

Requests, Responses, and Schema

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API Requests and Responses

Note Elements defined as mandatory ([1..x]) in cnAAA response schema is applicable only to success response and not to failure response.

Single API Request

CreateSubscriberRequest

This API creates a subscriber in the USuM database. It also allows provisioning of initial quota/balance using the CreateBalance element.

Schema

```
<CreateSubscriberRequest>
<audit> AuditType </audit> [0..1] ?
<subscriber> SubscriberType </subscriber> [1]
</CreateSubscriberRequest>
```

Example

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
    -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/CreateSubscriberRequest\""
 \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv=
"http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:CreateSubscriberRequest>
         <subscriber>
        <name>
            <fullName>LaasUser_41</fullName>
```

```
        </name>
        <credential>
            <networkId>uniqueIdentifier</networkId>
            <password>password</password>
        </credential>
        <service>
            <code>Plan0</code>
            <enabled>true</enabled>
        </service>
        <avp>
            <code>Called-Station-Id</code>
            <value>LaasUser_41</value>
        </avp>
        <avp>
            <code>CIRCLE_CODE</code>
            <value>WB</value>
        </avp>
        <avp>
            <code>PINCODE</code>
            <value>405041</value>
        </avp>
        <status>ACTIVE</status>
    </subscriber>
     </typ:CreateSubscriberRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

CreateSubscriberResponse

Schema

```
<CreateSubscriberResponse>
   <errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
   <errorMessage> xsd:string </errorMessage> [1] ?
</CreateSubscriberResponse>
```

Example

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
  <se:Body>
    <CreateSubscriberResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
      <errorCode>0</errorCode>
      <errorMessage>Request completed successfully</errorMessage>
    </CreateSubscriberResponse>
  </se:Body>
</se:Envelope>
```

GetSubscriberRequest

This API retrieves a subscriber from the USuM database.

Note **Success Response**

By default, the GetSubscriber API returns error code 15 (failure) if no subscriber is found. The `success.response.nonexistent.user` property has been introduced in Ops-Center. This property allows cnAAA can to control the behavior of the GetSubscriber API response. If the value is set to true, the GetSubscriber API returns error code 0 even when no subscriber is found.

See the QueryBalance request for information about the boolean options: `includeExpiredData` and `excludeReservationsFromCreditTotal`

Schema:

```
<GetSubscriberRequest>
<audit> AuditType </audit> [0..1] ?
<networkId> xsd:string </networkId> [1] ?
<returnSessions> xsd:boolean </returnSessions> [0..1] ?
<returnBalances> xsd:boolean </returnBalances> [0..1] ?
<includeExpiredData> xsd:boolean </includeExpiredData> [0..1] ?
<excludeReservationsFromCreditTotal> xsd:boolean </excludeReservationsFromCreditTotal>
[0..1] ?
</GetSubscriberRequest>
```

Example:

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
     -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/GetSubscriberRequest\"" \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:GetSubscriberRequest>
         <typ:networkId>SVI_Subscriber_3300424</typ:networkId>
      </typ:GetSubscriberRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

Note This existing `GetSubscriberRequest` is used in a new Dual-Write Proxy logic. The `UpdateSubscriber` logic is enhanced to require specific `<id>` and `<version>` injection for data consistency.

GetSubscriberResponse

Schema:

```
<GetSubscriberResponse>
<errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
<errorMessage> xsd:string </errorMessage> [1] ?
<subscriber> SubscriberType </subscriber> [0..1]
</GetSubscriberResponse>
```

Example:

```
<se:Envelope
xmlns:se="http://schemas.xmlsoap.org/soap/envelope/"><se:Body><GetSubscriberResponse
xmlns="http://broadhop.com/unifiedapi/soap/types"><errorCode>0</errorCode><errorMessage>
Request completed
successfully</errorMessage><subscriber><id>00cd69d02edd246467628f40</id><credential>
<networkId></networkId><password></password></credential><credential><networkId>
]]></networkId><type>Called-Station-Id</type></credential><service><code>Plan0</code><enabled>true</enabled>
</service><status>ACTIVE</status><avp><code>Called-Station-Id</code><value>IN001_3300424</value></avp><avp><code>CIRCLE_CODE
</code><value>DL</value></avp><avp><code>PINCODE</code><value>395004</value></avp><avp><code>SprKeyHash</code><value>2</value>
</avp><version>0</version>
</subscriber></GetSubscriberResponse></se:Body></se:Envelope>
```

UpdateSubscriberRequest

This API updates a subscriber. An entire subscriber object must be sent. This request also updates credentials.

It also allows provisioning initial quota/balance using the CreateBalance element.

Note The proper steps to use this API:

1. Call GetSubscriber API to get the subscriber object.
2. Update returned subscriber object as required.
3. Call UpdateSubscriber API with updated subscriber object.

Schema:

```
<UpdateSubscriberRequest>
<audit> AuditType </audit> [0..1] ?
<subscriber> SubscriberType </subscriber> [1] ?
</UpdateSubscriberRequest>
```

Example:

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
    -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/UpdateSubscriberRequest\""
 \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:UpdateSubscriberRequest>
         <subscriber>
                  <id>001000001ca50459681090ee</id>
                  <name>
                     <fullName>uniqueidentifier</fullName>
                  </name>
                  <credential>
                     <networkId>uniqueidentifier</networkId>
                     <password>password</password>
                  </credential>
                  <service>
                     <code>Plan0-FTTX</code>
                     <enabled>true</enabled>
                  </service>
                  <status>ACTIVE</status>
                  <avp>
                     <code>CIRCLE_CODE</code>
                     <value>WB</value>
                  </avp>
                  <version>0</version>
               </subscriber>
      </typ:UpdateSubscriberRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

Note This existing `UpdateSubscriberRequest` is used in a new Dual-Write Proxy logic. The `UpdateSubscriber` logic is enhanced to require specific `<id>` and `<version>` injection for data consistency.

UpdateSubscriberResponse

Schema

```
<UpdateSubscriberResponse>
   <errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
   <errorMessage> xsd:string </errorMessage> [1] ?
</UpdateSubscriberResponse>
```

Example

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
  <se:Body>
    <UpdateSubscriberResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
      <errorCode>0</errorCode>
      <errorMessage>Request completed successfully</errorMessage>
    </UpdateSubscriberResponse>
  </se:Body>
</se:Envelope>
```

DeleteSubscriberRequest

This API deletes a subscriber from the USuM database.

Note

Renamed

The API has been renamed. It is DeleteSubscriberByKey in v1.0 API.

Schema

```
<DeleteSubscriberRequest>
   <audit> AuditType </audit> [0..1] ?
   <networkId> xsd:string </networkId> [1] ?
   <hardDelete> xsd:boolean </hardDelete> [0..1] ?
</DeleteSubscriberRequest>
```

Example

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
    -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/DeleteSubscriberRequest\""
 \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:DeleteSubscriberRequest>
         <networkId>uniqueidentifier</networkId>
         <hardDelete>true</hardDelete>
```

```
      </typ:DeleteSubscriberRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

DeleteSubscriberResponse

Schema

```
<DeleteSubscriberResponse>
   <errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
   <errorMessage> xsd:string </errorMessage> [1] ?
</DeleteSubscriberResponse>
```

Example

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
  <se:Body>
    <DeleteSubscriberResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
      <errorCode>0</errorCode>
      <errorMessage>Request completed successfully</errorMessage>
    </DeleteSubscriberResponse>
  </se:Body>
</se:Envelope>
```

Bulk API Request

CreateBulkSubscribersRequest

The CreateBulkSubscribers API enables the creation of multiple subscribers in one request. It includes subscriber details like credentials and services, ensuring correct provisioning.

Schema:

```
<CreateBulkSubscribersRequest>
<audit> AuditType </audit> [0..1] ?
<subscriber> SubscriberType </subscriber> [1..1000]
</CreateBulkSubscribersRequest>
```

Example:

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
     -H "SOAPAction:
\"http://broadhop.com/unifiedapi/soap/types/CreateBulkSubscribersRequest\"" \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:CreateBulkSubscribersRequest>
         <subscriber>
        <name>
            <fullName>uniqueIdentifier</fullName>
        </name>
        <credential>
            <networkId>uniqueIdentifier</networkId>
            <password>password</password>
        </credential>
        <service>
            <code>Plan0</code>
```

```
            <enabled>true</enabled>
        </service>
        <avp>
            <code>Called-Station-Id</code>
            <value>LaasUser_31</value>
        </avp>
        <avp>
            <code>CIRCLE_CODE</code>
            <value>WB</value>
        </avp>
        <avp>
            <code>PINCODE</code>
            <value>405061</value>
        </avp>
        <status>ACTIVE</status>
    </subscriber>
    <subscriber>
        <name>
            <fullName>uniqueIdentifier</fullName>
        </name>
        <credential>
            <networkId>uniqueIdentifier</networkId>
            <password>password</password>
        </credential>
        <service>
            <code>Plan0</code>
            <enabled>true</enabled>
        </service>
        <avp>
            <code>Called-Station-Id</code>
            <value>LaasUser_32</value>
        </avp>
        <avp>
            <code>CIRCLE_CODE</code>
            <value>WB</value>
        </avp>
        <avp>
            <code>PINCODE</code>
            <value>405061</value>
        </avp>
        <status>ACTIVE</status>
    </subscriber>
    <subscriber>
        <name>
            <fullName>uniqueIdentifier</fullName>
        </name>
        <credential>
            <networkId>uniqueIdentifier</networkId>
            <password>password</password>
        </credential>
        <service>
            <code>Plan0</code>
            <enabled>true</enabled>
        </service>
        <avp>
            <code>Called-Station-Id</code>
            <value>LaasUser_33</value>
        </avp>
        <avp>
            <code>CIRCLE_CODE</code>
            <value>WB</value>
        </avp>
        <avp>
            <code>PINCODE</code>
```

```
            <value>405061</value>
          </avp>
          <status>ACTIVE</status>
     </subscriber>
       </typ:CreateBulkSubscribersRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

CreateBulkSubscribersResponse

Schema:

```
<CreateBulkSubscribersResponse>
<errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
<errorMessage> xsd:string </errorMessage> [1] ?
</CreateBulkSubscribersResponse>
```

Example:

```
 <se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
   <se:Body>
      <list>
         <CreateBulkSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </CreateBulkSubscribersResponse>
         <CreateBulkSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </CreateBulkSubscribersResponse>
         <CreateBulkSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </CreateBulkSubscribersResponse>
      </list>
   </se:Body>
</se:Envelope>
```

GetSubscribersRequest

The GetSubscribers API retrieves subscriber details based on specified network IDs. It allows for querying multiple subscribers in a single request to access the information.

Schema:

```
<GetSubscribersRequest>
<audit> AuditType </audit> [0..1] ?
<networkId> xsd:string </networkId> [1..1000] ?
<returnSessions> xsd:boolean </returnSessions> [0..1] ?
<includeExpiredData> xsd:boolean </includeExpiredData> [0..1] ?
<excludeReservationsFromCreditTotal> xsd:boolean </excludeReservationsFromCreditTotal>
[0..1] ?
</GetSubscribersRequest>
```

Example:

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
     -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/GetSubscribersRequest\""
\
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
```

```
   <soapenv:Body>
      <typ:GetSubscribersRequest>
         <typ:networkId>SVI_Subscriber_3300422</typ:networkId>
         <typ:networkId>SVI_Subscriber_3300423</typ:networkId>
         <typ:networkId>SVI_Subscriber_3300424</typ:networkId>
      </typ:GetSubscribersRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

GetSubscribersResponse

Schema:

```
<GetSubscribersResponse>
<errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
<errorMessage> xsd:string </errorMessage> [1] ?
<subscriber> SubscriberType </subscriber> [1..1000]
</GetSubscribersResponse>
```

Example:

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/"><se:Body><list>
<GetSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types"><errorCode>
0</errorCode><errorMessage>Request completed successfully</errorMessage><subscriber>
<subscriber><id>00d69c018cab7b49680ab385</id><credential><networkId>
<![CDATA[SVI_Subscriber_3300422]]></networkId><password><![CDATA[{SSHA}
Yk6GaDy0tor24AigH7tS4FirGPY/PwE/Pz91Pw==]]>
</password></credential><credential><networkId><![CDATA[INJKNORAXXXXTW0013ENBESR001_3300422]]>
</networkId><type>Called-Station-Id</type></credential><service>
<code>Plan0</code><enabled>true</enabled>
</service><status>ACTIVE</status><avp><code>Called-Station-Id</code>
<value>INJKNORAXXXXTW0013ENBESR001_3300422</value></avp><avp>
<code>CIRCLE_CODE</code><value>DL</value>
</avp><avp><code>PINCODE</code><value>385006</value></avp><avp><code>SprKeyHash</code><value>1</value>
</avp><version>0</version></subscriber><subscriber><id>00e69c018cab7b49680ab385</id><credential><networkId>
<![CDATA[SVI_Subscriber_3300423]]></networkId><password><![CDATA[{SSHA}a6CJLxyyf2h2KZmzgWxCehNixGRIV0gTP3c/Pw==]]>
</password></credential><credential><networkId><![CDATA[INJKNORAXXXXTW0013ENBESR001_3300423]]>
</networkId><type>Called-Station-Id</type></credential><service><code>Plan0</code><enabled>true</enabled></service>
<status>ACTIVE</status><avp><code>Called-Station-Id</code><value>INJKNORAXXXXTW0013ENBESR001_3300423</value></avp>
<avp><code>CIRCLE_CODE</code><value>KO</value></avp><avp><code>PINCODE</code><value>385007</value></avp><avp><code>
SprKeyHash</code><value>0</value></avp><version>0</version></subscriber><subscriber><id>00d69c01e2171601680ab385
</id><credential><networkId><![CDATA[SVI_Subscriber_3300424]]></networkId><password>
<![CDATA[{SSHA}qFkpMzgCrSyVepwSOitG5JnEMDczOj90Pz9XPw==]]></password></credential><credential><networkId>
<![CDATA[INJKNORAXXXXTW0013ENBESR001_3300424]]></networkId><type>Called-Station-Id</type></credential><service>
<code>Plan0</code><enabled>true</enabled></service><status>ACTIVE</status><avp><code>Called-Station-Id</code>
<value>INJKNORAXXXXTW0013ENBESR001_3300424</value></avp><avp><code>CIRCLE_CODE</code><value>AP</value></avp><avp>
<code>PINCODE</code><value>385008</value></avp><avp><code>SprKeyHash</code><value>2</value></avp><version>0</version>
</subscriber><subscriber><id>00f69c01e2171601680ab385</id><credential><networkId></GetSubscribersResponse></list>
</se:Body></se:Envelope>
```

UpdateSubscribersRequest

The UpdateSubscribers API modifies subscriber details, including credentials and services, for active subscribers in the system. It ensures updates are reflected in the subscriber database.

Schema:

```
<UpdateSubscribersRequest>
<audit> AuditType </audit> [0..1] ?
<subscriber> SubscriberType </subscriber> [1..1000] ?
</UpdateSubscribersRequest>
```

Example:

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
    -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/UpdateSubscribersRequest\""
 \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:UpdateSubscribersRequest>
         <subscriber>
                  <id>00200000602b083e680f3b6f</id>
                  <name>
                     <fullName>uniqueIdentifier</fullName>
                  </name>
                  <credential>
                     <networkId>uniqueIdentifier</networkId>
                     <password>password</password>
                  </credential>
                  <service>
                     <code>Plan0-FTTX</code>
                     <enabled>true</enabled>
                  </service>
                  <status>ACTIVE</status>
                  <avp>
                     <code>CIRCLE_CODE</code>
                     <value>MU</value>
                  </avp>
                  <avp>
                     <code>SprKeyHash</code>
                     <value>0</value>
                  </avp>
                  <version>0</version>
               </subscriber>
            <subscriber>
                  <id>00300000602b083e680f3b6f</id>
                  <name>
                     <fullName>uniqueIdentifier</fullName>
                  </name>
                  <credential>
                     <networkId>uniqueIdentifier</networkId>
                     <password>password</password>
                  </credential>
                  <service>
                     <code>Plan0-FTTX</code>
                     <enabled>true</enabled>
                  </service>
                  <status>ACTIVE</status>
                  <avp>
                     <code>CIRCLE_CODE</code>
                     <value>MU</value>
                  </avp>
                  <avp>
                     <code>SprKeyHash</code>
                     <value>1</value>
                  </avp>
                  <version>0</version>
               </subscriber>
            <subscriber>
                  <id>00100000658051666680f3bde</id>
                  <name>
                     <fullName>uniqueIdentifier</fullName>
```

```
                    </name>
                    <credential>
                       <networkId>uniqueIdentifier</networkId>
                       <password>password</password>
                    </credential>
                    <service>
                       <code>Plan0-FTTX</code>
                       <enabled>true</enabled>
                    </service>
                    <status>ACTIVE</status>
                    <avp>
                       <code>CIRCLE_CODE</code>
                       <value>MU</value>
                    </avp>
                    <avp>
                       <code>SprKeyHash</code>
                       <value>2</value>
                    </avp>
                    <version>0</version>
                 </subscriber>
                  </typ:UpdateSubscribersRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

UpdateSubscribersResponse

Schema:

```
<UpdateSubscribersResponse>
<errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
<errorMessage> xsd:string </errorMessage> [1] ?
</UpdateSubscribersResponse>
```

Example:

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
   <se:Body>
      <list>
         <UpdateSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </UpdateSubscribersResponse>
         <UpdateSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </UpdateSubscribersResponse>
         <UpdateSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </UpdateSubscribersResponse>
      </list>
   </se:Body>
</se:Envelope>
```

DeleteSubscribersRequest

The DeleteSubscribers API removes subscribers from the system based on specified network IDs. It supports hard deletions, offering flexible option for managing subscriber data.

Schema:

```
<DeleteSubscribersRequest>
<audit> AuditType </audit> [0..1] ?
```

```
<networkId> xsd:string </networkId> [1..1000] ?
<hardDelete> xsd:boolean </hardDelete> [0..1] ?
</DeleteSubscribersRequest>
```

Example:

```
curl -k -X POST "https://pcf.unified-api.203.0.113.1.nip.io/apirouter" \
     -H "Content-Type: text/xml; charset=utf-8" \
    -H "SOAPAction: \"http://broadhop.com/unifiedapi/soap/types/DeleteSubscribersRequest\""
 \
     -d '<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:typ="http://broadhop.com/unifiedapi/soap/types">
   <soapenv:Header/>
   <soapenv:Body>
      <typ:DeleteSubscribersRequest>
         <networkId>uniqueidentifier</networkId>
         <networkId>uniqueidentifier</networkId>
         <networkId>uniqueidentifier</networkId>
         <hardDelete>true</hardDelete>
      </typ:DeleteSubscribersRequest>
   </soapenv:Body>
</soapenv:Envelope>'
```

DeleteSubscribersResponse

Schema:

```
<DeleteSubscribersResponse>
<errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
<errorMessage> xsd:string </errorMessage> [1] ?
</DeleteSubscribersResponse>
```

Example:

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
   <se:Body>
      <list>
         <DeleteSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </DeleteSubscribersResponse>
         <DeleteSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </DeleteSubscribersResponse>
         <DeleteSubscribersResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
            <errorCode>0</errorCode>
            <errorMessage>Request completed successfully</errorMessage>
         </DeleteSubscribersResponse>
      </list>
   </se:Body>
</se:Envelope>
```

Refresh profile API implementation in cnAAA

RefreshSubscriberProfileRequest

The Refresh Profile API in cnAAA accepts a mac-address. This API triggers the policy engine. The policy engine queries the SPR, fetches the subscriber record, and processes CoA if the session is available in CDL.

Schema:

```
<RefreshSubscriberProfileRequest>
 <audit> AuditType </audit> [0..1] ?
 <networkId> xsd:string </networkId> [1] ?
</RefreshSubscriberProfileRequest>
```

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
<se:Body><RefreshSubscriberProfileRequest xmlns="http://broadhop.com/unifiedapi/soap/types">

 <networkId>uniqueidentifier</networkId>
</RefreshSubscriberProfileRequest>
</se:Body>
</se:Envelope>
```

RefreshSubscriberProfileResponse

Schema:

```
<RefreshSubscriberProfileResponse>
 <errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
 <errorMessage> xsd:string </errorMessage> [1] ?
</RefreshSubscriberProfileResponse>
```

Example:

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
<se:Body>
<RefreshSubscriberProfileResponse>
 <errorCode>0</errorCode>
 <errorMessage>Request completed successfully</errorMessage>
 <sessionId>192.168.175.148:00012</sessionId>
 <sessionId>192.168.175.148:00013</sessionId>
 <sessionId>192.168.175.148:00014</sessionId>
</RefreshSubscriberProfileResponse>
</se:Body>
</se:Envelope>
```

Delete session API implementation in cnAAA

The Delete Session API in cnAAA accepts a mac-address. This API triggers the policy engine to delete the CDL sessions of that subscriber.

DeleteSubscriberSessionRequest

Schema:

```
<DeleteSubscriberSessionRequest>
 <networkId> xsd:string </networkId> [1] ?
 <subscriberId> xsd:string </subscriberId> [1] ?
</DeleteSubscriberSessionRequest>
```

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
<se:Body>
<DeleteSubscriberSessionRequest xmlns="http://broadhop.com/unifiedapi/soap/types">
 <networkId>uniqueidentifier</networkId>
 <subscriberId>00c5000042e99b6068bed7ce</subscriberId>
</DeleteSubscriberSessionRequest>
</se:Body>
</se:Envelope>
```

DeleteSubscriberSessionResponse

Schema:

```
<DeleteSubscriberSessionResponse>
 <errorCode> xsd:integer (0 >= value < 1000) </errorCode> [1] ?
 <errorMessage> xsd:string </errorMessage> [1] ?
</DeleteSubscriberSessionResponse>
```

Example:

```
<se:Envelope xmlns:se="http://schemas.xmlsoap.org/soap/envelope/">
<se:Body>
<DeleteSubscriberSessionResponse xmlns="http://broadhop.com/unifiedapi/soap/types">
<errorCode>0</errorCode>
<errorMessage>Request completed successfully</errorMessage>
<sessionCount>3</sessionCount>
<sessionId>192.168.175.148:00012</sessionId>
<sessionId>192.168.175.148:00013</sessionId>
<sessionId>192.168.175.148:00014</sessionId>
</DeleteSubscriberSessionResponse>
</se:Body>
</se:Envelope>
```