Redmine - Defect #37166

Roles of a project member should not be made empty

2022-05-27 11:54 - Go MAEDA

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

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) 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"."membe
r_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"."membe
r_id" = ?  [["member_id", 17]]
  IssueCategory Update All (1.0ms)  UPDATE "issue_categories" SET assigned_to_id = NULL WHERE (pro
ject_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"."inher
ited_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"."membe
r_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...	**Closed**
Has duplicate Redmine - Defect #37764: Members without any role shouldn't be ...	**Closed**

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