
Graygram Documentation

Release

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REST API Overview

Endpoints

<https://api.graygram.com>

Image Request

Endpoint: <https://www.graygram.com>

GET `/photos/` (*photo_id*) /

int: *width***x***int:* *height* Get the binary of resized image. The value of (*width*) and (*height*) must be equal.

Error Response

The error response contains a json object named `error`. This object contains optional `message` and optional `field`.

Example response:

```
HTTP/1.1 400 Bad Request
Content-Type: application/json

{
  "error": {
    "message": "Missing parameter",
    "field": "username"
  }
}
```

Authentication

Login

POST /login/username

Login using username and password.

Example request:

```
POST /login/username HTTP/1.1
Accept: application/json
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "username": "devxoul",
  "photo": null,
  "created_at": "2017-02-21T16:59:35+0000",
  "id": 1
}
```

Form Parameters

- **username** – Username of the user
- **password** – Password of the user

Status Codes

- **200 OK** – Succeeded to login
- **400 Bad Request** – Missing or wrong parameters

Join

POST /join/username

Create a new user with username and password.

Example request:

```
POST /join/username HTTP/1.1
Accept: application/json
```

Example response:

```
HTTP/1.1 201 OK
Content-Type: application/json

{
  "username": "devxoul",
  "photo": null,
  "created_at": "2017-02-21T16:59:35+0000",
  "id": 1
}
```

Form Parameters

- **username** – Username of the user
- **password** – Password of the user

Status Codes

- 201 **Created** – Succeeded to create a new user
- 400 **Bad Request** – Missing or wrong parameters
- 409 **Conflict** – User already exists

Logout

GET /logout

Logout from the current session.

Example request:

```
GET /logout HTTP/1.1
Accept: application/json
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{}
```

Feed

GET /feed

Example request:

```
GET /feed HTTP/1.1
Accept: application/json
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "data": [
    {
      "message": "        ",
      "id": 14,
      "is_liked": false,
      "like_count": 0,
      "user": {
        "created_at": "2017-02-07T09:23:13+0000",
        "photo": {
          "id": "d7394923-cf39-4c78-891a-8714eb615ea7"
        },
        "username": "devxoul",
```

```
    "id": 1
  },
  "created_at": "2017-01-27T19:52:32+0000",
  "photo": {
    "id": "69e892b4-7dbd-403c-92fc-07f199c2be35"
  }
},
{
  "message": "  ",
  "id": 13,
  "is_liked": false,
  "like_count": 0,
  "user": {
    "created_at": "2017-02-07T09:23:13+0000",
    "photo": {
      "id": "d7394923-cf39-4c78-891a-8714eb615ea7"
    },
    "username": "devxoul",
    "id": 1
  },
  "created_at": "2017-01-27T19:52:02+0000",
  "photo": {
    "id": "1e6833e2-f041-49be-9e4a-5691d084910d"
  }
}
],
"paging": {
  "next": "https://www.graygram.com/feed?limit=2&offset=2"
},
}
```

Query Parameters

- **limit** –
- **offset** –

Response JSON Object

- **data** (*array*) – Array of Post
- **paging.next** (*string*) – (Optional) Next page URL

Post

Get Post

GET `/posts/` (*post_id*)

Get a single post.

Example JSON response:

```
{
  "message": "      ",
  "id": 14,
  "is_liked": false,
  "like_count": 0,
```



```

"user": {
  "created_at": "2017-02-07T09:23:13+0000",
  "photo": {
    "id": "d7394923-cf39-4c78-891a-8714eb615ea7"
  },
  "username": "devxoul",
  "id": 1
},
"created_at": "2017-01-27T19:52:32+0000",
"photo": {
  "id": "69e892b4-7dbd-403c-92fc-07f199c2be35"
}
}

```

Response JSON Object

- **id** (*int*) –
- **photo** (*Photo*) –
- **message** (*string*) – A message (Optional)
- **user** (*User*) – Post author
- **created_at** (*date*) –

Status Codes

- 200 OK – OK
- 404 Not Found – There's no post

Create Post

POST /posts

Create a post

Example JSON response:

```

{
  "message": "      ",
  "id": 14,
  "is_liked": false,
  "like_count": 0,
  "user": {
    "created_at": "2017-02-07T09:23:13+0000",
    "photo": {
      "id": "d7394923-cf39-4c78-891a-8714eb615ea7"
    },
    "username": "devxoul",
    "id": 1
  },
  "created_at": "2017-01-27T19:52:32+0000",
  "photo": {
    "id": "69e892b4-7dbd-403c-92fc-07f199c2be35"
  }
}

```

Form Parameters

- **photo** – An image file
- **message** – A message (Optional)

Status Codes

- 201 **Created** – Created
- 400 **Bad Request** – Required parameter is missing or invalid
- 401 **Unauthorized** – Not authorized

Edit Post

PUT `/posts/` (*post_id*)

Edit the post

Example JSON response:

```
{
  "message": "          ",
  "id": 14,
  "is_liked": false,
  "like_count": 0,
  "user": {
    "created_at": "2017-02-07T09:23:13+0000",
    "photo": {
      "id": "d7394923-cf39-4c78-891a-8714eb615ea7"
    },
    "username": "devxoul",
    "id": 1
  },
  "created_at": "2017-01-27T19:52:32+0000",
  "photo": {
    "id": "69e892b4-7dbd-403c-92fc-07f199c2be35"
  }
}
```

Form Parameters

- **message** – New message (Optional)

Status Codes

- 200 **OK** – OK
- 401 **Unauthorized** – Not authorized
- 403 **Forbidden** – No permission

PATCH `/posts/` (*post_id*)

Edit the post

Example JSON response:

```
{
  "message": "          ",
  "id": 14,
  "is_liked": false,
  "like_count": 0,
  "user": {
```

```

    "created_at": "2017-02-07T09:23:13+0000",
    "photo": {
      "id": "d7394923-cf39-4c78-891a-8714eb615ea7"
    },
    "username": "devxoul",
    "id": 1
  },
  "created_at": "2017-01-27T19:52:32+0000",
  "photo": {
    "id": "69e892b4-7dbd-403c-92fc-07f199c2be35"
  }
}

```

Form Parameters

- **message** – New message (Optional)

Status Codes

- 200 OK – OK
- 401 Unauthorized – Not authorized
- 403 Forbidden – No permission

Delete Post

DELETE `/posts/` (*post_id*)

Delete the post

Example JSON response:

```
{ }
```

Status Codes

- 200 OK – Deleted
- 401 Unauthorized – Not authorized
- 403 Forbidden – No permission

Like Post

POST `/posts/` (*post_id*) `/likes`

Like the post

Example JSON response:

```
{ }
```

Status Codes

- 201 Created – Liked
- 401 Unauthorized – Not authorized
- 409 Conflict – Already liked

Unlike Post

DELETE `/posts/ (post_id) /likes`

Unlike the post

Example JSON response:

```
{ }
```

Status Codes

- 200 OK – Unliked
- 401 Unauthorized – Not authorized
- 409 Conflict – Already unliked

User

Get My Profile

GET `/me`

Get my profile

Example JSON response:

```
{
  "username": "devxoul",
  "photo": null,
  "created_at": "2017-02-21T16:59:35+0000",
  "id": 1
}
```

Status Codes

- 401 Unauthorized – Not authorized

HTTP Routing Table

/feed

GET /feed, 3

/join

POST /join/username, 2

/login

POST /login/username, 2

/logout

GET /logout, 3

/me

GET /me, 8

/photos

GET /photos/(photo_id)/(int:width)x(int:height),
1

/posts

GET /posts/(post_id), 4

POST /posts, 5

POST /posts/(post_id)/likes, 7

PUT /posts/(post_id), 6

DELETE /posts/(post_id), 7

DELETE /posts/(post_id)/likes, 8

PATCH /posts/(post_id), 6