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

Contents

Check Dialog ¶

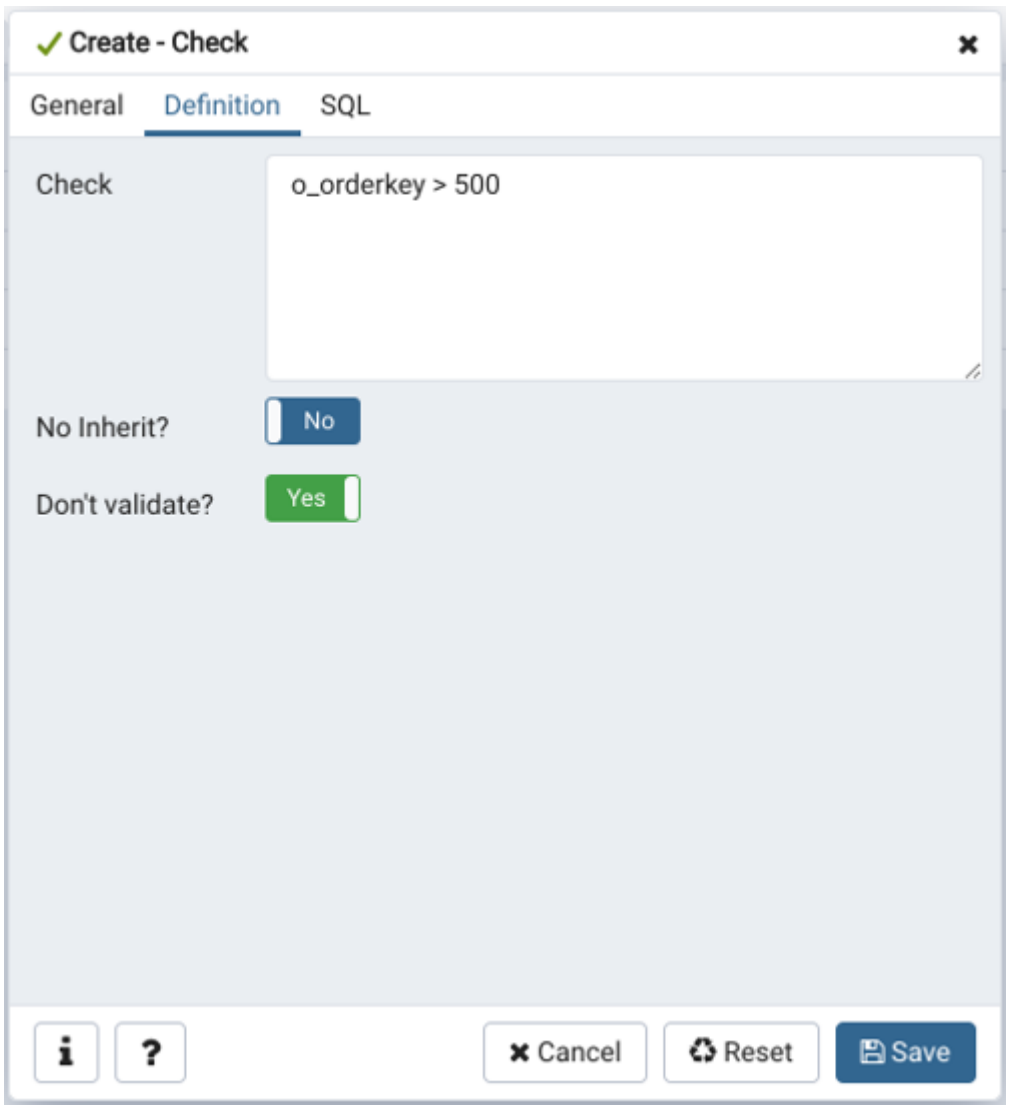
Use the *Check* dialog to define or modify a check constraint. A check constraint specifies an expression that produces a Boolean result that new or updated rows must satisfy for an insert or update operation to succeed.

The *Check* dialog organizes the development of a check constraint through the *General* and *Definition* tabs. The *SQL* tab displays the SQL code generated by dialog selections.

Use the fields in the *General* tab to identify the check constraint:

- Use the *Name* field to provide a descriptive name for the check constraint that will be displayed in the *pgAdmin* tree control. With PostgreSQL 9.5 forward, when a table has multiple check constraints, they will be tested for each row in alphabetical order by name and after NOT NULL constraints.
- Store notes about the check constraint in the *Comment* field.

Click the *Definition* tab to continue.



Use the fields in the *Definition* tab to define the check constraint:

- Provide the expression that a row must satisfy in the *Check* field.

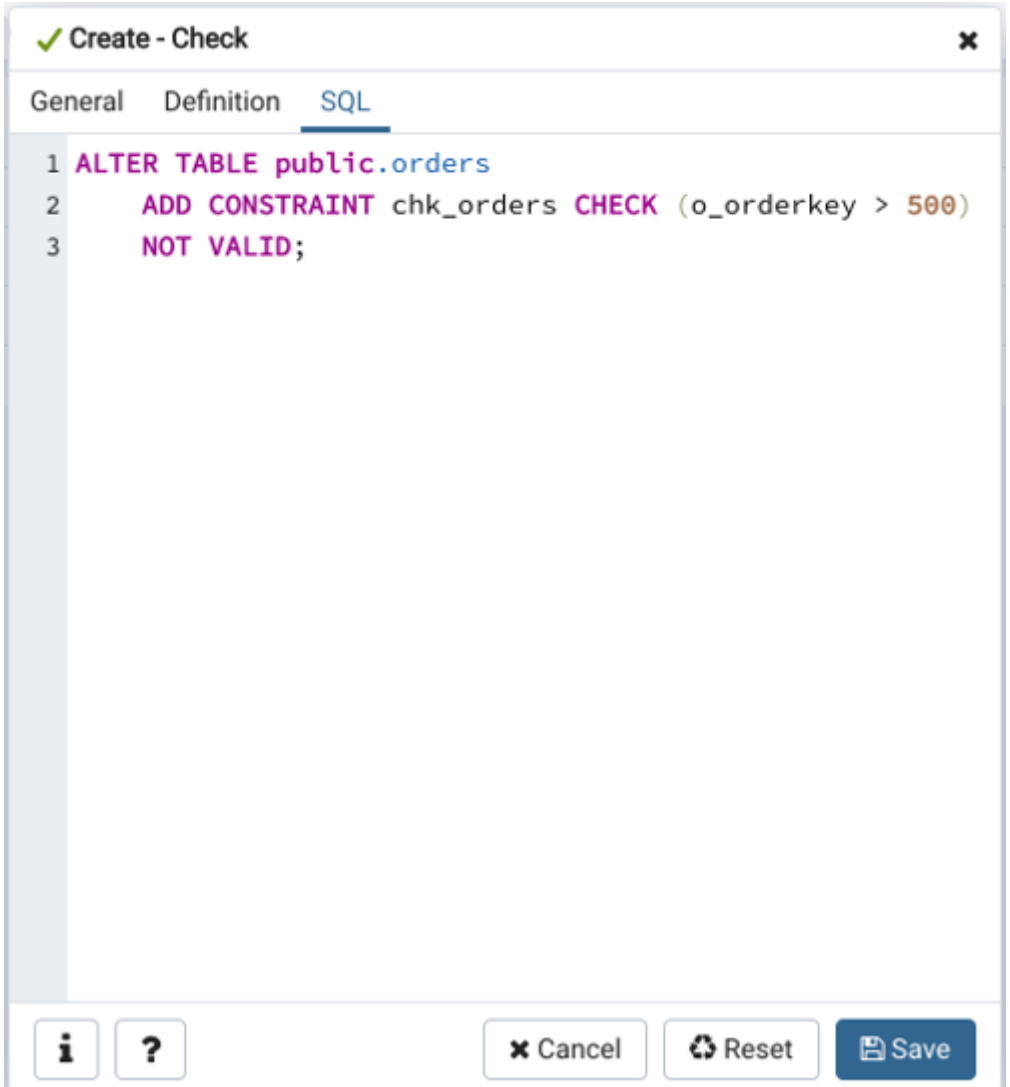
- Move the *No Inherit?* switch to the *Yes* position to specify that this constraint is not automatically inherited by a table's children. The default is *No*, meaning that the constraint will be inherited by any children.
- Move the *Don't validate?* switch to the *No* position to skip validation of existing data; the constraint may not hold for all rows in the table. The default is *Yes*.

Click the *SQL* tab to continue.

Your entries in the *Check* 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 *Check* dialog:



The example shown demonstrates creating a check constraint named *check_ price* on the *price* column of the *products* table. The constraint confirms that any values added to the column are greater than 0.

- 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.