

# ***DRAFT***

## **OpenWISP User Management System RESTful API documentation**



OpenWISP User Management System - ***Version 1.1.5b***

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## General information

### HTTP error codes

The following table list error codes supported by the application.

Result Message	Code	Meanings
<b>Successful results</b>		
OK	200	Operation successfully executed
CREATED	201	New resource created
ACCEPTED	202	The request has been accepted for processing, but the processing has not been completed.
<b>Client errors</b>		
BAD REQUEST	400	The request could not be understood by the server due to malformed syntax. The client SHOULD NOT repeat the request without modifications.
FORBIDDEN	403	Insufficient privileges to access the addressed resource
NOT FOUND	404	Resource was not found
NOT ACCEPTABLE	406	The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept headers sent in the request.
REQUEST TIMEOUT	408	Timeout accessing the requested resource
UNPROCESSABLE ENTITY	422	The 422 (Unprocessable Entity) status code means the server understands the content type of the request entity, and the syntax of the request entity is correct (thus a 400 (Bad Request) status code is inappropriate) but was unable to process the contained instructions. For example, this error condition may occur if an XML request body contains well-formed (i.e., syntactically correct), but semantically erroneous, XML instructions.
<b>Server errors</b>		
INTERNAL SERVER ERROR	500	The server encountered an unexpected condition which prevented it from fulfilling the request.

## Application localization

Error messages generated by the application are localized. To retrieve these messages in a particular language the “locale” parameter can be appended to URL parameters.

At present time only “en” (for English) and “it” (for Italian) languages are supported. If no locale is specified, “it” is used.

### **Example**

```
http://<your server>/<your resource>?locale=en
```

## Authenticated request

HTTP request that require operator authentication are marked with an asterisk (\*). Requested authentication method is the “Basic HTTP Authentication”.

# Account Session

## Create

### HTTP Request

Verb	URLs	XML POSTDATA
POST	/account_session.xml /login.xml	<pre>&lt;account_session&gt;   &lt;username&gt;<b>USERNAME</b>&lt;/username&gt;   &lt;password&gt;<b>PASSWORD</b>&lt;/password&gt; &lt;/account_session&gt;</pre>

### HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;errors&gt;   &lt;error&gt;<b>error1</b>&lt;/error&gt;   &lt;error&gt;<b>error2</b>&lt;/error&gt;   ...   &lt;error&gt;<b>errorN</b>&lt;/error&gt; &lt;/errors&gt;</pre>
201	CREATED	

### Example

### Failed request

```
# curl -i -H 'Content-type: text/xml' -X POST http://localhost:3000/account_session.xml?locale=en -d "
<account_session>
  <username>mario</username>
  <password>mario01</password>
</account_session>
"
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Thu, 10 May 2012 14:50:09 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.225505
Content-Length: 102
Cache-Control: no-cache
Set-Cookie: _session_id=8d75fd3d53900ecc8599de64e767949d; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Wrong username or password</error>
</errors>
```

## Successful request

```
# curl -i -H 'Content-type: text/xml' -X POST http://localhost:3000/account_session.xml?locale=en -d "<account_session>
  <username>user</username>
  <password>realpassword</password>
</account_session>
"
HTTP/1.1 201 Created
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Thu, 10 May 2012 14:54:06 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.326763
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=d3be989ee55eeaf2ade5c4f140372d22; path=/; HttpOnly
Set-Cookie: account_credentials=b6001d2a51cf24803d83935d86253091c33e65190005ce5783fe9f22d6e5555d70d278ffa722541efe8f0a159249b936ea8b98556b4eb686146633be3ef76f25%3A%3A1; path=/
```

# User

## Create

### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
POST	/users.xml	<pre>&lt;user&gt;   <i>User attributes</i> &lt;/user&gt;</pre>

### HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;errors&gt;   &lt;error&gt;<b>error1</b>&lt;/error&gt;   &lt;error&gt;<b>error2</b>&lt;/error&gt;   ...   &lt;error&gt;<b>errorN</b>&lt;/error&gt; &lt;/errors&gt;</pre>
201	CREATED	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;user&gt;   <i>User attributes</i> &lt;/user&gt;</pre>

### Example

### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X POST http://localhost:3000/users.xml?locale=en -d "
<user>
  <given-name>MyName</given-name>
  <surname>MySurname</surname>
  <address>Via con il vento</address>
  <city>Roma</city>
  <zip>00100</zip>
  <birth-date>1976-05-23</birth-date>
  <username>username</username>
  <password>password1</password>
  <password-confirmation>password1</password-confirmation>
  <email>me@email.com</email>
  <email-confirmation>me@email.com</email-confirmation>
  <verification-method>no_identity_verification</verification-method>
  <privacy-acceptance>true</privacy-acceptance>
  <eula-acceptance>true</eula-acceptance>
  <verified>true</verified>
  <active>true</active>
  <state>Italy</state>
  <radius-group-ids type='array'>
    <radius-group-id>2</radius-group-id>
  </radius-group-ids>
</user>
```



```
"
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 09:28:10 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.398303
Content-Length: 153
Cache-Control: no-cache
Set-Cookie: _session_id=5582194a04b7cdc0b8ccaabd12c8465c; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Username has already been taken</error>
  <error>Email has already been taken</error>
</errors>
```

## Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X POST http://localhost:3000/users.xml?locale=en -d "
<user>
  <given-name>MyName</given-name>
  <surname>MySurname</surname>
  <address>Via con il vento</address>
  <city>Roma</city>
  <zip>00100</zip>
  <birth-date>1976-05-23</birth-date>
  <username>username</username>
  <password>password1</password>
  <password-confirmation>password1</password-confirmation>
  <email>me@email.com</email>
  <email-confirmation>me@email.com</email-confirmation>
  <verification-method>no_identity_verification</verification-method>
  <privacy-acceptance>true</privacy-acceptance>
  <eula-acceptance>true</eula-acceptance>
  <verified>true</verified>
  <active>true</active>
  <state>Italy</state>
  <radius-group-ids type='array'>
    <radius-group-id>2</radius-group-id>
  </radius-group-ids>
</user>
"
HTTP/1.1 201 Created
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 09:42:22 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.503151
Content-Length: 2001
Cache-Control: no-cache
Set-Cookie: _session_id=fblcf0dc11d16a8568a3cf4f3a6d3538; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<user>
  <address>Via con il vento</address>
  <city>Roma</city>
  <image-file-data type="binary" nil="true" encoding="base64"></image-file-data>
  <created-at type="datetime">2012-05-14T11:42:22+02:00</created-at>
  <last-request-at type="datetime" nil="true"></last-request-at>
  <verified-at type="datetime">2012-05-14T11:42:22+02:00</verified-at>
  <zip>00100</zip>
  <email-confirmation type="NilClass">me@email.com</email-confirmation>
  <notes nil="true"></notes>
  <updated-at type="datetime">2012-05-14T11:42:22+02:00</updated-at>
  <mobile-prefix nil="true"></mobile-prefix>
  <recovered-at type="datetime" nil="true"></recovered-at>
  <username>username</username>
  <birth-date type="date">1976-05-23</birth-date>
  <current-login-ip nil="true"></current-login-ip>
  <failed-login-count type="integer">0</failed-login-count>
  <id type="integer">11</id>
  <mobile-suffix nil="true"></mobile-suffix>
  <privacy-acceptance type="boolean">true</privacy-acceptance>
  <recovered type="boolean" nil="true"></recovered>
  <verification-method>no_identity_verification</verification-method>
  <current-login-at type="datetime" nil="true"></current-login-at>
  <eula-acceptance type="boolean">true</eula-acceptance>
  <login-count type="integer">0</login-count>
  <given-name>MyName</given-name>
```

```
<last-login-ip nil="true"></last-login-ip>
<verified type="boolean">true</verified>
<last-login-at type="datetime" nil="true"></last-login-at>
<surname>MySurname</surname>
<active type="boolean">true</active>
<email>me@email.com</email>
<state>Italy</state>
<radius-groups type="array">
  <radius-group>
    <name>Users</name>
    <created-at type="datetime">2009-12-28T14:36:50+01:00</created-at>
    <notes>Default groups for users</notes>
    <updated-at type="datetime">2012-05-10T12:53:53+02:00</updated-at>
    <priority type="integer">2</priority>
    <id type="integer">2</id>
  </radius-group>
</radius-groups>
</user>
```

## Read

### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
GET	/users/ :id.xml /users/ :username.xml	

### HTTP Response

HTTP Code	Meaning	Content
200	OK	<?xml version="1.0" encoding="UTF-8"?> <user> <i>User attributes</i> </user>
404	NOT FOUND	

### Example

### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X GET http://localhost:3000/users/10.xml?locale=en
HTTP/1.1 404 Not Found
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: text/html; charset=utf-8
Date: Mon, 14 May 2012 09:44:30 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.379873
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=57b95bb2e32b14344613a4fc7185472b; path=/; HttpOnly
```

## Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X GET http://localhost:3000/users/11.xml?locale=en
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Etag: "c8552fdca13e4b1d199d877d3854ee94"
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 09:44:57 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.374612
Content-Length: 2032
Cache-Control: max-age=0, private, must-revalidate
Set-Cookie: _session_id=fddb1c4ce9b71dc86fd21e4d1c0a86f6; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<user>
  <address>Via con il vento</address>
  <city>Roma</city>
  <image-file-data type="binary" nil="true" encoding="base64"></image-file-data>
  <created-at type="datetime">2012-05-14T11:42:22+02:00</created-at>
  <last-request-at type="datetime" nil="true"></last-request-at>
  <verified-at type="datetime">2012-05-14T11:42:22+02:00</verified-at>
  <zip>00100</zip>
  <notes nil="true"></notes>
  <updated-at type="datetime">2012-05-14T11:42:22+02:00</updated-at>
  <mobile-prefix nil="true"></mobile-prefix>
  <recovered-at type="datetime" nil="true"></recovered-at>
  <username>username</username>
  <birth-date type="date">1976-05-23</birth-date>
  <current-login-ip nil="true"></current-login-ip>
  <failed-login-count type="integer">0</failed-login-count>
  <id type="integer">11</id>
  <mobile-suffix nil="true"></mobile-suffix>
  <privacy-acceptance type="boolean">true</privacy-acceptance>
  <recovered type="boolean" nil="true"></recovered>
  <verification-method>no_identity_verification</verification-method>
  <current-login-at type="datetime" nil="true"></current-login-at>
  <eula-acceptance type="boolean">true</eula-acceptance>
  <login-count type="integer">0</login-count>
  <given-name>MyName</given-name>
  <last-login-ip nil="true"></last-login-ip>
  <verified type="boolean">true</verified>
  <last-login-at type="datetime" nil="true"></last-login-at>
  <surname>MySurname</surname>
  <active type="boolean">true</active>
  <email>me@email.com</email>
  <state>Italy</state>
  <radius-groups type="array">
    <radius-group>
      <name>Users</name>
      <created-at type="datetime">2009-12-28T14:36:50+01:00</created-at>
      <notes>Default groups for users</notes>
      <updated-at type="datetime">2012-05-10T12:53:53+02:00</updated-at>
      <priority type="integer">2</priority>
      <id type="integer">2</id>
      <user-id type="NilClass">11</user-id>
      <radius-group-id type="NilClass">2</radius-group-id>
    </radius-group>
  </radius-groups>
</user>
```

## Update

## HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
PUT	/users/: <b>id</b> .xml /users/: <b>username</b> .xml	<?xml version="1.0" encoding="UTF-8"?>           <user> <i>User attributes to be changed</i> </user>

## HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;errors&gt;   &lt;error&gt;<b>error1</b>&lt;/error&gt;   &lt;error&gt;<b>error2</b>&lt;/error&gt;   ...   &lt;error&gt;<b>errorN</b>&lt;/error&gt; &lt;/errors&gt;</pre>
200	OK	

## Example

### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X PUT http://localhost:3000/users/11.xml?locale=en -d "
<user>
> <email>invalid_email</email>
> <email_confirmation>invalid_email</email_confirmation>
> </user>
> "
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 09:56:18 GMT
Server: WEBBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.425134
Content-Length: 116
Cache-Control: no-cache
Set-Cookie: _session_id=8e0ac4db9962d51416c15e1ced2c2b81; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Email should look like an e-mail address</error>
</errors>
```

### Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X PUT http://localhost:3000/users/11.xml?locale=en -d "
<user>
> <radius-group-ids type='array'>
>   <radius-group-id>1</radius-group-id>
>   <radius-group-id>2</radius-group-id>
> </radius-group-ids>
> </user>
> "
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Etag: "0ce4f7827a074f31dc77a8aa295e7037"
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 09:52:42 GMT
Server: WEBBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.500385
Content-Length: 1
Cache-Control: max-age=0, private, must-revalidate
Set-Cookie: _session_id=3aef73c5a4dc3e6fc73a6c53b747990c; path=/; HttpOnly
```

## Destroy

### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
DELETE	/users/: <b>id</b> .xml /users/: <b>username</b> .xml	

### HTTP Response

HTTP Code	Meaning	Content
404	NOT FOUND	
200	OK	

### Example

#### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X DELETE http://localhost:3000/users/11.xml?locale=en
HTTP/1.1 404 Not Found
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: text/html; charset=utf-8
Date: Mon, 14 May 2012 10:12:59 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.328074
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=8929f422f04d061975524d845e14948b; path=/; HttpOnly
```

#### Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X DELETE http://localhost:3000/users/11.xml?locale=en
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 10:12:43 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.469990
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=5dfa997a7b3921d3d21b5339f1b5a036; path=/; HttpOnly
```

## Radius Group

### Create

#### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
POST	/radius_groups.xml	<pre>&lt;radius-group&gt;   &lt;name&gt;<b>RADIUS GROUP NAME</b>&lt;/name&gt;   &lt;notes&gt;<b>NOTES</b>&lt;/notes&gt;   &lt;priority&gt;<b>PRIORITY</b>&lt;/priority&gt; &lt;/radius-group&gt;</pre>

#### HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;errors&gt;   &lt;error&gt;<b>error1</b>&lt;/error&gt;   &lt;error&gt;<b>error2</b>&lt;/error&gt;   ...   &lt;error&gt;<b>errorN</b>&lt;/error&gt; &lt;/errors&gt;</pre>
201	CREATED	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;radius-group&gt;   &lt;name&gt;<b>RADIUS GROUP NAME</b>&lt;/name&gt;   &lt;created-at type="datetime"&gt;2012-05-14T12:33:37+02:00&lt;/created-at&gt;   &lt;notes&gt;<b>NOTES</b>&lt;/notes&gt;   &lt;updated-at type="datetime"&gt;2012-05-14T12:33:37+02:00&lt;/updated-at&gt;   &lt;priority type="integer"&gt;<b>PRIORITY</b>&lt;/priority&gt;   &lt;id type="integer"&gt;5&lt;/id&gt; &lt;/radius-group&gt;</pre>

#### Example

## Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X POST http://localhost:3000/radius_groups.xml?
locale=en -d "
<radius-group>
  <name>Disabled</name>
  <notes/>
  <priority>1</priority>
</radius-group>
"
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Location: http://localhost:3000/radius_groups
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 10:33:00 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.155841
Content-Length: 103
Cache-Control: no-cache
Set-Cookie: _session_id=4aa00c265a928c13700f9b85b773ebc9; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Name has already been taken</error>
</errors>
```

## Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X POST http://localhost:3000/radius_groups.xml?
locale=en -d "
<radius-group>
  <name>BadGuys</name>
  <notes/>
  <priority>1</priority>
</radius-group>
"
HTTP/1.1 201 Created
X-Ua-Compatible: IE=Edge
Location: http://localhost:3000/radius_groups
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 10:33:37 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.162498
Content-Length: 328
Cache-Control: no-cache
Set-Cookie: _session_id=7f49d252645fbeb3128df72a81112998; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<radius-group>
  <name>BadGuys</name>
  <created-at type="datetime">2012-05-14T12:33:37+02:00</created-at>
  <notes nil="true"></notes>
  <updated-at type="datetime">2012-05-14T12:33:37+02:00</updated-at>
  <priority type="integer">1</priority>
  <id type="integer">5</id>
</radius-group>
```

## Read

## HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
GET	/radius_groups/:id.xml	

## HTTP Response

HTTP Code	Meaning	Content
200	OK	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;radius-group&gt;   &lt;name&gt;<b>RADIUS GROUP NAME</b>&lt;/name&gt;   &lt;notes&gt;<b>NOTES</b>&lt;/notes&gt;   &lt;priority&gt;<b>PRIORITY</b>&lt;/priority&gt; &lt;/radius-group&gt;</pre>
404	NOT FOUND	

## Example

### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X GET http://localhost:3000/radius_groups/8.xml?
locale=en
HTTP/1.1 404 Not Found
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: text/html; charset=utf-8
Date: Mon, 14 May 2012 10:38:44 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.129446
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=af82ac737f3493c519171a5bdb81b51b; path=/; HttpOnly
```

### Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X GET http://localhost:3000/radius_groups/5.xml?
locale=en
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Etag: "a795beb4e52f94ec005a577661a70531"
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 10:37:21 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.181116
Content-Length: 328
Cache-Control: max-age=0, private, must-revalidate
Set-Cookie: _session_id=71c3016bfb1d626769a6e0bbd5f66eal; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<radius-group>
  <name>BadGuys</name>
  <created-at type="datetime">2012-05-14T12:33:37+02:00</created-at>
  <notes nil="true"></notes>
  <updated-at type="datetime">2012-05-14T12:33:37+02:00</updated-at>
  <priority type="integer">1</priority>
  <id type="integer">5</id>
</radius-group>
```

## Update

### HTTP Request (\*)



Verb	URLs	POSTDATA (XML)
PUT	/radius_groups/: <b>id</b> .xml	<pre>&lt;radius-group&gt;   &lt;name&gt;<b>NEW RADIUS GROUP NAME</b>&lt;/name&gt;   &lt;notes&gt;<b>NEW NOTES</b>&lt;/notes&gt;   &lt;priority&gt;<b>NEW PRIORITY</b>&lt;/priority&gt; &lt;/radius-group&gt;</pre>

## HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;errors&gt;   &lt;error&gt;<b>error1</b>&lt;/error&gt;   &lt;error&gt;<b>error2</b>&lt;/error&gt;   ...   &lt;error&gt;<b>errorN</b>&lt;/error&gt; &lt;/errors&gt;</pre>
200	OK	

## Example

### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X PUT http://localhost:3000/radius_groups/5.xml?
locale=en -d "
<radius-group>
  <name>BadGuys</name>
  <notes>This group contains users with limited bandwidth</notes>
  <priority>there are priorities...</priority>
</radius-group>
"
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Location: http://localhost:3000/radius_groups
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 10:46:26 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.169848
Content-Length: 100
Cache-Control: no-cache
Set-Cookie: _session_id=20fa7f99d7cda54638b3362deff009d2; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Priority is not a number</error>
</errors>
```

## Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X PUT http://localhost:3000/radius_groups/5.xml?
locale=en -d "
<radius-group>
  <name>BadGuys</name>
  <notes>This group contains users with limited bandwidth</notes>
  <priority>2</priority>
</radius-group>
"
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 10:51:47 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.156573
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=bc4d23ac2f5dca6f3b00b74b8cd86e2e; path=/; HttpOnly
```

## Destroy

### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)
DELETE	/radius_groups/:id.xml	

### HTTP Response

HTTP Code	Meaning	Content
200	OK	
404	NOT FOUND	

### Example

### Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X DELETE http://localhost:3000/radius_groups/5.xml?
locale=en
HTTP/1.1 404 Not Found
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: text/html; charset=utf-8
Date: Mon, 14 May 2012 10:48:09 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.075196
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=c8952115c25f7b6a79a1b70f72e38f60; path=/; HttpOnly
```

## Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X DELETE http://localhost:3000/radius_groups/5.xml?
locale=en
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 11:06:11 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.250730
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=450f4a3117f7972157e83aba0b4afd0c; path=/; HttpOnly
```

## Another

### Create

#### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)

#### HTTP Response

HTTP Code	Meaning	Content

#### Example

#### Failed request

#### Successful request

### Read

#### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)

#### HTTP Response

HTTP Code	Meaning	Content

#### Example

#### Failed request

## Successful request

### Update

#### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)

#### HTTP Response

HTTP Code	Meaning	Content

#### Example

## Failed request

## Successful request

### Destroy

#### HTTP Request (\*)

Verb	URLs	POSTDATA (XML)

#### HTTP Response

HTTP Code	Meaning	Content

#### Example

## **Failed request**

## **Successful request**