# 4.22. Organisation Approver - Recover organisation users marked for deletion

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| **Id** | 4.22. |
| **Description** | As an **Organisation Administrator**,<br><br>I want to be able to recover a user marked for deletion that belongs to my organisation,<br><br>So that I can recover the access of a user that was deleted by mistake. |
| **Priority** | **Low** |
| **Actors** | Organisation Administrator |
| **API Calls** | **GET** /admin/api-users/<user-id><br>**PUT** /admin/api-users/<user-id><br>**PATCH** /admin/api-users/<user-id> |
| **Linked Processes** | |
| **Status** | **Implemented** |

## Preconditions

1. The User must be authenticated and have the **Organisation Administrator** role.
2. The system must have a list of predefined roles available for assignment.
3. The user to be recovered must belong to the Organisation Administrator's organisation, be marked for deletion and not yet be deleted.

## Postconditions

1. The user is not marked as inactive any more.
2. The user is enabled and can again login and use the system in accordance with the assigned roles.

# Main flow

1. The **Organisation Administrator** retrieves the user that belongs to his organisation and is marked for deletion (GET).
2. The **Organisation Administrator** uses an API to recover the user removing the flag “marked for deletion” (PUT/PATCH).
3. The system validates the input data.
4. The system saves the changes and updates the user list.

# Exceptions

## [400 Bad Request] Invalid input:

If mandatory fields are missing or invalid, the system returns an error message.

## [404 Not found] User not found

If the **Organisation Administrator** attempts to recover a user that does not exist or does not belong to his organisation, the system returns an error and prevents the action.

## [409 Not marked for deletion] User not marked for deletion

If the **Organisation Administrator** attempts to recover a user that is not marked for deleting, the system returns an error and prevents the action.

## [500 Internal Server Error] System Error

If the system fails to save changes due to an internal error, it displays an appropriate message and logs the error for further investigation.

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Revision #1
Created 15 October 2025 06:55:24 by Sergio Sousa
Updated 15 October 2025 06:59:51 by Sergio Sousa