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Warning: This documentation is for a pre-release version of pgAdmin 4

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Login/Group Role Dialog

Use the *Login/Group Role* dialog to define a role. A role may be an individual user (with or without login privileges) or a group of users. Note that roles defined at the cluster level are shared by all databases in the cluster.

The *Login/Group Role* dialog organizes the creation and management of roles through the following dialog tabs: *General*, *Definition*, *Privileges*, *Parameters*, and *Security*. The *SQL* tab displays the SQL code generated by dialog selections.

Create - Login/Group Role

General

Definition

Privileges

Membership

Parameters

Security

SQL

Name

Comments

i

?

✕ Cancel

↺ Reset

💾 Save

Use the fields on the *General* tab to identify the role.

- Use the *Name* field to provide the name of the role. The name will be displayed in the tree control.
- Provide a note about the role in the *Comments* field.

Click the *Definition* tab to continue.

Create - Login/Group Role

General

Definition

Privileges

Membership

Parameters

Security

SQL

Password

...

Account expires

YYYY-MM-DD HH:mm:ss Z

📅

Connection limit

-1

i

?

✕ Cancel

↺ Reset

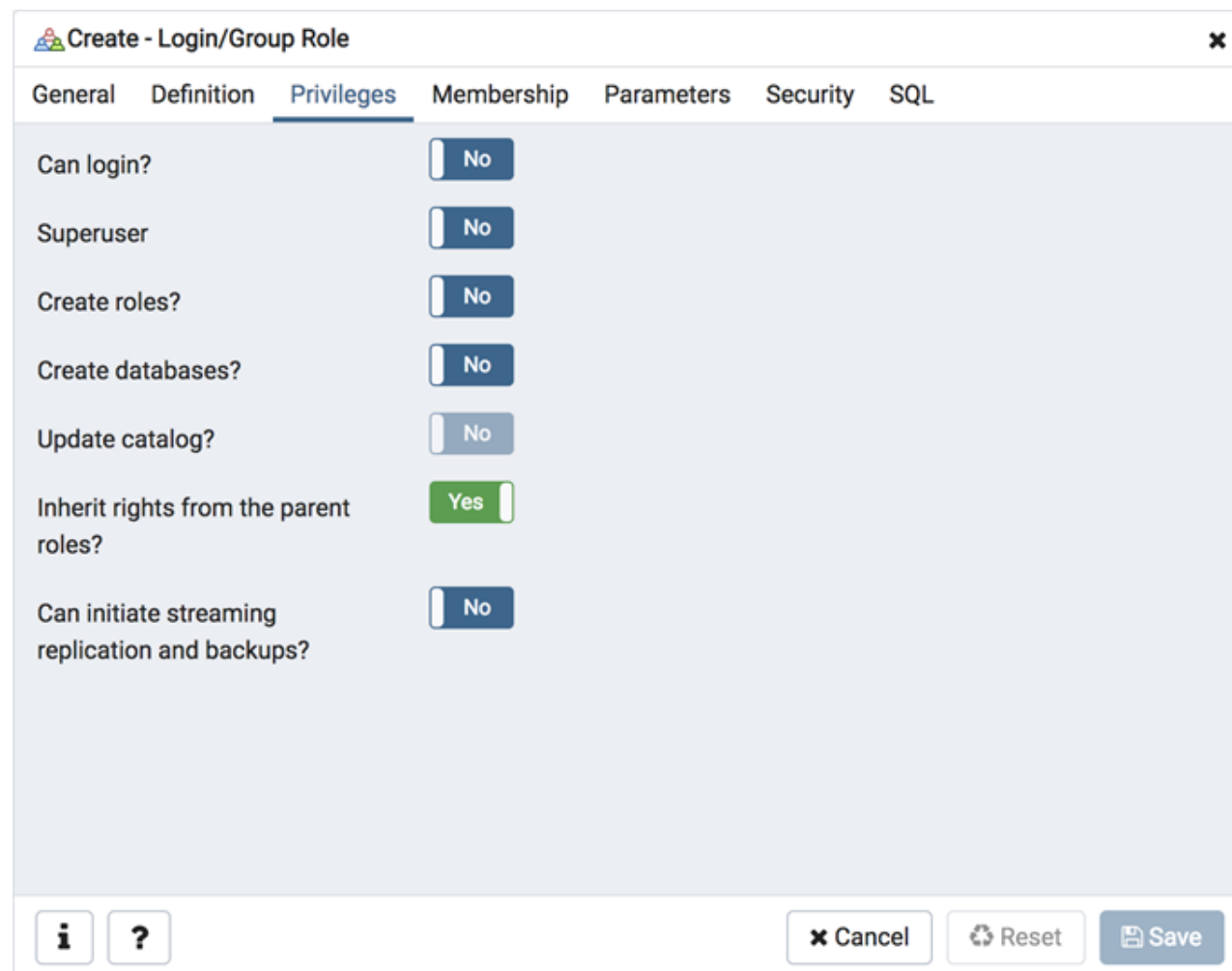
💾 Save

Use the *Definition* tab to set a password and configure connection rules:

- Provide a password that will be associated with the role in the *Password* field.
- Provide an expiration date for the password in the *Account Expires* field (the role does not expire). The expiration date is not enforced when a user logs in with a non-password-based authentication method.

- If the role is a login role, specify how many concurrent connections the role can make in the *Connection Limit* field. The default value (-1) allows unlimited connections.

Click the *Privileges* tab to continue.



The screenshot shows the 'Create - Login/Group Role' dialog box with the 'Privileges' tab selected. The dialog has tabs for General, Definition, Privileges, Membership, Parameters, Security, and SQL. The Privileges tab contains several toggle switches for role permissions:

Privilege	Value
Can login?	No
Superuser	No
Create roles?	No
Create databases?	No
Update catalog?	No
Inherit rights from the parent roles?	Yes
Can initiate streaming replication and backups?	No

At the bottom of the dialog, there are buttons for 'Cancel', 'Reset', and 'Save', along with information and help icons.

Use the *Privileges* tab to grant privileges to the role.

- Move the *Can login?* switch to the *Yes* position if the role has login privileges. The default value is *No*.
- Move the *Superuser* switch to the *Yes* position if the role is a superuser within the database. The default value is *No*.
- Move the *Create roles?* switch to the *Yes* position to specify whether a role is permitted to create roles. A role with this privilege can alter and drop roles. The default value is *No*.
- Move the *Create databases* switch to the *Yes* position to control whether a role can create databases. The default value is *No*.
- The *Update catalog?* switch is disabled until the role is given superuser privileges. Move the *Update catalogs?* switch to the *No* position to control whether a role can update catalogs. The default value is *Yes* when the *Superuser* switch is in the *Yes* position.
- Move the *Inherit rights from the parent roles?* switch to the *No* position if a role does not inherit privileges. The default value is *Yes*.
- Move the *Can initiate streaming replication and backups?* switch to the *Yes* position to control whether a role can initiate streaming replication or put the system in and out of backup mode. The default value is *No*.

Create - Login/Group Role

GeneralDefinitionPrivilegesMembershipParametersSecuritySQL

Roles

aq_administrator_role

Select the checkbox for roles to include WITH ADMIN OPTION.

i?

CancelResetSave

- Specify members of the role in the *Role Membership* field. Click inside the *Roles* field to select role names from a drop down list. Confirm each selection by checking the checkbox to the right of the role name; delete a selection by clicking the x to the left of the role name. Membership conveys the privileges granted to the specified role to each of its members.

Click the *Parameters* tab to continue.

Create - Login/Group Role

General

Definition

Privileges

Membership

Parameters

Security

SQL

Parameters

Name	Value	Database
------	-------	----------

i?

Cancel

Reset

Save

Use the fields on the *Parameters* tab to set session defaults for a selected configuration parameter when the role is connected to a specified database. This tab invokes the ALTER ROLE... SET configuration_parameter syntax. Click the *Add* icon (+) to assign a value for a parameter.

- Use the drop-down listbox in the *Name* field to select a parameter.
- Use the *Value* field to specify a value for the parameter.

- Use the drop-down listbox in the *Database* field to select a database.

Click the *Add* icon (+) to specify each additional parameter; to discard a parameter, click the trash icon to the left of the row and confirm the deletion in the *Delete Row* popup.

Click the *Security* tab to continue.

The screenshot shows a dialog box titled "Create - Login/Group Role" with a close button (X) in the top right corner. The dialog has several tabs: General, Definition, Privileges, Membership, Parameters, Security (selected), and SQL. The Security tab is active, displaying a table with the title "Security Labels" and a plus icon (+) to add new labels. The table has two columns: "Provider" and "Security Label". Below the table is a large empty area for adding labels. At the bottom of the dialog, there are buttons for "i", "?", "Cancel", "Reset", and "Save".

Use the *Security* tab to define security labels applied to the role. Click the *Add* icon (+) to add each security label selection.

- Specify a security label provider in the *Provider* field. The named provider must be loaded and must consent to the proposed labeling operation.
- Specify a security label in the *Security Label* field. The meaning of a given label is at the discretion of the label provider. PostgreSQL places no restrictions on whether or how a label provider must interpret security labels; it merely provides a mechanism for storing them.

To discard a security label, click the trash icon to the left of the row and confirm the deletion in the *Delete Row* popup.

Click the *SQL* tab to continue.

Your entries in the *Login/Group Role* dialog generate a SQL command (see an example below). Use the *SQL* tab for review; revisit or switch tabs to make any changes to the SQL command.

Example ¶

The following is an example of the sql command generated by user selections in the *Login/Group Role* dialog:

Create - Login/Group Role

General

Definition

Privileges

Membership

Parameters

Security

SQL

1

CREATE ROLE "EDB" WITH

2

NOLOGIN

3

NOSUPERUSER

4

NOCREATEDB

5

NOCREATEROLE

6

INHERIT

7

NOREPLICATION

8

CONNECTION LIMIT -1

9

PASSWORD 'xxxxxx';

10

GRANT aq_administrator_role TO "EDB" WITH ADMIN OPTION;

i

?

✕ Cancel

↺ Reset

💾 Save

The example creates a login role named *alice* with *pem_user* privileges; the role can make unlimited connections to the server at any given time.

- Click the Info button (*i*) to access online SQL help.
- Click the Help button (?) to access the documentation for the dialog.
- Click the Save button to save work.
- Click the *Cancel* button to exit without saving work.
- Click the *Reset* button to restore configuration parameters.