribute	date	none	The inactive date.

PersonName

PersonName

`<xs:complexType name="PersonName">`
 	
   `<xs:sequence>`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="nameTitle" type="xs:string" />`
 	
      `<xs:element minOccurs="0" maxOccurs="1" name="firstName" type="xs:string" />`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="middleName" type="xs:string" />`
 	
      `<xs:element minOccurs="0" maxOccurs="1" name="lastName" type="xs:string" />`
 	
      `<xs:element minOccurs="0" maxOccurs="unbounded" name="nameSuffix" type="xs:string" />`
 	
   `</xs:sequence>`
 	
   `<xs:attribute name="nameOrdered" type="xs:string" />`
 	
   `<xs:attribute name="familiarName" type="xs:string" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments

nameOrdered	attribute	string	none	The sequence in whcih the name appears in an ordered list.
familiarName	attribute	string	none	The nickname.
nameTitle	element	string	optional / multiple	The name prefix, such as Mr. or Mrs.
firstName	element	string	optional	The first name.
middleName	element	string	optional / multiple	The middle name.
lastName	element	string	optional	The last name.
nameSuffix	element	string	optional / multiple	The name suffix, such as Jr. or Sr.

Phone

Phone

```
<xs:complexType name="Phone">

    <xs:sequence>

        <xs:choice minOccurs="1" maxOccurs="1">

            <xs:element minOccurs="0" maxOccurs="1" name="PhoneNumber" type="xs:string" />

            <xs:element minOccurs="0" maxOccurs="1" name="PhoneData"
                xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:PhonePhoneData" />

        </xs:choice>

    </xs:sequence>

    <xs:attribute name="phoneType" type="xs:string" />

    <xs:attribute name="phoneRole" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
phoneType	attribute	string	none	The type of phone.
phoneRole	attribute	string	none	The phone role.
PhoneNumber	element	string	optional	The phone number.

PhoneData	element	PhonePhoneData	optional	Information about the phone number, such as the country access code and the phone extension.

PhonePhoneData

PhonePhoneData

```
<xs:complexType name="PhonePhoneData">

    <xs:attribute name="countryAccessCode" type="xs:string" />

    <xs:attribute name="areaCode" type="xs:string" />

    <xs:attribute name="phoneNumber" type="xs:string" />

    <xs:attribute name="extension" type="xs:string" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
countryAccessCode	attribute	string	none	The country access code.
areaCode	attribute	string	none	The area code.
phoneNumber	attribute	string	none	The phone number.
extension	attribute	string	none	The extension.

Preference

Preference

```
<xs:complexType name="Preference">

    <xs:sequence>

        <xs:element minOccurs="0" maxOccurs="1" name="PreferenceDescription"
            xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:DescriptiveText" />

    </xs:sequence>
```

```
    <xs:attribute name="resortCode" type="xs:string" />

    <xs:attribute name="preferenceType" type="xs:string" />

    <xs:attribute name="otherPreferenceType" type="xs:string" />

    <xs:attribute name="preferenceValue" type="xs:string" />

    <xs:attribute name="insertUser" type="xs:string" />

    <xs:attribute name="insertDate" type="xs:dateTime" />

    <xs:attribute name="updateUser" type="xs:string" />

    <xs:attribute name="updateDate" type="xs:dateTime" />

    <xs:attribute name="inactiveDate" type="xs:date" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
resortCode	attribute	string	none	The resort code.
preferenceType	attribute	string	none	The preference type.
otherPreferenceType	attribute	string	none	The other preference type.
preferenceValue	attribute	string	none	The preference value.
insertUser	attribute	string	none	The insert user.
insertDate	attribute	dateTime	none	The date inserted.
updateUser	attribute	string	none	The update user.
updateDate	attribute	dateTime	none	The date updated.
inactiveDate	attribute	date	none	The inactive date.
PreferenceDescription	element	DescriptiveText	optional	A description of the preference.

PrivacyOptionType

PrivacyOptionType

<xs:complexType name="PrivacyOptionType">
 	
    <xs:attribute name="OptionType" xmlns:q1="http://webservices.micros.com/og/4.3/Name/"
       type="q1:PrivacyOptionTypeOptionType" use="required" />
 	
    <xs:attribute name="OptionValue" xmlns:q2="http://webservices.micros.com/og/4.3/Name/"
       type="q2:PrivacyOptionTypeOptionValue" use="required" />
 	
</xs:complexType>

Name	Type	Data Type	Use	Comments
OptionType	attribute	PrivacyOptionTypeOption Type	required	The privacy option type.
OptionValue	attribute	PrivacyOptionTypeOption Value	required	The value.

PrivacyOptionTypeOptionType

PrivacyOptionTypeOptionType
<xs:simpleType name="PrivacyOptionTypeOptionType">   <xs:restriction base="xs:string">   <xs:enumeration value="Promotions" />   <xs:enumeration value="MarketResearch" />   <xs:enumeration value="ThirdParties" />   <xs:enumeration value="LoyaltyProgram" />   <xs:enumeration value="Privacy" />   <xs:enumeration value="Email" />   <xs:enumeration value="Mail" />   <xs:enumeration value="Phone" />   <xs:enumeration value="SMS" />   </xs:restriction>

</xs:simpleType>				

Name	Type	Data Type	Use	Comments
PrivacyOptionTypeOption Type	enumeration	string		The possible values are Promotions, MarketResearch, ThirdParties, LoyaltyProgram, Privacy, Email, Mail, Phone, and SMS.

PrivacyOptionTypeOptionValue

PrivacyOptionTypeOptionValue
<xs:simpleType name="PrivacyOptionTypeOptionValue">
<xs:restriction base="xs:string">
<xs:enumeration value="YES" />
<xs:enumeration value="NO" />
</xs:restriction>
</xs:simpleType>

Name	Type	Data Type	Use	Comments
PrivacyOptionTypeOption Value	enumeration	string		The possible values are YES and NO.

Profile

Profile
<xs:complexType name="Profile">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="1" name="ProfileIDs" xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ArrayOfUniqueID" />
<xs:choice minOccurs="1" maxOccurs="1">
<xs:element minOccurs="0" maxOccurs="1" name="Customer"

```
              xmlns:q2="http://webservices.micros.com/og/4.3/Name/" type="q2:Customer" />

        <xs:element minOccurs="0" maxOccurs="1" name="Company"
              xmlns:q3="http://webservices.micros.com/og/4.3/Name/" type="q3:Company" />

     </xs:choice>

     <xs:element minOccurs="0" maxOccurs="1" name="CreditCards"
        xmlns:q4="http://webservices.micros.com/og/4.3/Name/" type="q4:ArrayOfNameCreditCard" />

     <xs:element minOccurs="0" maxOccurs="1" name="Addresses"
        xmlns:q5="http://webservices.micros.com/og/4.3/Name/" type="q5:ArrayOfNameAddress" />

     <xs:element minOccurs="0" maxOccurs="1" name="Blacklist"
        xmlns:q6="http://webservices.micros.com/og/4.3/Name/" type="q6:BlackList" />

     <xs:element minOccurs="0" maxOccurs="1" name="Phones"
        xmlns:q7="http://webservices.micros.com/og/4.3/Name/" type="q7:ArrayOfNamePhone" />

     <xs:element minOccurs="0" maxOccurs="1" name="Preferences"
        xmlns:q8="http://webservices.micros.com/og/4.3/Name/" type="q8:ArrayOfPreference" />

     <xs:element minOccurs="0" maxOccurs="1" name="EMails"
        xmlns:q9="http://webservices.micros.com/og/4.3/Name/" type="q9:ArrayOfNameEmail" />

     <xs:element minOccurs="0" maxOccurs="1" name="Memberships"
        xmlns:q10="http://webservices.micros.com/og/4.3/Name/" type="q10:ArrayOfNameMembership" />

     <xs:element minOccurs="0" maxOccurs="1" name="NegotiatedRates"
        xmlns:q11="http://webservices.micros.com/og/4.3/Name/" type="q11:ArrayOfNegotiatedRate" />

     <xs:element minOccurs="0" maxOccurs="1" name="Comments"
        xmlns:q12="http://webservices.micros.com/og/4.3/Name/" type="q12:ArrayOfComment" />

     <xs:element minOccurs="0" maxOccurs="1" name="UserDefinedValues"
        xmlns:q13="http://webservices.micros.com/og/4.3/Common/" type="q13:ArrayOfUserDefinedValue" />

     <xs:element minOccurs="0" maxOccurs="1" name="Privacy"
        xmlns:q14="http://webservices.micros.com/og/4.3/Name/" type="q14:ArrayOfPrivacyOptionType" />

     <xs:element minOccurs="0" maxOccurs="1" name="UserGroup"
        xmlns:q15="http://webservices.micros.com/og/4.3/Name/" type="q15:ProfileUserGroup" />

  </xs:sequence>

  <xs:attribute name="nameType" type="xs:string" />

  <xs:attribute name="protected" type="xs:boolean" />

  <xs:attribute name="languageCode" type="xs:string" />

  <xs:attribute name="nationality" type="xs:string" />

  <xs:attribute name="vipCode" type="xs:string" />

  <xs:attribute name="taxExempt" type="xs:boolean" />
```

```
    <xs:attribute name="insertUser" type="xs:string" />

    <xs:attribute name="insertDate" type="xs:dateTime" />

    <xs:attribute name="updateUser" type="xs:string" />

    <xs:attribute name="updateDate" type="xs:dateTime" />

    <xs:attribute name="inactiveDate" type="xs:date" />

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
nameType	attribute	string	none	Not used in this context.
protected	attribute	boolean	none	Not used in this context.
languageCode	attribute	string	none	Not used in this context.
nationality	attribute	string	none	Not used in this context.
vipCode	attribute	string	none	Not used in this context.
taxExempt	attribute	boolean	none	Not used in this context.
insertUser	attribute	string	none	The insert user.
insertDate	attribute	dateTime	none	The insert date.
updateUser	attribute	string	none	The update user.
updateDate	attribute	dateTime	none	The update date.
inactiveDate	attribute	date	none	The inactive date.
ProfileIDs	element	ArrayOfUniqueID	optional	The profile ID.
Customer	element	Customer	optional	The customer.
Company	element	Company	optional	The company.
CreditCards	element	ArrayOfNameCreditCard	optional	Credit card information.
Addresses	element	ArrayOfNameAddress	optional	Address information.

Blacklist	element	BlackList	optional	Blacklist details.
Phones	element	ArrayOfNamePhone	optional	Phone details are used.
Preferences	element	ArrayOfPreference	optional	Not used in this context.
EMails	element	ArrayOfNameEmail	optional	Not used in this context.
Memberships	element	ArrayOfNameMembership	optional	Not used in this context.
NegotiatedRates	element	ArrayOfNegotiatedRate	optional	Not used in this context.
Comments	element	ArrayOfComment	optional	Not used in this context.
UserDefinedValues	element	ArrayOfUserDefinedValue	optional	Not used in this context.
Privacy	element	ArrayOfPrivacyOptionType	optional	Not used in this context.
UserGroup	element	ProfileUserGroup	optional	The on behalf group.

ProfileUserGroup

ProfileUserGroup				

`<xs:complexType name="ProfileUserGroup">`
 	
   `<xs:attribute name="groupType" xmlns:q1="http://webservices.micros.com/og/4.3/Name/"`
     `type="q1:UserGroupType" use="required" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
groupType	attribute	UserGroupType	required	The group type.

Question

Question
<xs:complexType name="Question">   <xs:simpleContent>   <xs:extension base="xs:string">   <xs:attribute name="questionId" type="xs:string" />   </xs:extension>   </xs:simpleContent>   </xs:complexType>

Name	Type	Data Type	Use	Comments
Question	extension	string		The question.
questionId	attribute	string	none	The internal reference code or value for the subject question. The actual text of the question exists in the root value.

ResultStatus

ResultStatus

<xs:complexType name="ResultStatus">
 	
    <xs:sequence>
 	
       <xs:element minOccurs="0" maxOccurs="1" name="Text"
          xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:ArrayOfText" />
 	
       <xs:element minOccurs="0" maxOccurs="1" name="IDs"
          xmlns:q2="http://webservices.micros.com/og/4.3/Common/" type="q2:ArrayOfIDPair" />
 	
    </xs:sequence>
 	
    <xs:attribute name="resultStatusFlag" xmlns:q3="http://webservices.micros.com/og/4.3/Common/"
       type="q3:ResultStatusFlag" />
 	
 </xs:complexType>

Name	Type	Data Type	Use	Comments
resultStatusFlag	attribute	ResultStatusFlag	none	Not used in this context.
Text	element	ArrayOfText	optional	A text list containing elements that provide a written description of any errors encountered during transaction processing.
IDs	element	ArrayOfIDPair	optional	Not used in this context.

ResultStatusFlag

ResultStatusFlag				

`<xs:simpleType name="ResultStatusFlag">`
 	
   `<xs:restriction base="xs:string">`
 	
      `<xs:enumeration value="FAIL" />`
 	
      `<xs:enumeration value="SUCCESS" />`
 	
   `</xs:restriction>`
 	
`</xs:simpleType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
ResultStatusFlag	enumeration	string		The possible values are FAIL and SUCCESS.

SystemIdType

SystemIdType

`<xs:simpleType name="SystemIdType">`
 	
   `<xs:restriction base="xs:string">`
 	
      `<xs:enumeration value="OWS" />`
 	
      `<xs:enumeration value="GAMING" />`
 	
      `<xs:enumeration value="PMS" />`
 	
      `<xs:enumeration value="SC" />`
 	
      `<xs:enumeration value="OVOS" />`
 	
   `</xs:restriction>`
 	
`</xs:simpleType>`

Name	Type	Data Type	Use	Comments
SystemIdType	enumeration	string		The possible values are OWS, GAMING, PMS, SC, and OVOS.

Text

Text

`<xs:complexType name="Text">`
 	
   `<xs:simpleContent>`
 	
      `<xs:extension base="xs:normalizedString">`
 	
         `<xs:attribute name="formatted" type="xs:boolean" />`
 	
         `<xs:attribute name="language" type="xs:language" />`
 	
      `</xs:extension>`
 	
   `</xs:simpleContent>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments

Text	extension	normalizedString		Not used in this context.
formatted	attribute	boolean	none	Not used in this context.
language	attribute	language	none	Not used in this context.

TextElement

TextElement
`<xs:complexType name="TextElement">`
`    <xs:simpleContent>`
`        <xs:extension xmlns:q1="http://webservices.micros.com/og/4.3/Common/" base="q1:Text" />`
`    </xs:simpleContent>`
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
TextElement	extension	Text		The TextElement element.

UniqueID

UniqueID
`<xs:complexType name="UniqueID">`
`    <xs:simpleContent>`
`        <xs:extension base="xs:string">`
`            <xs:attribute name="type" xmlns:q1="http://webservices.micros.com/og/4.3/Common/"`
`                type="q1:UniqueIDType" use="required" />`
`            <xs:attribute name="source" type="xs:string" />`
`        </xs:extension>`
`    </xs:simpleContent>`
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
UniqueID	extension	string		The UniqueID extension.
type	attribute	UniqueIDType	required	In this context, this is hard coded as 'INTERNAL', indicating that the root value is the internal Opera Name ID of the authenticated guest.
source	attribute	string	none	Not used in this context.

UniqueIDType

UniqueIDType

`<xs:simpleType name="UniqueIDType">`
 	
    `<xs:restriction base="xs:string">`
 	
        `<xs:enumeration value="EXTERNAL" />`
 	
        `<xs:enumeration value="INTERNAL" />`
 	
        `<xs:enumeration value="CANCELLATIONEXTERNAL" />`
 	
        `<xs:enumeration value="CANCELLATIONINTERNAL" />`
 	
    `</xs:restriction>`
 	
`</xs:simpleType>`

Name	Type	Data Type	Use	Comments
UniqueIDType	enumeration	string		The possible values are EXTERNAL, INTERNAL, CANCELLATIONEXTERNAL, and CANCELLATIONINTERNAL.

UserAccountLockSettingType

UserAccountLockSettingType
`<xs:simpleType name="UserAccountLockSettingType">` `<xs:restriction base="xs:string">` `<xs:enumeration value="LOCK" />` `<xs:enumeration value="UNLOCK" />` `</xs:restriction>` `</xs:simpleType>`

Name	Type	Data Type	Use	Comments
UserAccountLockSettingType	enumeration	string		The possible values are LOCK and UNLOCK.

UserDefinedValue

UserDefinedValue
`<xs:complexType name="UserDefinedValue">` `<xs:sequence>` `<xs:choice minOccurs="1" maxOccurs="1">` `<xs:element minOccurs="0" maxOccurs="1" name="CharacterValue" type="xs:string" />` `<xs:element minOccurs="1" maxOccurs="1" name="DateValue" type="xs:dateTime" />` `<xs:element minOccurs="1" maxOccurs="1" name="NumericValue" type="xs:double" />` `</xs:choice>` `</xs:sequence>` `<xs:attribute name="valueName" type="xs:string" />` `</xs:complexType>`

Name	Type	Data Type	Use	Comments
valueName	attribute	string	none	The value name.

CharacterValue	element	string	optional	The character value.
DateValue	element	dateTime	required	The date.
NumericValue	element	double	required	The numeric value.

UserGroup

UserGroup				

`<xs:complexType name="UserGroup">`
 	
  `<xs:attribute name="groupType" xmlns:q1="http://webservices.micros.com/og/4.3/Name/"`
    `type="q1:UserGroupType" use="required" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
groupType	attribute	UserGroupType	required	The user group type.

UserGroupItem

UserGroupItem				

`<xs:complexType name="UserGroupItem">`
 	
  `<xs:attribute name="SystemId" xmlns:q1="http://webservices.micros.com/og/4.3/Security/"`
    `type="q1:SystemIdType" />`
 	
  `<xs:attribute name="Group" type="xs:string" />`
 	
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
SystemId	attribute	SystemIdType	none	The system ID.
Group	attribute	string	none	The group.

UserGroupType

UserGroupType

```<xs:simpleType name="UserGroupType">```
 	
```   <xs:restriction base="xs:string">```
 	
```   <xs:enumeration value="TAM" />```
 	
```   <xs:enumeration value="BOOKER" />```
 	
```   <xs:enumeration value="BOOKER2" />```
 	
```   <xs:enumeration value="COMPANY" />```
 	
```   </xs:restriction>```
 	
```</xs:simpleType>```

Name	Type	Data Type	Use	Comments
UserGroupType	enumeration	string		The possible values are TAM, BOOKER, BOOKER2, and COMPANY.

UserProfile

UserProfile

```<xs:complexType name="UserProfile">```
 	
```   <xs:sequence>```
 	
```   <xs:element minOccurs="0" maxOccurs="1" name="UserName" type="xs:string" />```
 	
```   <xs:element minOccurs="0" maxOccurs="1" name="NameId"```
```   xmlns:q1="http://webservices.micros.com/og/4.3/Common/" type="q1:UniqueID" />```
 	
```   <xs:element minOccurs="0" maxOccurs="1" name="LastLogin" type="xs:date" />```
 	
```   <xs:element minOccurs="0" maxOccurs="1" name="AccountLocked"```
```   xmlns:q2="http://webservices.micros.com/og/4.3/Security/" type="q2:UserProfileAccountLocked" />```
 	
```   <xs:element minOccurs="0" maxOccurs="1" name="Password"```
```   xmlns:q3="http://webservices.micros.com/og/4.3/Security/" type="q3:UserProfilePassword" />```
 	
```   <xs:element minOccurs="0" maxOccurs="1" name="SecurityQuestion"```
```   xmlns:q4="http://webservices.micros.com/og/4.3/Security/" type="q4:UserProfileSecurityQuestion" />```

```
        <xs:element minOccurs="0" maxOccurs="1" name="Rights"
            xmlns:q5="http://webservices.micros.com/og/4.3/Security/" type="q5:ArrayOfUserSystemRightsProfile" />

    </xs:sequence>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
UserName	element	string	optional	The user name.
NameId	element	UniqueID	optional	The name ID.
LastLogin	element	date	optional	The last time the user logged in.
AccountLocked	element	UserProfileAccountLocked	optional	An indication of whether the account is locked or not.
Password	element	UserProfilePassword	optional	The password.
SecurityQuestion	element	UserProfileSecurityQuestion	optional	The security question.
Rights	element	ArrayOfUserSystemRightsProfile	optional	The granted rights.

UserProfileAccountLocked

UserProfileAccountLocked

```
<xs:complexType name="UserProfileAccountLocked">

    <xs:simpleContent>

        <xs:extension base="xs:boolean">

            <xs:attribute name="dateLocked" type="xs:date" />

        </xs:extension>

    </xs:simpleContent>

</xs:complexType>
```

Name	Type	Data Type	Use	Comments
UserProfileAccountLocked	extension	boolean		An indication of whether the account is

				locked or not.
dateLocked	attribute	date	none	The date the account was locked.

UserProfilePassword

UserProfilePassword				

`<xs:complexType name="UserProfilePassword">`
 	
 `<xs:simpleContent>`
 	
 `<xs:extension base="xs:string">`
 	
 `<xs:attribute name="IsExpired" type="xs:boolean" />`
 	
 `<xs:attribute name="LastPasswordChanged" type="xs:date" />`
 	
 `<xs:attribute name="IsSystemGenerated" type="xs:boolean" />`
 	
 `</xs:extension>`
 	
 `</xs:simpleContent>`
 	
 `</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comments**
UserProfilePassword	extension	string		The password.
IsExpired	attribute	boolean	none	Whether or not the password is expired.
LastPasswordChanged	attribute	date	none	The last date the password was changed.
IsSystemGenerated	attribute	boolean	none	Whether or not the password is system-generated.

UserProfileSecurityQuestion

UserProfileSecurityQuestion

`<xs:complexType name="UserProfileSecurityQuestion">`
 	
`    <xs:simpleContent>`
 	
`        <xs:extension base="xs:string">`
 	
`            <xs:attribute name="Answer" type="xs:string" />`
 	
`        </xs:extension>`
 	
`    </xs:simpleContent>`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
UserProfileSecurityQuestion	extension	string		The security question.
Answer	attribute	string	none	The security answer.

UserRightItem

UserRightItem

`<xs:complexType name="UserRightItem">`
 	
`    <xs:attribute name="SystemId" xmlns:q1="http://webservices.micros.com/og/4.3/Security/"`
`        type="q1:SystemIdType" />`
 	
`    <xs:attribute name="Module" xmlns:q2="http://webservices.micros.com/og/4.3/Security/"`
`        type="q2:ModuleNameType" use="required" />`
 	
`    <xs:attribute name="Function" xmlns:q3="http://webservices.micros.com/og/4.3/Security/"`
`        type="q3:FunctionNameType" use="required" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
SystemId	attribute	SystemIdType	none	The system ID.
Module	attribute	ModuleNameType	required	The module.
Function	attribute	FunctionNameType	required	The function.

UserRightsList

UserRightsList

`<xs:complexType name="UserRightsList">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="unbounded" name="UserRights"`
            `xmlns:q1="http://webservices.micros.com/og/4.3/Security/" type="q1:UserRightItem" />`
 	
    `</xs:sequence>`
 	
    `<xs:attribute name="SystemId" xmlns:q2="http://webservices.micros.com/og/4.3/Security/"`
        `type="q2:SystemIdType" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
SystemId	attribute	SystemIdType	none	The system ID.
UserRights	element	UserRightItem	optional / multiple	A collection of UserRights elements.

UserSystemRightsProfile

UserSystemRightsProfile

`<xs:complexType name="UserSystemRightsProfile">`
 	
    `<xs:sequence>`
 	
        `<xs:element minOccurs="0" maxOccurs="1" name="UserGroups"`
            `xmlns:q1="http://webservices.micros.com/og/4.3/Security/" type="q1:ArrayOfUserGroupItem" />`
 	
        `<xs:element minOccurs="0" maxOccurs="1" name="UserRights"`
            `xmlns:q2="http://webservices.micros.com/og/4.3/Security/" type="q2:UserRightsList" />`
 	
    `</xs:sequence>`
 	
    `<xs:attribute name="SystemId" xmlns:q3="http://webservices.micros.com/og/4.3/Security/"`
        `type="q3:SystemIdType" />`
 	
`</xs:complexType>`

Name	Type	Data Type	Use	Comments
SystemId	attribute	SystemIdType	none	The system ID.

UserGroups	element	ArrayOfUserGroupItem	optional	The groups the user has rights to.
UserRights	element	UserRightsList	optional	The user rights.