

Here is the updated API documentation in Markdown format, including the new endpoints:

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# Chat Group API Documentation

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## Endpoints

### 1. Create a New Chat Group

- **URL:** `/chatrooms/<user_id>/create/`
- **Method:** `POST`
- **Description:** Creates a new chat group with the specified members. The user creating the group becomes the owner and admin by default.
- **Request Body:**

```
{
  "group_name": "string",
  "group_description": "string",
  "organization": "int",
  "members": ["int", "int"]
}
```

- **Response:**
  - **201 Created:** Returns the details of the created chat group.
  - **404 Not Found:** If the user or organization does not exist.

### 2. Edit Chat Group

- **URL:** `/chatrooms/<chatroom_id>/<user_id>/edit/`
- **Method:** `PUT`
- **Description:** Edit the name and description of a chat group. Only admins can edit.
- **Request Body:**

```
{
  "group_name": "string",
  "group_description": "string"
}
```

- **Response:**
  - **200 OK:** Returns the updated chat group details.
  - **404 Not Found:** If the chat group or admin is not found.

### 3. Delete Chat Group

- **URL:** `/chatrooms/<chatroom_id>/<user_id>/delete/`

- **Method:** DELETE
- **Description:** Delete a chat group. Only the owner can delete the group.
- **Response:**
  - **204 No Content:** If deletion is successful.
  - **404 Not Found:** If the chat group or owner is not found.

#### 4. Add Users to Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<admin\_id>/add-users/
- **Method:** POST
- **Description:** Add multiple users to a chat group. Only admins can add users.
- **Request Body:**

```
{
  "users": ["int", "int"]
}
```

- **Response:**
  - **200 OK:** If users are added successfully.
  - **404 Not Found:** If the chat group or admin is not found.

#### 5. Add User to Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<admin\_id>/add-user/
- **Method:** POST
- **Description:** Add a single user to a chat group. Only admins can add users.
- **Request Body:**

```
{
  "user_id": "int"
}
```

- **Response:**
  - **200 OK:** If the user is added successfully.
  - **404 Not Found:** If the chat group or admin is not found.

#### 6. Remove Multiple Members from Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<admin\_id>/remove-members/
- **Method:** DELETE
- **Description:** Remove multiple members from a chat group. Also removes them from the admin list if they are admins.
- **Request Body:**

```
{
  "users": ["int", "int"]
}
```

- **Response:**
  - **200 OK:** If the users are removed successfully.
  - **404 Not Found:** If the chat group or admin is not found.

## 7. Remove Member from Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<admin\_id>/remove-member/
- **Method:** DELETE
- **Description:** Remove a single member from a chat group. Also removes them from the admin list if they are an admin.
- **Request Body:**

```
{
  "user_id": "int"
}
```

- **Response:**
  - **200 OK:** If the user is removed successfully.
  - **404 Not Found:** If the chat group or admin is not found.

## 8. Add Admins to Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<owner\_id>/add-admins/
- **Method:** POST
- **Description:** Add multiple users as admins to a chat group. Only the owner can add admins.
- **Request Body:**

```
{
  "users": ["int", "int"]
}
```

- **Response:**
  - **200 OK:** If the admins are added successfully.
  - **404 Not Found:** If the chat group or owner is not found.

## 9. Add Admin to Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<owner\_id>/add-admin/
- **Method:** POST
- **Description:** Add a single user as an admin to a chat group. Only the owner can add admins.
- **Request Body:**

```
{
  "user_id": "int"
}
```

- **Response:**
  - **200 OK:** If the admin is added successfully.
  - **404 Not Found:** If the chat group or owner is not found.

## 10. Remove Admins from Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<owner\_id>/remove-admins/
- **Method:** DELETE
- **Description:** Remove multiple admins from a chat group. Only the owner can remove admins.
- **Request Body:**

```
{
  "users": ["int", "int"]
}
```

- **Response:**
  - **200 OK:** If the admins are removed successfully.
  - **404 Not Found:** If the chat group or owner is not found.

## 11. Remove Admin from Chat Group

- **URL:** /chatrooms/<chatroom\_id>/<owner\_id>/remove-admin/
- **Method:** DELETE
- **Description:** Remove a single admin from a chat group. Only the owner can remove admins.
- **Request Body:**

```
{
  "user_id": "int"
}
```

- **Response:**
  - **200 OK:** If the admin is removed successfully.
  - **404 Not Found:** If the chat group or owner is not found.

## 12. Get All Chat Groups in an Organization

- **URL:** /chatrooms/<organization\_id>/list/
- **Method:** GET
- **Description:** Retrieve all chat groups that belong to a specific organization.
- **Response:**

- **200 OK:** Returns a list of all chat groups in the organization.
- **404 Not Found:** If no chat groups are found for the organization.

### 13. Get All Chat Groups a User is a Member Of

- **URL:** `/chatrooms/<organization_id>/<user_id>/list/`
- **Method:** `GET`
- **Description:** Retrieve all chat groups that a specific user is a member of within an organization.
- **Response:**
  - **200 OK:** Returns a list of all chat groups the user is a member of within the organization.
  - **404 Not Found:** If no chat groups are found for the user in the organization.

### 14. Get a Specific Chat Group by ID

- **URL:** `/chatrooms/<chatroom_id>/<user_id>/view/`
- **Method:** `GET`
- **Description:** Retrieve details of a specific chat group by its ID. The user must be a member of the chat group.
- **Response:**
  - **200 OK:** Returns the details of the specified chat group.
  - **404 Not Found:** If the chat group is not found or the user is not a member.

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Save the above content in a file named `API_Documentation.md`.