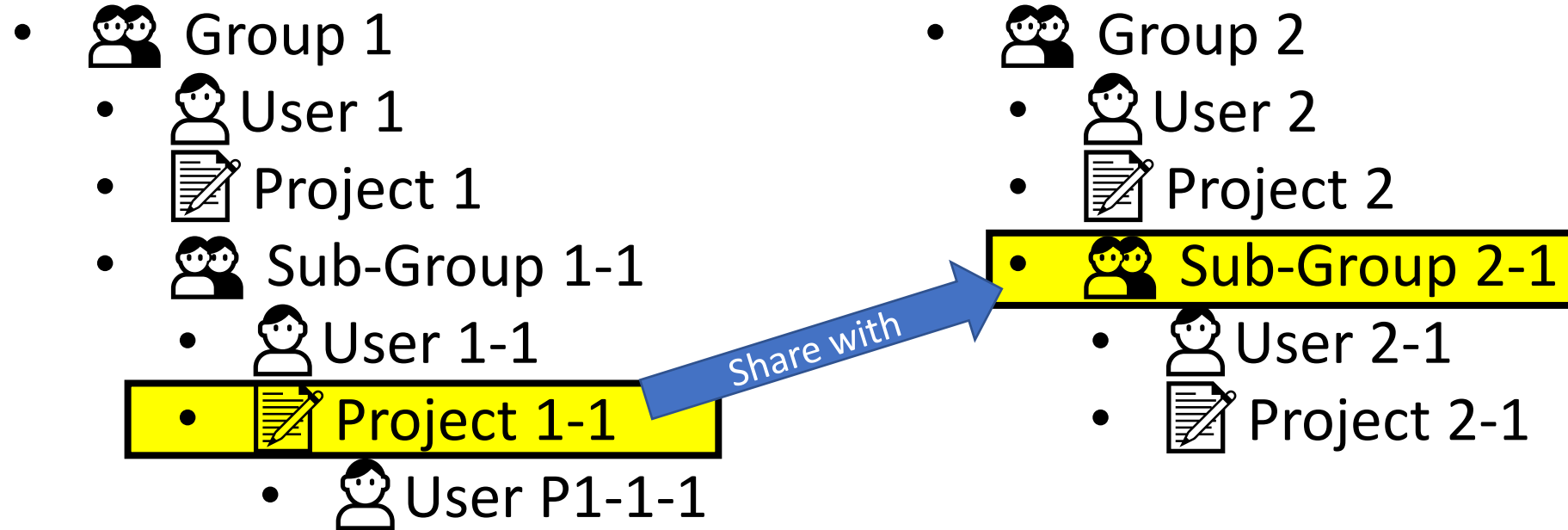


Gitlab – 5-way permissions




5 users has access to “Project 1-1”:


1. User 1 → Parent group
2. User 1-1 → Same group
3. User P1-1-1 → Project member
4. User 2-1 → Shared group
5. User 2 → Parent group of shared group



 **User 2-1**
user_2_11@example.com



 **User 2**
user_2@example.com

 **User P1-1-1**
user_p1_1_1@example.com



 **User 1-1**
user_1_1@example.com



 **User 1**
user1@example.com

▼  **group-2**  Owner

└  **subgroup-2-1**  Owner


▼  **group1**  Owner

└  **subgroup-1-1**  Owner

 **group1 / subgroup-1-1 / Project1**  Owner

Existing members and groups

Groups with access to **Project1** 1

 **group-2 / subgroup-2-1**
Given access just now

Guest

Expiration date




Members of **Project1** 4


Find existing members by name

Sort by


Name, ascending

 **User 1** @User1 · group1
Given access 1 minute ago

Guest

 **User 1-1** @User_1_1 · group1 / subgroup-1-1
Given access 1 minute ago

Guest

 **User P1-1-1** @User_P1_1_1
Given access 1 minute ago

Guest

Expiration date



/projects/:id/members [/all]

- No source for permission (group) is given, only if has any access.
- Admin token:
 - ["User 1", "User 1-1", "User 2", "User 2-1", "User P1-1-1"]
- User P1-1-1 token (least access):
 - ["User 1", "User 1-1", "User P1-1-1"]
 - Missing:
 - Group2\Subgroup2-1 Users – Since no access there - **OK**
- Member of «group1\subgroup1-1» and «group2 \subgroup2-1» (Even if owner)
 - ["User 1", "User 1-1", "User 2", "User P1-1-1"]
 - Missing
 - Subgroup2-1 User – Why?

/projects/:id/users

No permission source is given and not access level.

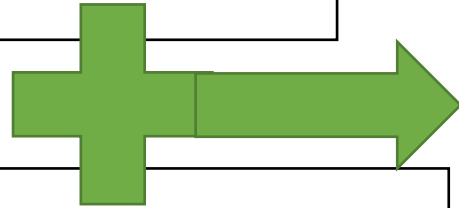
But shows all names even for project user that cannot see groups

- ["User 1", "User 1-1", "User 2", "User 2-1", "User P1-1-1"]

Final report

Combining:

- Group
 - Descendent groups (all subgroups)
- Project Users
 - Member project
 - All Members project
 - All Users



“all_member”:

Access to all groups but not Gitlab instance Administrator.

Some users miss permissions (User 2-1) **as noted before.**

```
[USER] Administrator (@root)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * Inherit [Under 2 groups] - OWNER - AA No Expire
[USER] User_1 (@User1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * Inherit [Under 2 groups] - A GUEST - AA No Expire
[USER] User_1-1 (@User_1_1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * Inherit [Under 2 groups] - A GUEST - AA No Expire
[USER] User_P1-1-1 (@User_P1_1_1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * AA Project - A GUEST - No Expire
[USER] User_2 (@User_2)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * Inherit [Under 2 groups] - A GUEST - AA No Expire
[USER] User_2-1 (@User_2_1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * Inherit [Under 2 groups] - A Any Level (USER) - AA No Expire
[USER] all_member (@all_member)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
        * Inherit [Under 2 groups] - OWNER - AA No Expire
```

Final report

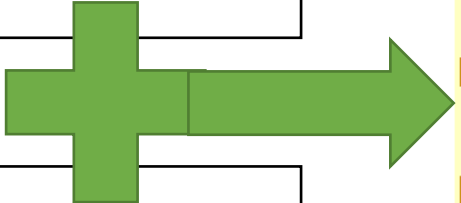
Combining:

- Group
 - Descendent groups (all subgroups)
- Project Users
 - Member project
 - All Members project
 - All Users

“Administartor”:

Access to all groups but not Gitlab instance Administrator.

All users has exact permission shown

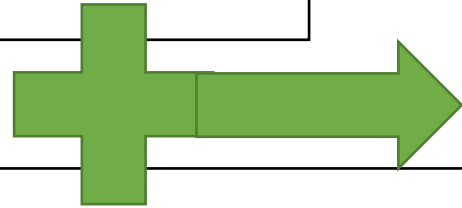


```
[USER] Administrator (@root)
  [PROJ] GitLab Instance / Monitoring - AA PUBLIC
    * Inhrit [Under 1 groups] - OWNER - AA No Expire
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * Inhrit [Under 4 groups] - OWNER - AA No Expire
[USER] User 1 (@User1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * Inhrit [Under 4 groups] - A GUEST - AA No Expire
[USER] User 1-1 (@User_1_1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * Inhrit [Under 4 groups] - A GUEST - AA No Expire
[USER] User P1-1-1 (@User_P1_1_1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * AA Project - A GUEST - No Expire
[USER] User 2 (@User_2)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * Inhrit [Under 4 groups] - A GUEST - AA No Expire
[USER] User 2-1 (@User_2_1)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * Inhrit [Under 4 groups] - A GUEST - AA No Expire
[USER] all_member (@all_member)
  [PROJ] group1 / subgroup-1-1 / Project1 - PRIVATE
    * Inhrit [Under 4 groups] - OWNER - AA No Expire
```

Final report

Combining:

- Group
 - Descendent groups (all subgroups)
- Project Users
 - Member project
 - All Members project
 - All Users



“Project user”:

Access to project only (no group)

**Can not list groups so no way to know what projects.
And has 0 personal projects.**

```
[USER] User P1-1-1 (@User_P1_1_1)
```