

UBA ENTRUST BRIDGE

Version 1.0

Developed and Managed by Enterprise Integration Team, WAEI

Notes

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User Creation and Management

The user creation service is divided into two namely:

1. Create new Entrust User
2. Create new Corporate Entrust user
3. Delete User
4. Create Contact Info
5. Update Contact Info

Create New Entrust User

Service Name: createNewEntrustUser

Description: Service is used to create a new retail user

Fields and Description

Field Name	Description	Examples
surname	Last name of the customer	afolabi
firstname	First name of the customer	Victor
Usergroup	This defines the application in which the customer will be created in.	U-Direct, CorporateUDirect
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345
clientAppName	The name of the app from which the service is called from	FEBA

Sample Request

```
<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:Body>
    <createNewEntrustUser xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <clientAppName>FEBA</clientAppName>
        <firstName>Victor</firstName>
        <surname>Afolabi</surname>
        <userGroup>U-Direct</userGroup>
        <username>vicafolabi</username>
```

```

    </request>
  </createNewEntrustUser>
</soap:Body>
</soap:Envelope>

```

Sample Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:createNewEntrustUserResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <isSuccessful>true</isSuccessful>
        <response>Victor , Afolabi</response>
      </return>
    </ns2:createNewEntrustUserResponse>
  </S:Body>
</S:Envelope>

```

Error Message:

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:createNewEntrustUserResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <errorResponseCode>USER_EXIST</errorResponseCode>
        <errorResponseMessage>A user already exists in group U-Direct with user name
vicafolabi.</errorResponseMessage>
        <isSuccessful>false</isSuccessful>
      </return>
    </ns2:createNewEntrustUserResponse>
  </S:Body>
</S:Envelope>

```

Create New Corporate Entrust User

Service Name: createNewCorporateEntrustUser

Description: Service is used to create a new corporate user

Fields and Description

Field Name	Description	Examples
surname	Last name of the customer	afolabi
firstname	First name of the customer	Victor
Usergroup	This defines the application in which the customer will be created in.	U-Direct, CorporateUDirect
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345

clientAppName	The name of the app from which the service is called from	FEBA
corporateName	The name of the corporate to be created	uba

**Please note that for corporate user, ENTRUST will merge the username eventually as corporatename.username. For example, if the corporate name is uba and username is vicafolabi, the the entrust username for the customer will be uba.vicafolabi

Sample Request

```
<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:Body>
    <createNewCorporateEntrustUser xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <clientAppName>FEBA</clientAppName>
        <firstName>Tobi</firstName>
        <surname>Afolabi</surname>
        <userGroup>CorporateUDirect</userGroup>
        <username>vicafolabi</username>
        <corporateName>uba</corporateName>
      </request>
    </createNewCorporateEntrustUser>
  </soap:Body>
</soap:Envelope>
```

Sample Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:createNewCorporateEntrustUserResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <isSuccessful>true</isSuccessful>
        <response>Tobi , Afolabi</response>
      </return>
    </ns2:createNewCorporateEntrustUserResponse>
  </S:Body>
</S:Envelope>
```

Create Contact Info

Service Name: updateOrCreateuserContactInfo

Description: This service is used to update or create contact information such as Phone Email

Fields and Description

Field Name	Description	Examples
surname	Last name of the customer	afolabi
Username	This is the user id of the customer on entrust. For corporate user, the username is corporatename.username	Vicafolabi,vic12345
Type	This is a field value which could be create or update.	Create, update
contactList	This is a list of name-value object. The name field takes the contact label you are creating or updating.	Email, Phone, Work Phone, Work Email

Sample Request

```
<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:Body>
    <updateOrCreateuserContactInfo xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <contactList>
          <name>Phone</name>
          <value>2348024251048</value>
        </contactList>
        <type>create</type>
        <username>vicafolabi</username>
      </request>
    </updateOrCreateuserContactInfo>
  </soap:Body>
</soap:Envelope>
```

Sample Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:updateOrCreateuserContactInfoResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <errorResponseCode>USER_NOT_EXIST</errorResponseCode>
        <errorResponseMessage>Unable to find a user for user name or alias
vicafolabi.</errorResponseMessage>
        <isSuccessful>false</isSuccessful>
      </return>
    </ns2:updateOrCreateuserContactInfoResponse>
  </S:Body>
</S:Envelope>
```

Update Contact Info

Service Name: updateOrCreateuserContactInfo

Description: This service is used to update or create contact information such as Phone Email

Fields and Description

Field Name	Description	Examples
surname	Last name of the customer	afolabi
Username	This is the user id of the customer on entrust. For corporate user, the username is corporatename.username	Vicafolabi,vic12345
Type	This is a field value which could be create or update.	Create, update
contactList	This is a list of name-vauue object. The name field takes the contact label you are creating or updating.	Email, Phone, Work Phone, Work Email

Sample Request

```
<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:Body>
    <updateOrCreateuserContactInfo xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <contactList>
          <name>Phone</name>
          <value>2348024251048</value>
        </contactList>
        <type>update</type>
        <username>vicafolabi</username>
      </request>
    </updateOrCreateuserContactInfo>
  </soap:Body>
</soap:Envelope>
```

Sample Response


```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:updateOrCreateuserInfoResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <errorResponseCode>USER_NOT_EXIST</errorResponseCode>
        <errorResponseMessage>Unable to find a user for user name or alias
vicafolabi.</errorResponseMessage>
        <isSuccessful>>false</isSuccessful>
      </return>
    </ns2:updateOrCreateuserInfoResponse>
  </S:Body>
</S:Envelope>

```

Delete User

Service Name: deleteUser

Description: This service is used to delete a user from the entrust server

Fields and Description

Field Name	Description	Examples
surname	Last name of the customer	afolabi
Username	This is the user id of the customer on entrust. For corporate user, the username is corporatename.username	Vicafolabi,vic12345

Sample Request

```

<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:Body>
    <deleteUser xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <username>vicafolabi</username>
      </request>
    </deleteUser>
  </soap:Body>
</soap:Envelope>

```

Sample Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:deleteUserResponse xmlns:ns2="http://ws.waei.uba.com/">

```

```
<return>
  <isSuccessful>true</isSuccessful>
  <response>user deleted successfully</response>
</return>
</ns2:deleteUserResponse>
</S:Body>
</S:Envelope>
```

Knowledge Based Authentication and Management

The knowledge based authentication services is further split into three namely:

1. Create new or update user questions and answers
2. Get one security question
3. Authenticate security question

Create new or update user questions and answers

Service Name: createNewOrUpdateUserQA

Description: This service is used to create new questions and answers or update existing one. Anytime you call this service, you are actually creating sets of questions and answers.

Fields and Description

Field Name	Description	Examples
securityQuestions	This is an array of name-value objects. You are expected to input the questions in the name field and the answer in the value field	Name- what is your name Value-victor
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345

Sample Request

```
<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:Body>
    <createNewOrUpdateUserQA xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <securityQuestions>
          <name>what is your name?</name>
          <value>victor</value>
          <name>what is your name two?</name>
```

```

    <value>victor two</value>
    <name>what is your name three?</name>
    <value>victor three</value>
    <name>what is your name four?</name>
    <value>victor four</value>
    <name>what is your name five?</name>
    <value>victor five</value>
  </securityQuestions>
  <username>vicafolabi</username>
</request>
</createNewOrUpdateUserQA>
</soap:Body>
</soap:Envelope>

```

Sample Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:createNewOrUpdateUserQAResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <isSuccessful>true</isSuccessful>
        <response>vicafolabi</response>
      </return>
    </ns2:createNewOrUpdateUserQAResponse>
  </S:Body>
</S:Envelope>

```

Get one security Question

Service Name: getOneSecurityQuestion

Description: This service returns one single question for a particular user

Fields and Description

Field Name	Description	Examples
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345

Sample Request

```

<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:Body>
    <getOneSecurityQuestion xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <username>vicafolabi</username>
      </request>
    </getOneSecurityQuestion>
  </soap:Body>
</soap:Envelope>

```

```

    </getOneSecurityQuestion>
  </soap:Body>
</soap:Envelope>

```

Sample Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:getOneSecurityQuestionResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <isSuccessful>true</isSuccessful>
        <response>what is your name?</response>
      </return>
    </ns2:getOneSecurityQuestionResponse>
  </S:Body>
</S:Envelope>

```

Authenticate Security Question

Service Name: authenticateSecurityQuestion

Description: This service authenticate the security question earlier obtained

Fields and Description

Field Name	Description	Examples
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345
Answer	The answer to the question	Yomi

Sample Request

```

<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:Body>
    <authenticateSecurityQuestion xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <answer>victor</answer>
        <username>vicafolabi</username>
      </request>
    </authenticateSecurityQuestion>
  </soap:Body>
</soap:Envelope>

```

Sample Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:authenticateSecurityQuestionResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>

```

```

        <isSuccessful>true</isSuccessful>
        <response>Successful</response>
    </return>
</ns2:authenticateSecurityQuestionResponse>
</S:Body>
</S:Envelope>

```

Authenticate Token

This service authenticates user by their hardware token. It takes three arguments namely

1. Usergroup
2. Username
3. Response

Service Name: authenticateSecurityQuestion

Description: This service authenticate hard ware token

Fields and Description

Field Name	Description	Examples
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345
Response	The 8 digit number generated from the hardware token	123455678
Usergroup	This is optional. It is the group of the user	U-Direct,CorporateUDirect

Sample Request

```

<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:Body>
    <authenticateToken xmlns="http://ws.waei.uba.com/">
      <request xmlns="">
        <response>35426572</response>
        <userGroup />
        <username>vicafolabi</username>
      </request>
    </authenticateToken>
  </soap:Body>

```

</soap:Envelope>

Sample Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:authenticateTokenResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <errorResponseCode>NO_ACTIVE_TOKENS</errorResponseCode>
        <errorResponseMessage>Failed authentication for user U-Direct/vicafolabi. The user has no tokens or a temporary PIN that can be used for authentication.</errorResponseMessage>
        <isSuccessful>false</isSuccessful>
      </return>
    </ns2:authenticateTokenResponse>
  </S:Body>
</S:Envelope>
```

Synchronize/Reset Token

This service is used to reset customer hardware token.

Service Name: synchronizeToken

Description: This service is used to reset customer hardware token

Fields and Description

Field Name	Description	Examples
Username	This is the user id of the customer on entrust	Vicafolabi,vic12345
Response 1	The 8 digit number generated from the hardware token	123455678
Response2	The next 8 digit number generated from the hardware token	23456789
Serial number	The serial number of the hardware token obtained at the back of the hardware token	08977655354

Sample Request

```
<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:Body>
  <synchronizeToken xmlns="http://ws.waei.uba.com/">
    <request xmlns="">
      <response1>12345678</response1>
      <response2>23456789</response2>
      <serialNumber>0897765363</serialNumber>
      <username>vicafolabi</username>
    </request>
  </synchronizeToken>
</soap:Body>
</soap:Envelope>
```

Sample Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:synchronizeTokenResponse xmlns:ns2="http://ws.waei.uba.com/">
      <return>
        <errorResponseCode>TOKEN_NOT_EXIST</errorResponseCode>
        <errorResponseMessage>No tokens match the filter.</errorResponseMessage>
        <isSuccessful>false</isSuccessful>
      </return>
    </ns2:synchronizeTokenResponse>
  </S:Body>
</S:Envelope>
```