

# HSMX XML specification 5.0

## XML listener

The HSMX will process all incoming request coming from an IP configured in system -> XML server. The requests should be sent to `http://[gateway_ip]/xml/command.php`

## XML Format

### Get users

```
<hsmx>
  <command>get_users</command>
  <return></return>
  <where>
    <field></field>
    <operator></operator>
    <value></value>
  </where>
  <from></from>
  <to></to>
  <order_by></order_by>
</hsmx>
```

### Allowed fields

Allowed values for tags "return", "field (where) and "order\_by" are "user", "lastname", "firstname", "country", "state", "zip", "street", "city", "email", "phone", "fax", "free", "room", "added", "status", "user\_create", "payment", "company", "price", "session\_timeout", "volume\_up", "volume\_down", "expiration", "expire\_time", "start\_date", "expire\_creation", "limit\_mac", "band\_up", "band\_down", "url\_redirect", "ip\_upsell", "sim\_use", "idle\_timeout", "acc\_interim", "policy", "qos\_profile" + all custom fields configured in settings-> custom fields.

Note The custom fields can only be used in the order\_by tag when they are also in the return tag.

To retrieve the number of users use the "count" value in the return tag.

Allowed operators are "=" (equal), "<>" (different from), "~" (regex)

### Required tags

command and return are required.

## Add user

```
<hsmx>
  <command>add_user</command>
  <username></username>
  <password></password>
  <plan></plan>
  <fields>
    <idle_timeout></idle_timeout>
    <firstname></firstname>
    ...
  </fields>
</hsmx>
```

### Allowed fields

Allowed tags between the "fields" tag are: "order\_by", "user", "lastname", "firstname", "country", "state", "zip", "street", "city", "email", "phone", "fax", "free", "room", "added", "status", "user\_create", "payment", "company", "price", "session\_timeout", "volume\_up", "volume\_down", "expiration", "expire\_time", "start\_date", "expire\_creation", "limit\_mac", "band\_up", "band\_down", "url\_redirect", "ip\_upsell", "sim\_use", "idle\_timeout", "acc\_interim", "policy", "qos\_profile" + all custom fields configured in settings-> custom fields.

### Required tags

command.

Note To add a custom "billing plan" to the newly created subscriber you can use the subscriber plan fields without plan tag (like idle\_timeout), to add a subscriber plan based on an existing billing you can use the plan tag. Both plan and fields can be used together.

The system will generate an account if no username and password is detected, the newly created account will be in the response (username and password tag).

## Add user (registration form)

```
<hsmx>
  <command>add_user</command>
  <registration_form></registration_form>
  <fields>
    <idle_timeout>60</idle_timeout>
    <firstname>Test</firstname>
  </fields>
</hsmx>
```

## Allowed fields

Allowed tags between the "fields" tag are those configured in the registration form: firstname, mail, ....

## Required tags

command, registration form and fields if any fields are mandatory.

The registration form id can be seen when configuration a registration form in the admin GUI (URL).

## **Delete users**

```
<hsmx>
  <command>delete_users</command>
  <where>
    <field></field>
    <operator></operator>
    <value></value>
  </where>
</hsmx>
```

## Allowed fields

Allowed value between the "field" tag are: "order\_by", "user", "lastname", "firstname", "country", "state", "zip", "street", "city", "email", "phone", "fax", "free", "room", "added", "status", "user\_create", "payment", "company", "price", "session\_timeout", "volume\_up", "volume\_down", "expiration", "expire\_time", "start\_date", "expire\_creation", "limit\_mac", "band\_up", "band\_down", "url\_redirect", "ip\_upsell", "sim\_use", "idle\_timeout", "acc\_interim", "policy", "qos\_profile" + all custom fields configured in settings-> custom fields.

## Required tags

command and where tag.

## **Update users**

```
<hsmx>
  <command>update_users</command>
  <fields>
    <country></country>
    <street></street>
    ...
  </fields>
  <where>
    <field></field>
    <operator></operator>
    <value></value>
  </where>
</hsmx>
```

### Allowed fields

Allowed tags / value between the "fields" and "field" (where) tag are: "order\_by", "user", "lastname", "firstname", "country", "state", "zip", "street", "city", "email", "phone", "fax", "free", "room", "added", "status", "user\_create", "payment", "company", "price", "session\_timeout", "volume\_up", "volume\_down", "expiration", "expire\_time", "start\_date", "expire\_creation", "limit\_mac", "band\_up", "band\_down", "url\_redirect", "ip\_upsell", "sim\_use", "idle\_timeout", "acc\_interim", "policy", "qos\_profile" + all custom fields configured in settings-> custom fields.

### Required tags

command, fields and where.

## **Add plan**

See Add user, the only difference is the tag value "add\_plan".

## **Login user**

```
<hsmx>
  <command>login_user</command>
  <username></username>
  <password></password>
  <mac></mac>
  <ip></ip>
</hsmx>
```

### Required tags

command, username, password and mac / IP.

## Logout user

```
<hsmx>  
  <command>logout_user</command>  
  <username></username>  
  <mac></mac>  
  <ip></ip>  
</hsmx>
```

### Required tags

command, username and mac / IP.

## Get non-active sessions

```
<hsmx>  
  <command>get_sessions</command>  
  <username>test</username>  
  <return>acctstarttime,nasidentifier,acctstoptime</return>  
  <order_by>acctstarttime</order_by>  
</hsmx>
```

### Allowed return fields

Acctstarttime, nasidentifier, acctstoptime, acctsessiontime, acctoutputoctets, acctinputoctets, framedipaddress, callingstationid, calledstationid and acctterminatecause.

### Required tags

command and username.

## Delete sessions

```
<hsmx>  
  <command>get_sessions</command>  
  <username>test</username>  
  <return>acctstarttime,nasidentifier,acctstoptime</return>  
  <order_by>acctstarttime</order_by>  
</hsmx>
```

### Allowed fields

Allowed filter fields: username, mac.

Required tags

command and where.

## Get devices (unique mac addresses)

```
<hsmx>  
  <command>get_devices</command>  
  <username>test</username>  
</hsmx>
```

Required tags

command and username.

## Answer

Answer result will either be 1 for OK or 2 if an error occurred, the error description will be between the description tag.