Redmine - Defect #42106

Member roles are incorrectly added when a user's memberships are updated

2025-01-15 14:17 - Thomas Löber

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:	Go MAEDA	**% Done:**	0%
Category:	Permissions and roles	**Estimated time:**	0.00 hour
Target version:	5.1.6		
Resolution:	Fixed	**Affected version:**	6.0.2

Description

Member roles are incorrectly added when a user's memberships are updated on the user's *Projects* tab.

Setup:

- 2 Roles: R1 and R2
- 2 Groups: G1 and G2
- G1 has role R1
- G2 has roles R1 and R2
- User is in groups G1 and G2
   ⮕ that means the user has two inherited roles: R1 inherited by G1 and G2, and R2 inherited by G2

Steps to reproduce:

- On the user's *Projects* tab click on *Edit* and then on *Save* without changing any checkboxes
- Remove the user from G1 and G2

Expected result: The user no longer has any roles.

Actual result: The user still has the role R1.

Reason: When the user's memberships are saved, any roles inherited by more than one group are added as non-inherited roles.

Solution: Fix Member#role_ids=:

```
   def role_ids=(arg)
     ids = (arg || []).collect(&:to_i) - [0]
     # Keep inherited roles
-    ids += member_roles.select {|mr| !mr.inherited_from.nil?}.collect(&:role_id)
+    ids |= member_roles.select {|mr| !mr.inherited_from.nil?}.collect(&:role_id)
```

Associated revisions

Revision 23449 - 2025-01-19 08:32 - Go MAEDA

Member roles are incorrectly added when a user's memberships are updated (#42106).

Patch by Thomas Löber (user:tloeber) and Mizuki ISHIKAWA (user:ishikawa999).

Revision 23456 - 2025-01-22 03:49 - Go MAEDA

Merged r23449 from trunk to 6.0-stable (#42106).

Revision 23457 - 2025-01-22 03:50 - Go MAEDA

Merged r23449 from trunk to 5.1-stable (#42106).

History

#1 - 2025-01-17 07:11 - Mizuki ISHIKAWA

- File add_test.diff added

I was able to reproduce the issue in my development environment as well.

When I apply the attached patch that adds a test and run the test, it fails with the current trunk code, as shown below.

```
# Running:

F

Failure:
MemberTest#test_update_roles_with_inherited_roles [test/unit/member_test.rb:86]:
--- expected
+++ actual
@@ -1 +1 @@
-[[1, 13], [1, 15], [2, 17], [3, nil]]
+[[1, 13], [1, 15], [2, 17], [3, nil], [1, nil]]
```

The failure occurs because at the moment of calling test_user_member.set_editable_role_ids([3]), role1 inherited from the group is unexpectedly assigned directly to the user.
When I modify the code based on the solution and then run the test, it passes successfully.

#2 - 2025-01-17 10:26 - Go MAEDA

- Status changed from New to Confirmed

- Target version set to 5.1.6

#3 - 2025-01-19 08:32 - Go MAEDA

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the fix in [r23449](). Thank you for your contribution.

#4 - 2025-01-22 03:50 - Go MAEDA

- Status changed from Confirmed to Closed

Merged the fix into the stable branches in [r23456]() and [r23457]().

Files

add_test.diff	1.95 KB	2025-01-17	Mizuki ISHIKAWA