

DRAFT

OpenWISP User Management System RESTful API documentation



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

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HTTP Response	30
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General information

HTTP error codes

The following table list error codes supported by the application.

Result Message	Code	Meanings
Successful results		
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.
Client errors		
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.
Server errors		
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

Resources that require operator authentication to be accessed are marked with an asterisk (*). Required roles are specified in each section.

Requested authentication method is the “Basic HTTP Authentication”.

Account Session

Create

Required roles

No role required

HTTP Request

Verb	URLs	XML POSTDATA
POST	/account_session.xml /login.xml	<account_session> <username> USERNAME </username> <password> PASSWORD </password> </account_session>

HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<?xml version="1.0" encoding="UTF-8"?> <errors> <error> error1 </error> <error> error2 </error> ... <error> errorN </error> </errors>
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=b6001d2a51cf24803d83935d86253091c33e65190005ce5783fe9f22d6e5555d70d278ffa722541efe8f0a1
59249b936ea8b98556b4eb686146633be3ef76f25%3A%3A1; path=/"
```


User (*)

Create

Required roles

users_manager
users_registrant

HTTP Request

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

HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre><?xml version="1.0" encoding="UTF-8"?> <errors> <error>error1</error> <error>error2</error> ... <error>errorN</error> </errors></pre>
201	CREATED	<pre><?xml version="1.0" encoding="UTF-8"?> <user> <i>User attributes</i> </user></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=fb1cf0dc11d16a8568a3cf4f3a6d3538; 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

Required roles

users_browser
users_finder

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

Required roles

users_manager

HTTP Request

Verb	URLs	POSTDATA (XML)
PUT	/users/: id .xml /users/: username .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	<?xml version="1.0" encoding="UTF-8"?> <errors> <error> error1 </error> <error> error2 </error> ... <error> errorN </error> </errors>
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: WEBrick/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: WEBrick/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

Required roles

users_destroyer

HTTP Request

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

Required roles

radius_groups_creator

HTTP Request

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

HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre><?xml version="1.0" encoding="UTF-8"?> <errors> <error>error1</error> <error>error2</error> ... <error>errorN</error> </errors></pre>
201	CREATED	<pre><?xml version="1.0" encoding="UTF-8"?> <radius-group> <name>RADIUS GROUP NAME</name> <created-at type="datetime">CREATION DATE</created-at> <updated-at type="datetime">UPDATE DATE</updated-at> <notes>NOTES</notes> <priority type="integer">PRIORITY</priority> <id type="integer">ID</id> </radius-group></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

Required roles

radius_groups_viewer

HTTP Request - List

Verb	URLs	POSTDATA (XML)
GET	/radius_groups.xml	

HTTP Response - List

HTTP Code	Meaning	Content
200	OK	<pre><?xml version="1.0" encoding="UTF-8"?> <radius-groups type="array"> <radius-group> <created-at type="datetime">CREATION DATE</created-at> <updated-at type="datetime">UPDATE DATE</updated-at> <id type="integer">ID</id> <name>RADIUS GROUP NAME</name> <notes>NOTES</notes> <priority>PRIORITY</priority> </radius-group> ... <radius-group> <created-at type="datetime">Another CREATION DATE</created-at> <updated-at type="datetime">Another UPDATE DATE</updated-at> <id type="integer">Another ID</id> <name>Another RADIUS GROUP NAME</name> <notes>Another NOTES</notes> <priority>Another PRIORITY</priority> </radius-group> </radius-groups></pre>

HTTP Request - show

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

HTTP Response - show

HTTP Code	Meaning	Content
200	OK	<pre><?xml version="1.0" encoding="UTF-8"?> <radius-group> <created-at type="datetime">CREATION DATE</created-at> <updated-at type="datetime">UPDATE DATE</updated-at> <id type="integer">ID</id> <name>RADIUS GROUP NAME</name> <notes>NOTES</notes> <priority>PRIORITY</priority> </radius-group></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=71c3016bfbld626769a6e0bbd5f66eal; 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

Required roles

radius_groups_manager

HTTP Request

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

HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre><?xml version="1.0" encoding="UTF-8"?> <errors> <error>error1</error> <error>error2</error> ... <error>errorN</error> </errors></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

Required roles

radius_groups_destroyer

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
```

Users' Radius Checks (*)

External documentation

<http://wiki.freeradius.org/Operators>

Create

Required roles

radius_checks_creator

HTTP Request

Verb	URLs	POSTDATA (XML)
POST	/users/: user_id /radius_checks /users/: username /radius_checks	<pre><radius-check> <check-attribute>RADIUS CHECK ATTRIBUTE</check-attribute> <op>RADIUS CHECK OPERATOR</op> <value>RADIUS CHECK VALUE</value> </radius-check></pre>

HTTP Response

HTTP Code	Meaning	Content
422	UNPROCESSABLE ENTITY	<pre><?xml version="1.0" encoding="UTF-8"?> <errors> <error>error1</error> <error>error2</error> ... <error>errorN</error> </errors></pre>
200	OK	<pre><?xml version="1.0" encoding="UTF-8"?> <radius-check> <radius-entity-type>AccountCommon</radius-entity-type> <created-at type="datetime">CREATION DATE</created-at> <op>RADIUS CHECK OPERATOR</op> <radius-entity-id type="integer">USER_ID</radius-entity-id> <updated-at type="datetime">UPDATE DATE</updated-at> <id type="integer">ID</id> <value>RADIUS CHECK VALUE</value> <check-attribute>RADIUS CHECK ATTRIBUTE</check-attribute> </radius-check></pre>

Example

Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X POST http://localhost:3000/users/1/
radius_checks.xml?locale=en -d "
<radius-check>
  <check-attribute>Max-Daily-Session</check-attribute>
  <op>invalid operator</op>
  <value>360</value>
</radius-check>
"
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Location: http://localhost:3000/users/1
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 15:36:41 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.424751
Content-Length: 162
Cache-Control: no-cache
Set-Cookie: _session_id=2db790005fa8bc7245200a4d52bdf5ac; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Check attribute has already been taken</error>
  <error>Op is not included in the list</error>
</errors>
```

Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X POST http://localhost:3000/users/1/
radius_checks.xml?locale=en -d "
<radius-check>
<check-attribute>Max-Daily-Session</check-attribute>
<op>:=</op>
<value>360</value>
</radius-check>
"
HTTP/1.1 201 Created
X-Ua-Compatible: IE=Edge
Location: http://localhost:3000/users/1
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 15:33:29 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.392679
Content-Length: 440
Cache-Control: no-cache
Set-Cookie: _session_id=9da67da731971e07c270729432593f6b; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<radius-check>
  <radius-entity-type>AccountCommon</radius-entity-type>
  <created-at type="datetime">2012-05-14T17:33:29+02:00</created-at>
  <op>:=</op>
  <radius-entity-id type="integer">1</radius-entity-id>
  <updated-at type="datetime">2012-05-14T17:33:29+02:00</updated-at>
  <id type="integer">23</id>
  <value>360</value>
  <check-attribute>Max-Daily-Session</check-attribute>
</radius-check>
```

Read

HTTP Request - List

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

HTTP Response - List

HTTP Code	Meaning	Content
200	OK	<pre><?xml version="1.0" encoding="UTF-8"?> <radius-checks type="array"> <radius-check> <radius-entity-type>AccountCommon</radius-entity-type> <created-at type="datetime">CREATION DATE</created-at> <op>RADIUS CHECK OPERATOR</op> <radius-entity-id type="integer">USER_ID</radius-entity-id> <updated-at type="datetime">UPDATE DATE</updated-at> <id type="integer">ID</id> <value>RADIUS CHECK VALUE</value> <check-attribute>RADIUS CHECK ATTRIBUTE</check-attribute> </radius-check> ... <radius-check> <radius-entity-type>AccountCommon</radius-entity-type> <created-at type="datetime">Another CREATION DATE</created-at> <op>Another RADIUS CHECK OPERATOR</op> <radius-entity-id type="integer">USER_ID</radius-entity-id> <updated-at type="datetime">Another UPDATE DATE</updated-at> <id type="integer">Another ID</id> <value>Another RADIUS CHECK VALUE</value> <check-attribute>Another RADIUS CHECK ATTRIBUTE</check-attribute> </radius-check> </radius-checks></pre>
404	NOT FOUND	

HTTP Request - Show

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

HTTP Response - Show

HTTP Code	Meaning	Content
200	OK	<pre><?xml version="1.0" encoding="UTF-8"?> <radius-check> <radius-entity-type>AccountCommon</radius-entity-type> <created-at type="datetime">CREATION DATE</created-at> <op>RADIUS CHECK OPERATOR</op> <radius-entity-id type="integer">USER_ID</radius-entity-id> <updated-at type="datetime">UPDATE DATE</updated-at> <id type="integer">ID</id> <value>RADIUS CHECK VALUE</value> <check-attribute>RADIUS CHECK ATTRIBUTE</check-attribute> </radius-check></pre>
404	NOT FOUND	

Example

Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X GET http://localhost:3000/users/nonexistaetuser/radius_checks.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 15:03:05 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.466966
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=a9ae5f4ab329f341431e7ac2a882cd18; path=/; HttpOnly
```

Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X GET http://localhost:3000/users/1/radius_checks.xml?locale=en
HTTP/1.1 200 OK
X-Ua-Compatible: IE=Edge
Etag: "93e91e7302837789def657348b326894"
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 14:59:42 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.399107
Content-Length: 520
Cache-Control: max-age=0, private, must-revalidate
Set-Cookie: _session_id=1f81bd2e8982861cdb935ae0fa430e9e; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<radius-checks type="array">
  <radius-check>
    <radius-entity-type>AccountCommon</radius-entity-type>
    <created-at type="datetime">2012-05-10T12:53:16+02:00</created-at>
    <op>=</op>
    <radius-entity-id type="integer">1</radius-entity-id>
    <updated-at type="datetime">2012-05-10T12:53:16+02:00</updated-at>
    <id type="integer">22</id>
    <value>3000000000</value>
    <check-attribute>Max-Daily-Session-Traffic</check-attribute>
  </radius-check>
</radius-checks>
```

Update

HTTP Request

Verb	URLs	POSTDATA (XML)
PUT	/users/: user_id /radius_checks/: id .xml /users/: username /radius_checks/: id .xml	<pre><radius-check> <check-attribute>New RADIUS CHECK ATTRIBUTE</check-attribute> <op>New RADIUS CHECK OPERATOR</op> <value>New RADIUS CHECK VALUE</value> </radius-check></pre>

HTTP Response

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

Example

Failed request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X PUT http://localhost:3000/users/1/radius_checks/23.xml?locale=en -d "
<radius-check>
  <value></value>
</radius-check>
"
HTTP/1.1 422
X-Ua-Compatible: IE=Edge
Location: http://localhost:3000/users/1
Connection: Keep-Alive
Content-Type: application/xml; charset=utf-8
Date: Mon, 14 May 2012 15:44:04 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.527406
Content-Length: 96
Cache-Control: no-cache
Set-Cookie: _session_id=593306e56c35db97728e579a62c213d0; path=/; HttpOnly

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>Value can't be blank</error>
</errors>
```

Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X PUT http://localhost:3000/users/1/radius_checks/23.xml?locale=en -d "
<radius-check>
  <value>360</value>
</radius-check>
"
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 15:43:08 GMT
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)
X-Runtime: 0.419544
Content-Length: 1
Cache-Control: no-cache
Set-Cookie: _session_id=f8adbae37924b9f49320ba2cc6b80584; path=/; HttpOnly
```

Destroy

HTTP Request

Verb	URLs	POSTDATA (XML)
DELETE	/users/: user_id /radius_checks/: id .xml /users/: username /radius_checks/: 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/users/1/radius_checks/  
24.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 15:54:07 GMT  
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)  
X-Runtime: 0.343375  
Content-Length: 1  
Cache-Control: no-cache  
Set-Cookie: _session_id=46f91545873e861b54a915fc9497643d; path=/; HttpOnly
```

Successful request

```
# curl -i -u admin:admin -H 'Content-type: text/xml' -X DELETE http://localhost:3000/users/1/radius_checks/  
21.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 15:51:51 GMT  
Server: WEBrick/1.3.1 (Ruby/1.8.7/2011-02-18)  
X-Runtime: 0.341959  
Content-Length: 1  
Cache-Control: no-cache  
Set-Cookie: _session_id=816a1e1ff1ea2d4ca0440b24ec128c63; path=/; HttpOnly
```

Another resource

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