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

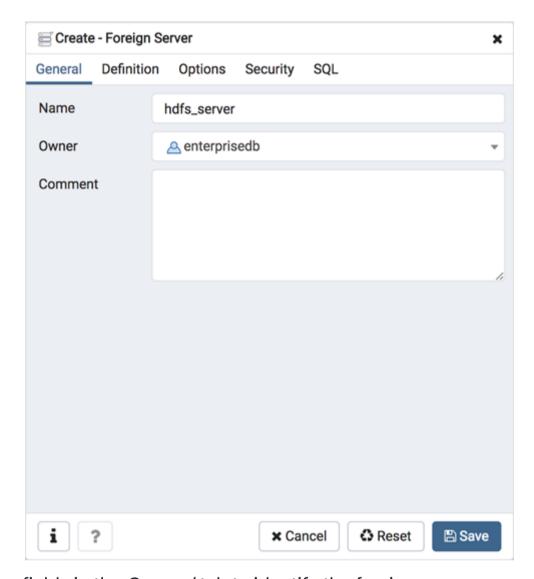
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Use the *Foreign Server* dialog to create a foreign server. A foreign server typically encapsulates connection information that a foreign-data wrapper uses to access an external data resource. Each foreign data wrapper may connect to a different foreign server; in the *pgAdmin* tree control, expand the node of the applicable foreign data wrapper to launch the *Foreign Server* dialog.

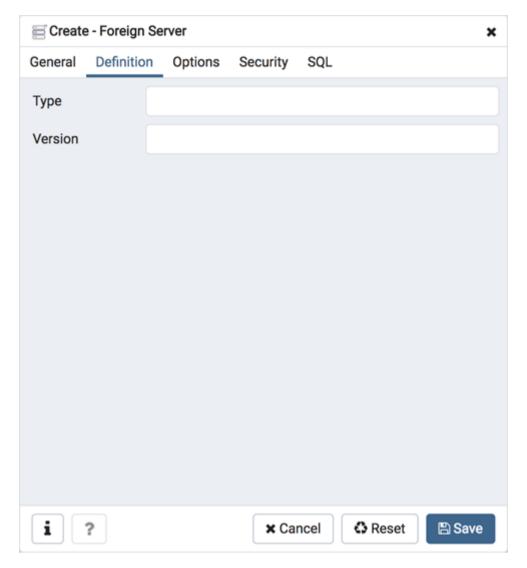
The Foreign Server dialog organizes the development of a foreign server through the following dialog tabs: General, Definition, Options, and Security. The SQL tab displays the SQL code generated by dialog selections.



Use the fields in the *General* tab to identify the foreign server:

- Use the *Name* field to add a descriptive name for the foreign server. The name will be displayed in the *pgAdmin* tree control. It must be unique within the database.
- Use the drop-down listbox next to Owner to select a role.
- Store notes about the foreign server in the *Comment* field.

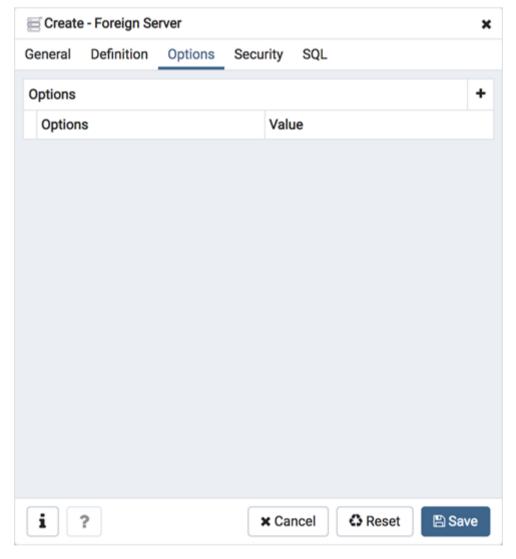
Click the *Definition* tab to continue.



Use the fields in the *Definition* tab to set parameters:

- Use the *Type* field to specify a server type.
- Use the *Version* field to specify a server version.

Click the Options tab to continue.

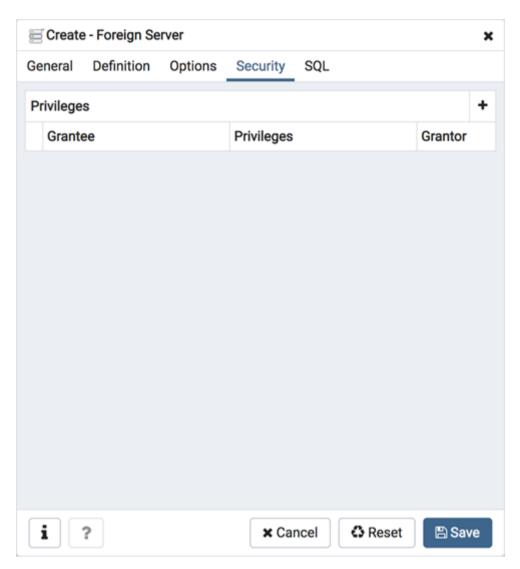


Use the fields in the *Options* tab to specify options. Click the *Add* button to create an option clause for the foreign server.

- Specify the option name in the *Option* field.
- Provide a corresponding value in the Value field.

Click *Add* to create each additional clause; to discard an option, click the trash icon to the left of the row and confirm deletion in the *Delete Row* popup.

Click the Security tab to continue.



Use the *Security* tab to assign security privileges to the foreign server. Click *Add* before you assign a set of privileges.

- Select the name of the role from the drop-down listbox in the *Grantee* field.
- Click inside the *Privileges* field. Check the boxes to the left of one or more privileges to grant the selected privileges to the specified user.
- The current user, who is the default grantor for granting the privilege, is displayed in the *Grantor* field.

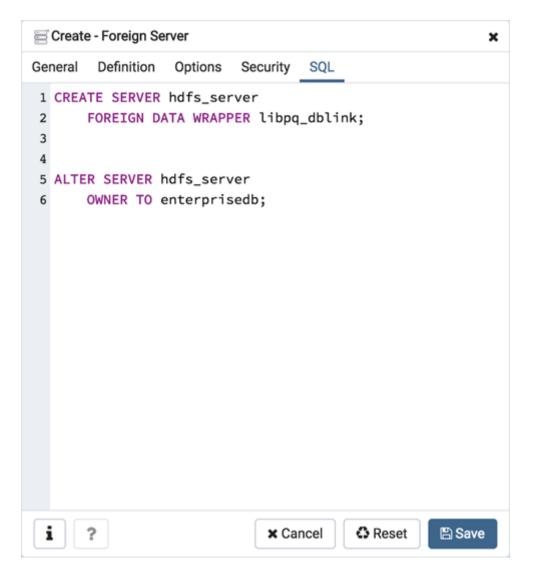
Click *Add* to assign a new set of privileges; to discard a privilege, click the trash icon to the left of the row and confirm deletion in the *Delete Row* dialog.

Click the SQL tab to continue.

Your entries in the *Foreign Server* 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 *Foreign Server* dialog:



The example shown demonstrates creating a foreign server for the foreign data wrapper *hdfs_fdw*. It has the name *hdfs_server*; its type is *hiveserver2*. Options for the foreign server include a host and a port.

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