

## Redmine - Defect #37166

### Roles of a project member should not be made empty

2022-05-27 11:54 - Go MAEDA

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Go MAEDA	<b>% Done:</b>	0%
<b>Category:</b>	Project settings	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	5.0.6	<b>Affected version:</b>	5.0.0
<b>Resolution:</b>	Fixed		

#### Description

A project member must have one or more roles. If you attempt to add a project member without roles, you will see an error "Failed to save member(s): Role cannot be empty".

However, In Redmine 5.0.1, member roles can be emptied with the following procedure.

1. Add a new member to a project with any roles
2. After adding a role, click "Edit" for the member role
3. Clear the checkbox for each role and click "Save"

member\_without\_roles.png

In Redmine 4.2, the above procedure will delete the member, but not in Redmine 5.0. This may be due to the difference in the behavior of `Member#role_ids = []` ([source:trunk/app/models/member.rb@21456#L105](https://github.com/redmine/redmine/pull/21456)) between Redmine 4.2 (Rails 5.2) and Redmine 5.0 (Rails 6.1).

When setting an empty array to `Member#role_ids`, Redmine 4.2 destroys `MemberRole` and `Member`, but Redmine 5.0 only destroys `MemberRole`. Destroying only `MemberRole` makes a project member with empty roles.

#### Redmine 4.2:

```
irb(main):002:0> member.role_ids = []
MemberRole Load (0.2ms)  SELECT "member_roles".* FROM "member_roles" WHERE "member_roles"."member_id" = ? [{"member_id", 17}]
(0.6ms)  SELECT DISTINCT "roles"."id" FROM "roles" INNER JOIN "member_roles" ON "roles"."id" = "member_roles"."role_id" WHERE "member_roles"."member_id" = ? [{"member_id", 17}]
(0.1ms)  begin transaction
MemberRole Destroy (1.2ms)  DELETE FROM "member_roles" WHERE "member_roles"."id" = ? [{"id", 21}]
]]
Role Exists (0.1ms)  SELECT 1 AS one FROM "roles" INNER JOIN "member_roles" ON "roles"."id" = "member_roles"."role_id" WHERE "member_roles"."member_id" = ? LIMIT ? [{"member_id", 17}, ["LIMIT", 1]]
MemberRole Load (0.1ms)  SELECT "member_roles".* FROM "member_roles" WHERE "member_roles"."member_id" = ? [{"member_id", 17}]
IssueCategory Update All (1.0ms)  UPDATE "issue_categories" SET assigned_to_id = NULL WHERE (project_id = 1 AND assigned_to_id = 8)
Project Load (0.7ms)  SELECT "projects".* FROM "projects" WHERE "projects"."id" = ? LIMIT ? [{"id", 1}, ["LIMIT", 1]]
Member Destroy (0.3ms)  DELETE FROM "members" WHERE "members"."id" = ? [{"id", 17}]
MemberRole Load (0.2ms)  SELECT "member_roles".* FROM "member_roles" WHERE "member_roles"."inherited_from" = ? [{"inherited_from", 21}]
(2.1ms)  commit transaction
=> []
```

#### Redmine 5.0:

```
irb(main):011:0> member.role_ids = []
MemberRole Load (0.2ms)  SELECT "member_roles".* FROM "member_roles" WHERE "member_roles"."member_id" = ? [{"member_id", 11}]
(0.2ms)  SELECT DISTINCT "roles"."id" FROM "roles" INNER JOIN "member_roles" ON "roles"."id" = "member_roles"."role_id" WHERE "member_roles"."member_id" = ? [{"member_id", 11}]
```

```

TRANSACTION (0.1ms) begin transaction
MemberRole Destroy (1.3ms) DELETE FROM "member_roles" WHERE "member_roles"."id" = ? [{"id", 35
}]
MemberRole Load (0.1ms) SELECT "member_roles".* FROM "member_roles" WHERE "member_roles"."inher
ited_from" = ? [{"inherited_from", 35}]
TRANSACTION (4.5ms) commit transaction
MemberRole Load (0.2ms) SELECT "member_roles".* FROM "member_roles" WHERE "member_roles"."membe
r_id" = ? [{"member_id", 11}]
Role Load (0.2ms) SELECT DISTINCT "roles".* FROM "roles" INNER JOIN "member_roles" ON "roles"."
id" = "member_roles"."role_id" WHERE "member_roles"."member_id" = ? [{"member_id", 11}]
=> []

```

#### Related issues:

Related to Redmine - Defect #38443: Cannot add a user to a group if the group...	<b>Closed</b>
Has duplicate Redmine - Defect #37764: Members without any role shouldn't be ...	<b>Closed</b>

#### Associated revisions

##### Revision 22182 - 2023-04-14 01:34 - Go MAEDA

Roles of a project member should not be made empty (#37166).

Patch by Mizuki ISHIKAWA.

##### Revision 22183 - 2023-04-14 02:54 - Go MAEDA

Merged r22182 from trunk to 5.0-stable (#37166).

#### History

##### #1 - 2022-10-12 05:31 - Go MAEDA

- Has duplicate Defect #37764: Members without any role shouldn't be allowed added

##### #2 - 2023-04-12 15:37 - Go MAEDA

- Related to Defect #38443: Cannot add a user to a group if the group is a member without roles in a certain project added

##### #3 - 2023-04-13 04:42 - Mizuki ISHIKAWA

- File fix-37166.patch added

A patch to fix the issue is attached.

##### #4 - 2023-04-13 04:49 - Go MAEDA

- Target version set to 5.0.6

Setting the target version to 5.0.6.

##### #5 - 2023-04-14 01:34 - Go MAEDA

- Subject changed from Roles of a project member can be made empty to Roles of a project member should not be made empty

- Status changed from New to Resolved

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patch in [r22182](#).

##### #6 - 2023-04-14 02:55 - Go MAEDA

- Status changed from Resolved to Closed

#### Files

member_without_roles.png	69.6 KB	2022-05-27	Go MAEDA
fix-37166.patch	991 Bytes	2023-04-13	Mizuki ISHIKAWA