

# Upvote Comment

## Endpoint

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

**Method:** PATCH

**Authentication Required:** Yes

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## Description

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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.
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## Request

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### Path Parameters

Parameter	Type	Required	Description
commentId	string	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]"  
}
```

## 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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