GISwater

PROTOCOL DOCUMENT	P-25
Role administration and management	16/04/2020

GOALS

When an organization is of considerable size, it is necessary to organize the structure into managements. Giswater allows you to organize the management of information by managers in such a way that an operator is assigned to a management, and the management to a set of exploitations and everything is linked. In this way, it is possible to manage the permission to consult one or other exploitations for users, even if all the information is in the same data schema.

DESCRIPTION

The configuration is very simple. You just have to:

1) Put variable **admin_exploitation_x_user** of **config_param_system** in **TRUE**.
2) Fill the management records in the **cat_manager** table where they are linked:
   - Management
   - Roles
   - Exploitations

id	idval	expl_id	username	active
1	general manager	{1,2}	{postgres}	[v]
2	simple manager	{1}	{test}	[v]

The names of **username** must already exist in the table **cat_users**.

3) After the configuration, we can consult the table **config_user_x_expl** where the values for the relationship between user and exploitation will have been inserted.

expl_id	username	manager_id	active
1	postgres	1	[v]
2	postgres	1	[v]
1	test	2	[v]

4) We can now verify that the restrictions for configured users are applied in the QGIS project. In this example, the user 'postgres' can see exploits 1 and 2, but the user 'test' can only see the 1.

ADICIONAL

```
ALTER TABLE ws.arc ENABLE ROW LEVEL SECURITY;
CREATE POLICY arc_role_edit ON ws.arc for all TO role_edit using (expl_id IN
(SELECT expl_id FROM ws.config_user_x_expl WHERE username = current_user));
CREATE POLICY arc_role_basic ON ws.arc for select TO role_basic using (expl_id
IN (SELECT expl_id FROM ws.config_user_x_expl WHERE username = current_user));
ALTER TABLE ws.arc DISABLE ROW LEVEL SECURITY;


ALTER TABLE ws.node ENABLE ROW LEVEL SECURITY;
CREATE POLICY node_role_edit ON ws.node for all TO role_edit using (expl_id IN
(SELECT expl_id FROM ws.config_user_x_expl WHERE username = current_user));
CREATE POLICY node_role_basic ON ws.node for select TO role_basic using (expl_id
IN (SELECT expl_id FROM ws.config_user_x_expl WHERE username = current_user));
ALTER TABLE ws.node DISABLE ROW LEVEL SECURITY;
```

Same for connec, link, dma, presszone, dqa and all those that tables wich works with expl filtered

REVIEWS

Action	User	Date
Created	Xavi	16/04/2020
Updated	Albert	13/09/2021