RESTful API Specification

Contents

Creating Group Conference

Getting Group Conference

Editing Group Conference

Deleting Group Conference

Getting List of Group Conference

Getting User Address Book

Adding Contact to User Address Book

Editing Contact in User Address Book

Deleting Contact from User Address Book

Request authentication is based on a one-time password token transmitted in the HTTP header Authorization.

```
GET /resource HTTP/1.1
Host: server.example.com
Authorization: MF49VB5FE41J4M
```

Token generation:

token = md5(HTTP_METHOD + (the full URL of a request, including QueryString) + (body POST or PUT of a request) + Timestamp + secret_key) + dechex(timestamp), ***secret_key*** – is a secret key specified on the web configurator **page «Web -> Security»**.

An example in PHP:

```
$timestamp = time() + 60; // Token lifetime is 60 seconds from now $token =
Md5('PUT' . 'http://exemple.com:8080/api/v1/conference/123asd123' .
'topic=topic&owner=user@example.org&type=50&start_time=3423423423&partici
pants[]=user1&particip ants[]=user2' . $timestamp . $secret_key) .
dechex($timestamp);
```

Creating Group Conference

POST-request for URL: http://example.com:8080/api/v1/conference

Parameters:

Parameter Name	Parameter Value
topic	Conference name. Displayed on the WebRTC page.
owner	User TrueConf ID specified by the conference moderator.
type	Numeric identifier of the conference type (symmetric - 0, asymmetric - 1, role-based - 3).
invitation_type	Conference scheduling type: • -1 – the start time of the conference is not specified • 1 –non recurrent conference • 0 –a weekly conference
invitation_timestamp	The start time of the conference. Unix Timestamp. For nonrecurrent conferences only.

invitation_day	An array containing numbers for week days. For weekly conferences only.
invitation_time	The start time of the conference hh:mm. For weekly conferences only.
participants	An array of TrueConf ID of the conference participants.

The response is generated in JSON format.

Successful answer:


```
{
    "cid": "\c\123asd123"
    "url": "http://example.com/c/123asd123",
    "topic": "Conference name",
    "owner": "user@example.videoserver.com",
    "type": "1",
    "start_time": ""start time of the conference",
    "participants": ["user1@example.videoserver.com",
"user2@example.videoserver.com",
"user3@example.videoserver.com",
"user4@example.videoserver.com"]
}
```


Where **cid** is a unique identifier of the conference and **url** is the page address for joining the conference through a WebRTC client.

Error response:

```
{
    "error": {
        "code": 401,
        "message": ""Error description""
    }
}
```

Getting Group Conference

GET- request for URL:
http://example.com:8080/api/v1/conference/123asd123

Successful answer:

```
{
    "cid": "\c\123asd123"
    "url": "http://example.com/c/123asd123",
    "topic": "Conference name",
    "owner": "user@example.videoserver.com",
    "type": "1",
    "start_time": "start time of the conference",
    "participants": ["user1@example.videoserver.com",
"user2@example.videoserver.com",
"user3@example.videoserver.com",
"user4@example.videoserver.com"]
}
```

Where **cid** is a unique identifier of the conference and **url** is the page address for joining the group conference through a WebRTC client.

Error response is similar to first paragraph.

Editing Group Conference

PUT- request for URL:

http://example.com:8080/api/v1/conference/123asd123

Parameters:

Parameter Name	Parameter Value
topic	Conference name. Displayed on the WebRTC page.
owner	User TrueConf ID specified by the conference moderator.
type	Numeric identifier of the conference type (symmetric - 0, asymmetric - 1, role-based - 3).
invitation_type	Conference scheduling type: • -1 – the start time of the conference is not specified • 1 –non recurrent conference • 0 – a weekly conference
invitation_timestamp	The start time of the conference. Unix Timestamp. For non recurrent conferences only.
invitation_day	An array containing numbers for week days. For weekly conferences only.

invitation_time	The start time of the conference hh:mm. For weekly conferences only.
participants	An array of TrueConf ID of the conference participants.

Successful answer:


```
{
      "cid": "\c\123asd123"
      "url": "http://example.com/c/123asd123",
      "topic": "Conference name",
      "owner": "user@example.videoserver.com",
      "type": "50",
      "start_time": "start time of the conference",
      "participants": ["user1@example.videoserver.com",
"user2@example.videoserver.com",
"user3@example.videoserver.com",
"user4@example.videoserver.com"]
 }
```


Error response is similar to first paragraph.

Deleting Group Conference

DELETE- request for URL:
http://example.com:8080/api/v1/conference/123asd123

Successful answer:


```
{
   "cid": "\c\123asd123"
}
```

Where **cid** is a unique identifier of the conference and **url** is the page address for joining the group conference through a WebRTC client.

Error response is similar to first paragraph.

Getting List of Group Conference

GET- request for URL:

http://example.com:8080/api/v1/conference

Successful answer:


```
{
    list: [
     {
      "cid": "\c\conf1"
      "url": "http://example.com/c/conf1",
      "topic": "Conference name",
      "owner": "user@example.videoserver.com",
      "type": "1",
     "start_time": "start time of the conference",
          "participants": ["user1@example.videoserver.com",
"user2@example.videoserver.com",
"user3@example.videoserver.com",
"user4@example.videoserver.com"]
 },
  {
    "cid": "\c\conf2"
    "url": "http://example.com/c/conf2",
   "topic": " Conference name ",
```

```
"owner": "user@example.videoserver.com",

      "type": "1",

     "start_time": " start time of the conference ",

"participants": ["user1@example.videoserver.com",
"user2@example.videoserver.com",
"user3@example.videoserver.com",
"user4@example.videoserver.com"]

   }

 ]

}
```

Error response:

```
{

   "error": {

         "code": 401,

         "message": "Error description"

   }

}
```

Getting User Address Book

GET- request for URL: http://example.com:8080/api/v1/ab/login_name

Successful answer:

```
{
    list: {
 “user1”: {
“uid” : “user1@example.server.name”,
 “login_name”: “user1”,
“display_name”: “John Smith”,
“first_name”: “”,
“last_name”: “”,
 “phone_book”: {
      "mobile":{"phone":"123123","type":1},
      "work":{"phone":"23423","type":2},
      "home":{"phone":"345345","type":3}
 },
“type”: “member”,
"groups": [“group1”, “group2”]
},
“user2”: {
 “uid” : “user2@example.server.name”,
“login_name”: “user2”,
“display_name”: “John Smith”,
“first_name”: “”,
“last_name”: “”,
 “phone_book”: {
                    "mobile":{"phone":"","type":1},
                    "work":{"phone":"","type":2},
                   "home":{"phone":"","type":3} },
“type”: “member”,
```

```
"groups": [“group4”]
            }
        }
}
```

Error response:

```
{
    "error": {
        "code": 401,
        "message": "Error description"
 }
 }
```

Adding Contact to User Address Book

POST- request for URL: http://example.com:8080/api/v1/ab/login_name

Parameters:

Parameter Name	Parameter Value
contact	Identifier of contact to add
display_name	Name of contact to add

The response is generated in JSON format:

```
{
        “uid”: “user1@example.server.name”,
        “login_name”: “user1”,
        “display_name”: “John Smith”,
        “first_name”: “”,
        “last_name”: “”,
        “phone_book”: {
            "mobile":{"phone":"123123","type":1},
"work":{"phone":"23423","type":2},
"home":{"phone":"345345","type":3}
            },
            “type”: “member”,
             "groups": [“group1”, “group2”]
}
```


Error response is similar to first paragraph.

Editing Contact in User Address Book

PUT- request for URL: http://example.com:8080/api/v1/ab/login_name

Parameters:

Parameter Name	Parameter Value
contact	Identifier of contact to edit
display_name	New name of the contact

The response is generated in JSON format and is similar to first paragraph.

Error response:

```
{
   "error": {
         "code": 401,
         "message": "Error description"
    }
}
```

Deleting Contact from User Address Book

DELETE- request for URL:
http://example.com:8080/api/v1/ab/login_name

Parameters:

Parameter Name	Parameter Value
contact	Identifier of contact to edit
display_name	New name of the contact

The response is generated in JSON format and is similar to first paragraph.

Error response:

```
{
   "error": {
         "code": 401,
         "message": "Error description"
    }
}
```