

# Upvote Comment

## Endpoint

**URL:** `/:projectId/comments/:commentId/upvote`

**Method:** `PATCH`

**Authentication Required:** Yes

## Description

Upvotes a comment on behalf of the authenticated user.

- Adds the user’s ID to the comment’s `upvotes` array.
- Removes the user from `downvotes` if previously downvoted.
- Increases the reputation of the comment author.
- Sends a notification to the comment’s author.

## Request

### Path Parameters

Parameter	Type	Required	Description
<code>commentId</code>	<code>string</code>	Yes	The ID of the comment to upvote.

### Headers

Header	Type	Required	Description
Authorization	string	Yes	Bearer token for authenticated users.

## Response

### Success Response ( 200 OK )

Returns the updated comment:

```
{
  "id": "comment-123",
  "entityId": "entity-456",
  "upvotes": ["user-789"],
  "downvotes": [],
  "content": "Great insight!",
  ...
}
```

## Error Responses

### Missing Comment ID ( 400 Bad Request )

```
{
  "error": "Missing required data",
  "code": "comment/missing-data"
}
```

### Not Found ( 404 Not Found )

```
{
  "error": "Comment not found",
  "code": "comment/not-found"
}
```

### Already Upvoted ( 409 Conflict )

```
{
  "error": "User has already upvoted this comment",
  "code": "comment/already-upvoted"
}
```

## Server Error ( 500 Internal Server Error )

```
{
  "error": "Internal server error.",
  "code": "comment/server-error",
  "details": "[error message]"
}
```

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## Notes

- If the user already upvoted the comment, a 409 Conflict error is returned.
- Reputation is awarded to the comment's author.
- A notification is triggered to inform the comment's author of the upvote.
- The user's ID is removed from downvotes if previously present.

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