Chat REST API

# POST /api/v1/auth

**Description**

Create new application session, generate public and private session keys.

**Important**

Require HTTPS connection.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| app\_key | yes | string | application key |

**Response**

Object containing public and private application session keys.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| **session\_key** | string | application session public key |
| session\_private\_key | string | application session private key |

**Example**

|  |
| --- |
| {  "session\_key":"0474a82dd0004a7284cbcebc1bc23a8b",  "session\_private\_key":"3eefbd62f9db4dffb88bd51b3576e661"  } |

# DELETE/api/v1/auth

**Description**

Invalidate application session.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| signature | yes | string | request signature |

**Response**

None

# GET/api/v1/chat/info

**Description**

Return common chat information (chat name, chat URL, number of online users, etc.).

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| signature | yes | string | request signature |

**Response**

Object containing common chat information.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| name | string | chat name |
| url | string | chat web site URL |
| users | integer | number of online users |
| rooms | integer | number of chat rooms |

**Example**

|  |
| --- |
| {  "name":"Chat",  "url":"http://chat.com",  "users":15,  "rooms":3  } |

# POST/api/v1/chat/auth

**Description**

Authenticate chat user, create user session.

**Important**

Require HTTPS connection.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| username | yes | string | user nickname |
| password | no | string | user password |

**Response**

Object containing chat user session key.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| user\_session\_key | string | user session key |

**Example**

|  |
| --- |
| {  "user\_session\_key":"75919d6808e54d578e4eaef09a8e73b5"  } |

# DELETE/api/v1/chat/auth

**Description**

Terminate user session, invalidate user session key.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | yes | string | user session key |
| signature | yes | string | request signature |

**Response**

None

# GET/api/v1/chat/rooms

**Description**

Return list of existing chat rooms.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | no | string | user session key |
| signature | yes | string | request signature |

**Response**

Array of existing chat room objects.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | integer | unique room identifier |
| name | string | chat room name |
| description | string | chat room description |
| persistent | boolean | flag indication whether chat room is persistent or temporary (temporary room will be deleted after the last user leave it) |
| owner\_id | integer | unique identifier of the chat user who owns the chat room |

**Example**

|  |
| --- |
| [  {  "id":32,  "name":"room\_1",  "description":"Main room",  "users":12  },  {  "id":33,  "name":"room\_2"  "description":"Second room",  "users":7  }  ] |

# POST /api/v1/chat/rooms

**Description**

Create new chat room.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | yes | string | user session key |
| signature | yes | string | request signature |
| name | yes | string | chat room name |
| description | no | string | chat room description |
| persistent | no | boolean | flag indication whether chat room is persistent or temporary (temporary room will be deleted after the last user leave it); default value: false |

**Response**

New chat room object.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | integer | unique room identifier |
| name | string | chat room name |
| description | string | chat room description |
| persistent | boolean | flag indication whether chat room is persistent or temporary (temporary room will be deleted after the last user leave it) |
| owner\_id | integer | unique identifier of the chat user who owns the chat room |

**Example**

|  |
| --- |
| {  "id":32,  "name":"room\_1",  "description":"Main root",  "owner\_id":42  } |

# PUT /api/v1/chat/rooms/<id>

**Description**

Modify existing chat room information.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | yes | string | user session key |
| signature | yes | string | request signature |
| name | no | string | chat room name |
| description | no | string | chat room description |
| persistent | no | boolean | flag indication whether chat room is persistent or temporary (temporary room will be deleted after the last user leave it); default value: false |

**Response**

Modified chat room object.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | integer | unique room identifier |
| name | string | chat room name |
| description | string | chat room description |
| persistent | boolean | flag indication whether chat room is persistent or temporary (temporary room will be deleted after the last user leave it) |
| owner\_id | integer | unique identifier of the chat user who owns the chat room |

**Example**

|  |
| --- |
| {  "id":32,  "name":"room\_1",  "description":"Main root",  "owner\_id":42  } |

# DELETE /api/v1/chat/rooms/<id>

**Description**

Delete existing chat room.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | yes | string | user session key |
| signature | yes | string | request signature |

**Response**

**None**

# GET/api/v1/chat/rooms/<id>

**Description**

Return detailed information for the specified chat room.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | no | string | user session key |
| signature | yes | string | request signature |

**Response**

Requested chat room object.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | integer | unique room identifier |
| name | string | chat room name |
| description | string | chat room description |
| persistent | boolean | flag indication whether chat room is persistent or temporary (temporary room will be deleted after the last user leave it) |
| owner\_id | integer | unique identifier of the chat user who owns the chat room |

**Example**

|  |
| --- |
| {  "id":32,  "name":"room\_1",  "description":"Main room",  "persistent":true,  "owner\_id":42  } |

# GET/api/v1/chat/rooms/<id>/users

**Description**

Return list of online chat users for the specified chat room.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | no | string | user session key |
| signature | yes | string | request signature |

**Response**

Array of online chat user objects for the specified chat room.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | string | unique user identifier |
| name | string | user nickname |
| sex | string | user sex (gender); possible values: male, female, unknown |
| room\_id | integer | unique identifier of the chat room |

**Example**

|  |
| --- |
| [  {  "id":42,  "name":"user\_1",  "sex":"male",  "room\_id":32  },  {  "id":43,  "name":"user\_2",  "sex":"male",  "room\_id":32  }  ] |

# GET/api/v1/chat/users

**Description**

Return list of online chat users.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | no | string | user session key |
| signature | yes | string | request signature |

**Response**

Array of chat user objects for online chat users.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | string | unique user identifier |
| name | string | user nickname |
| sex | string | user sex (gender); possible values: male, female, unknown |
| room\_id | integer | unique identifier of the chat room |

**Example**

|  |
| --- |
| [  {  "id":42,  "name":"user\_1",  "sex":"male",  "room\_id":32  },  {  "id":43,  "name":"user\_2",  "sex":"male",  "room\_id":32  }  ] |

# GET/api/v1/chat/users/<id>

**Description**

Return detailed information for the specified chat user.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Required | Type | Description |
| session\_key | yes | string | application session public key |
| user\_session\_key | no | string | user session key |
| signature | yes | string | request signature |

**Response**

Requested chat user object.

|  |  |  |
| --- | --- | --- |
| Property | Type | Description |
| id | string | unique user identifier |
| name | string | user nickname |
| sex | string | user sex (gender); possible values: male, female, unknown |
| room\_id | integer | unique identifier of the chat room |

**Example**

|  |
| --- |
| {  "id":42,  "name":"user\_1",  "sex":"male",  "room\_id":32  } |