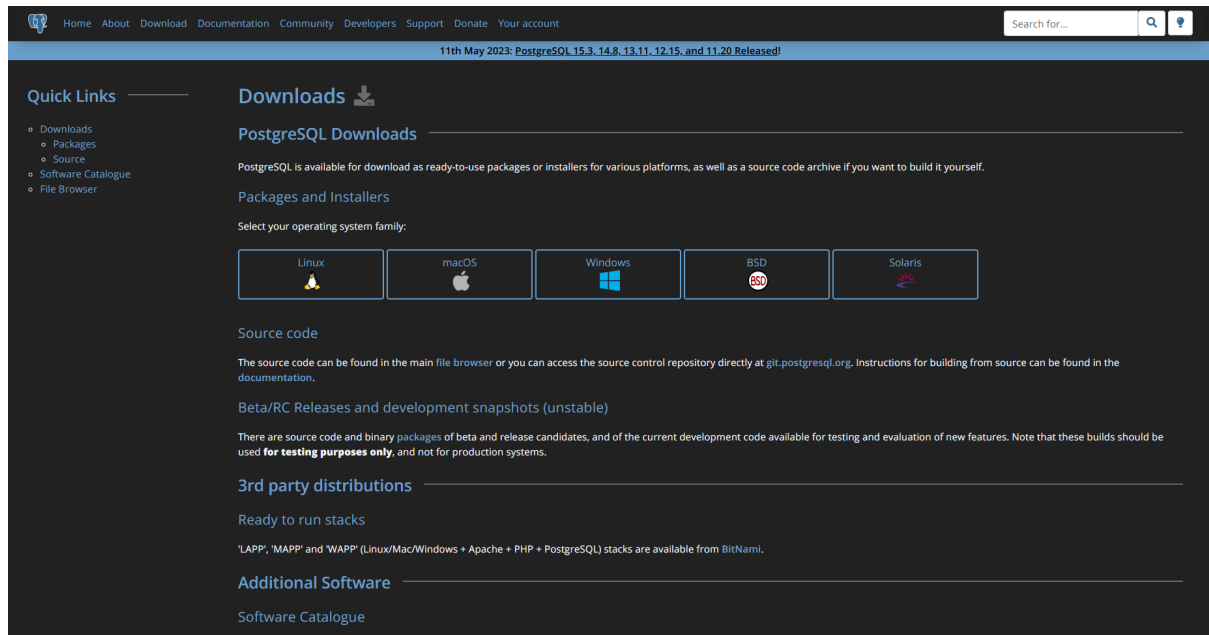
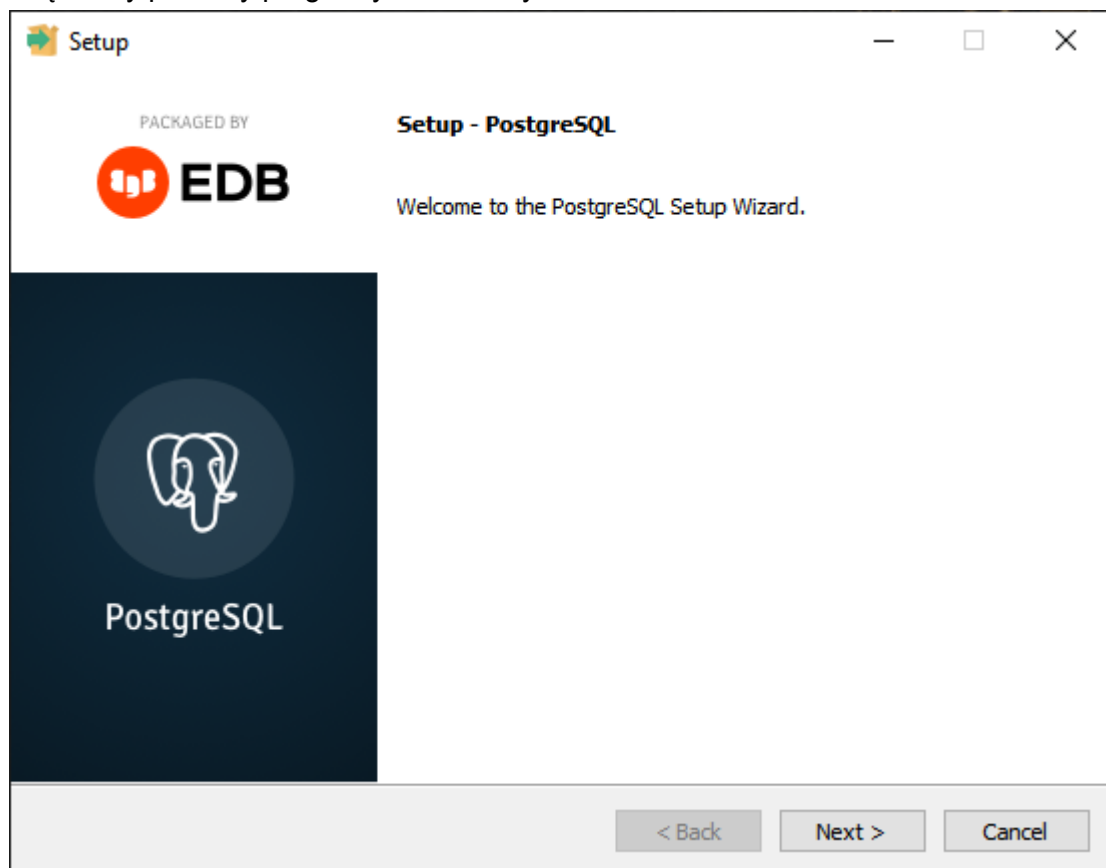


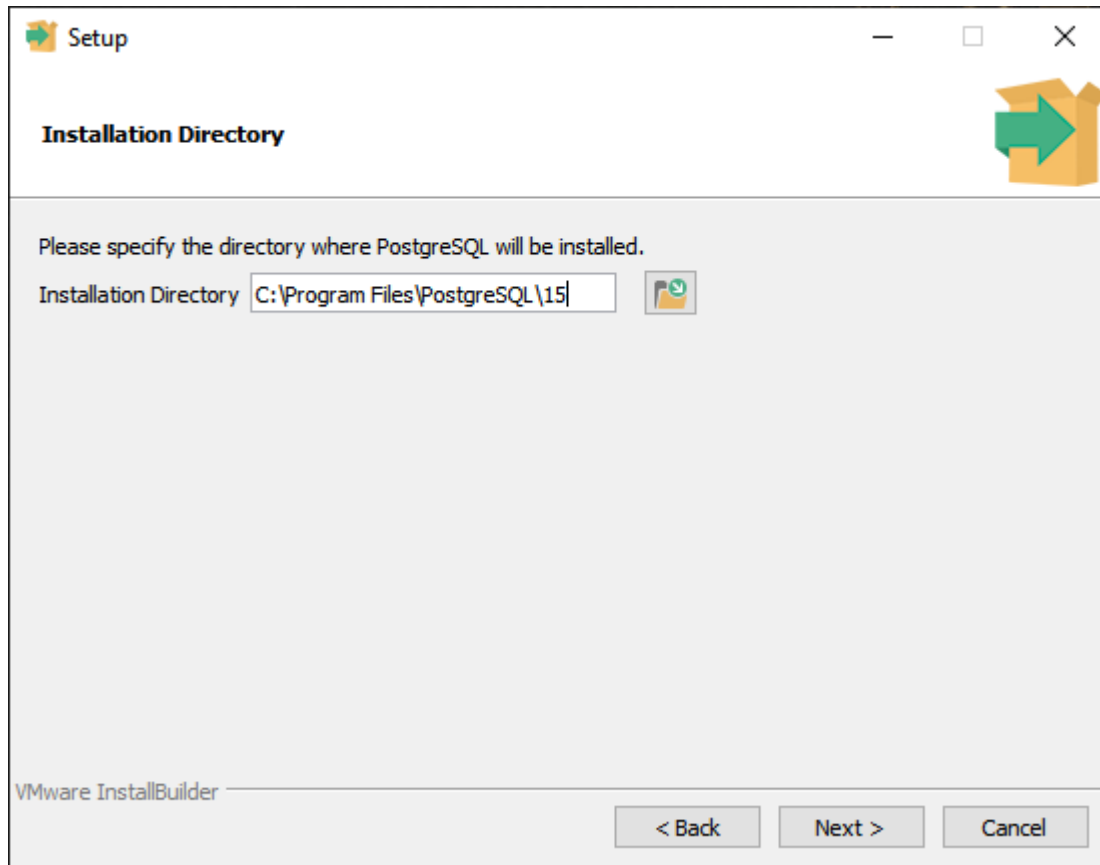
1. Pobieramy program ze strony [PostgreSQL: Downloads](https://www.postgresql.org/download/)



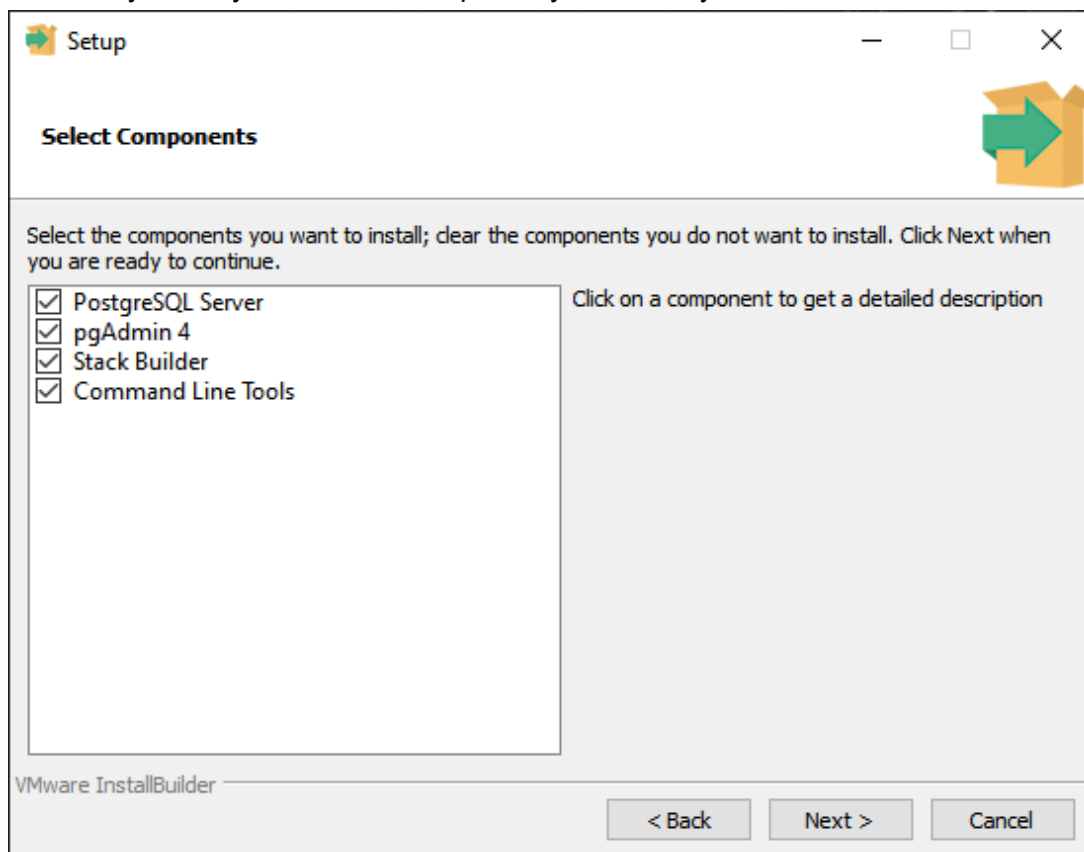
2. Włączamy pobrany programy i wciskamy Next>



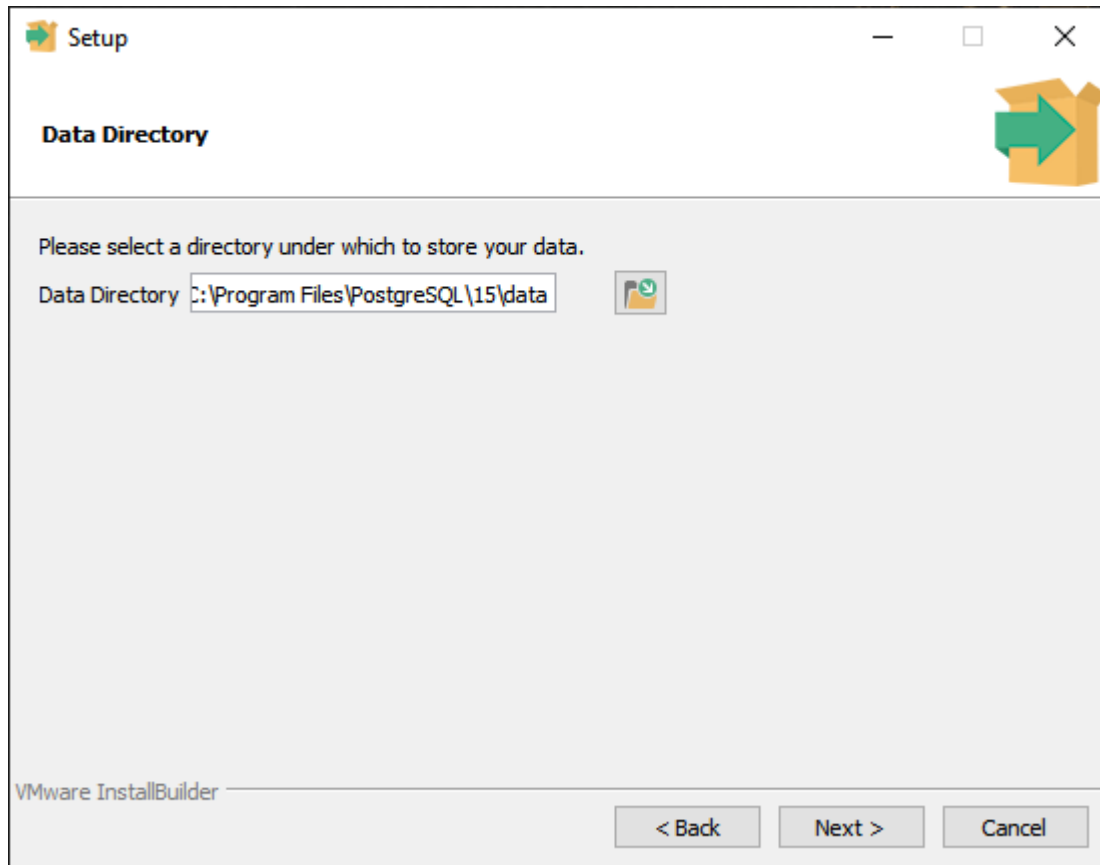
3. Wybieramy folder w którym chcemy zainstalować program i wciskamy Next>



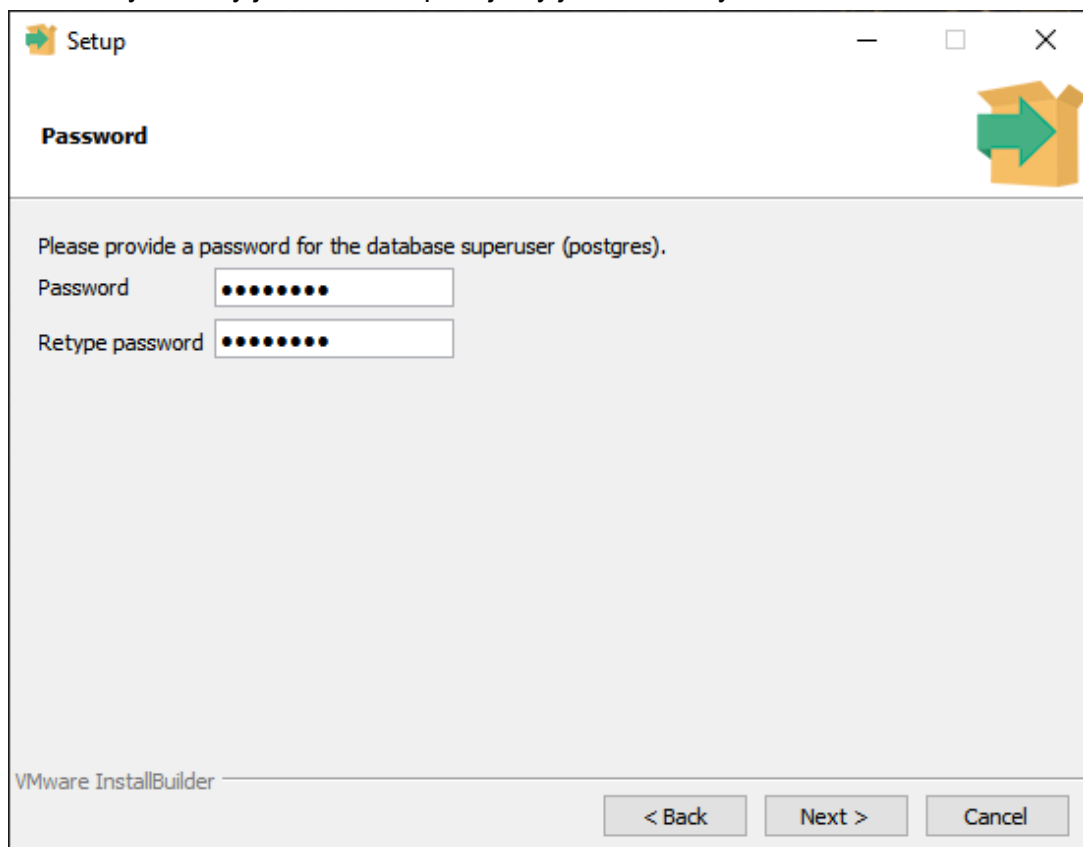
4. Wybieramy dodatkowe komponenty i wciskamy Next>



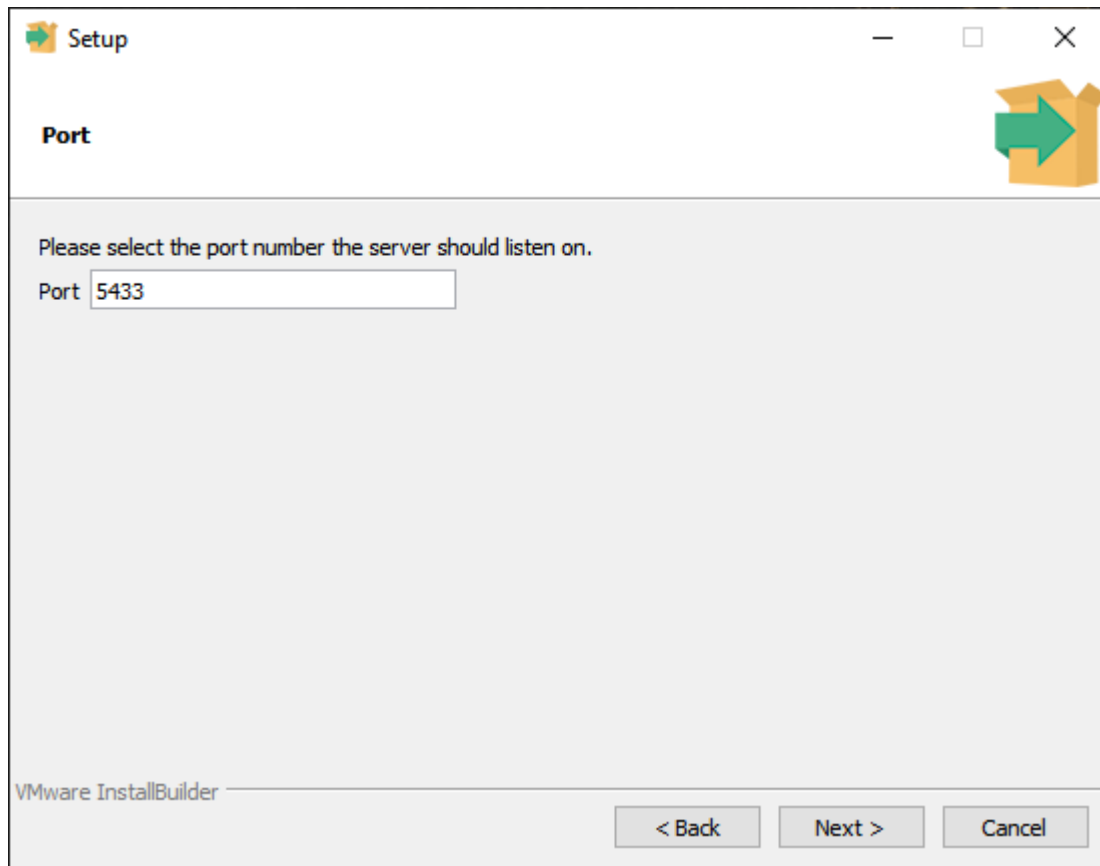
5. Wybieramy folder na dane i wciskamy Next>



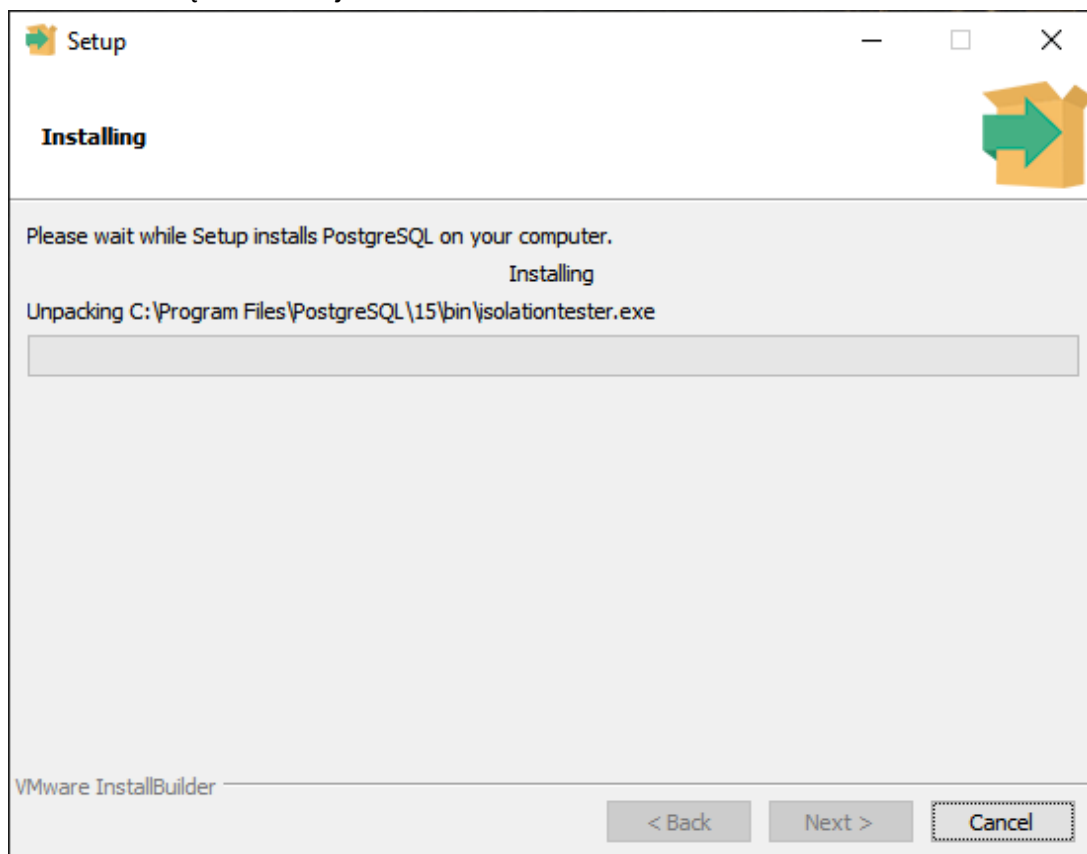
6. Wybieramy jakieś hasło, podajemy je i wciskamy Next>



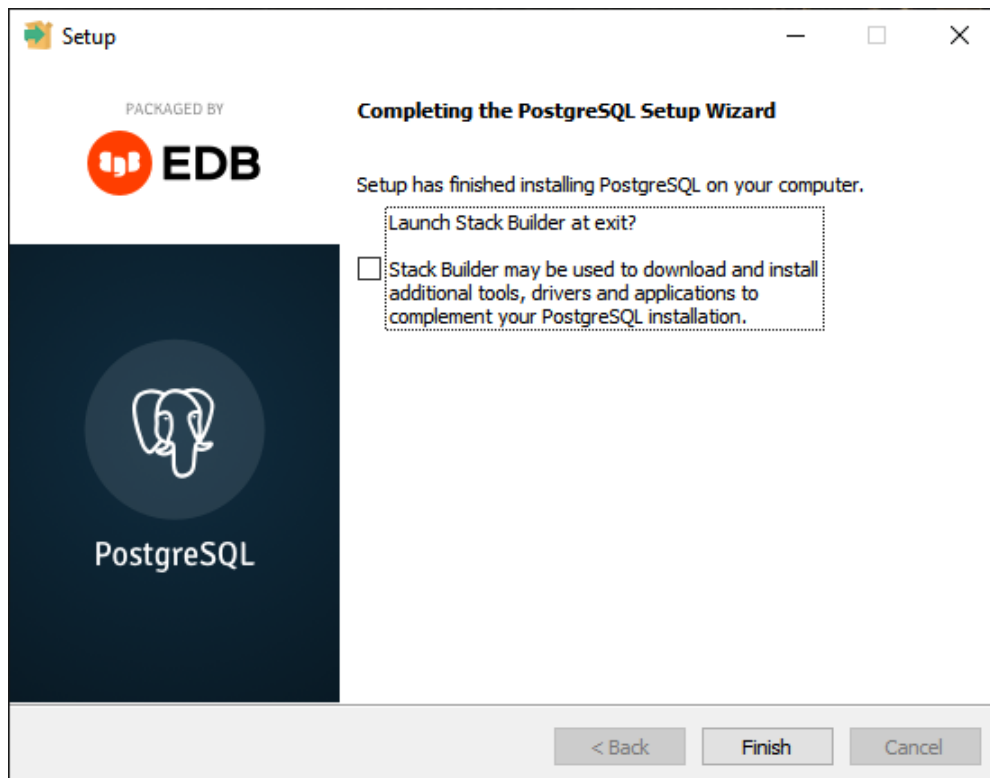
7. Podajemy numer portu i wciskamy Next>



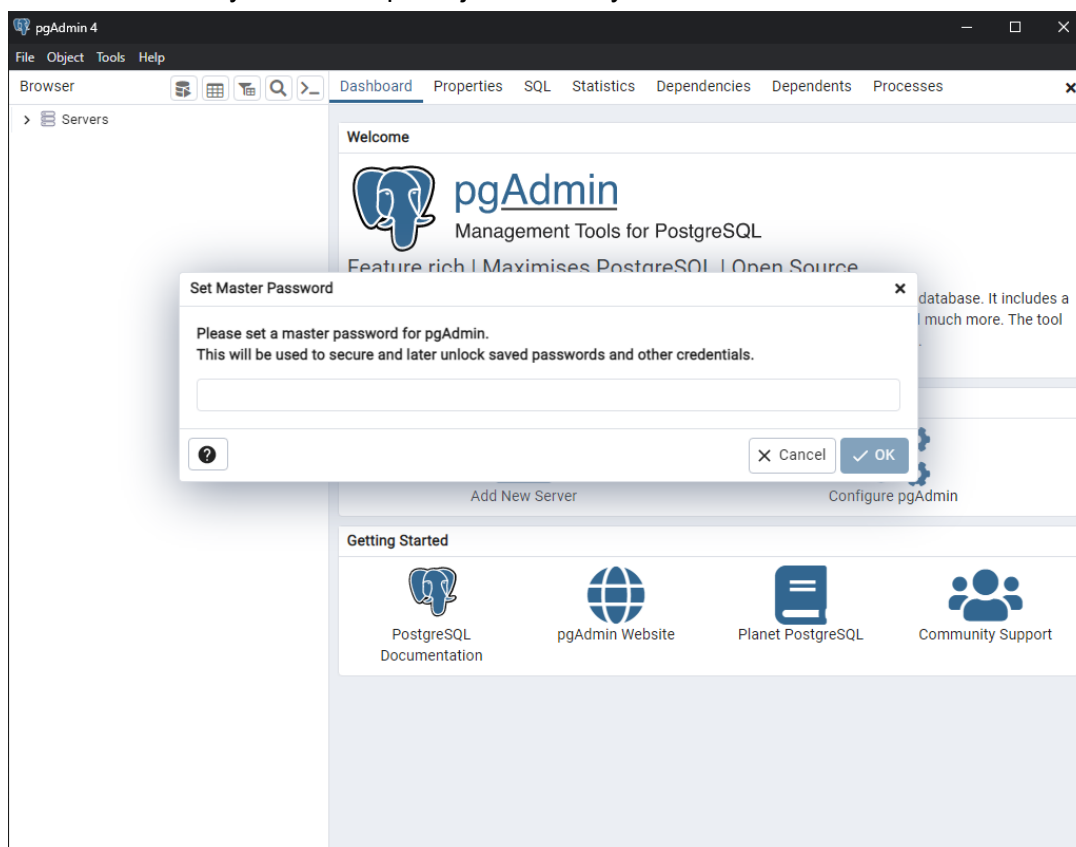
8. Kończąca instalacja



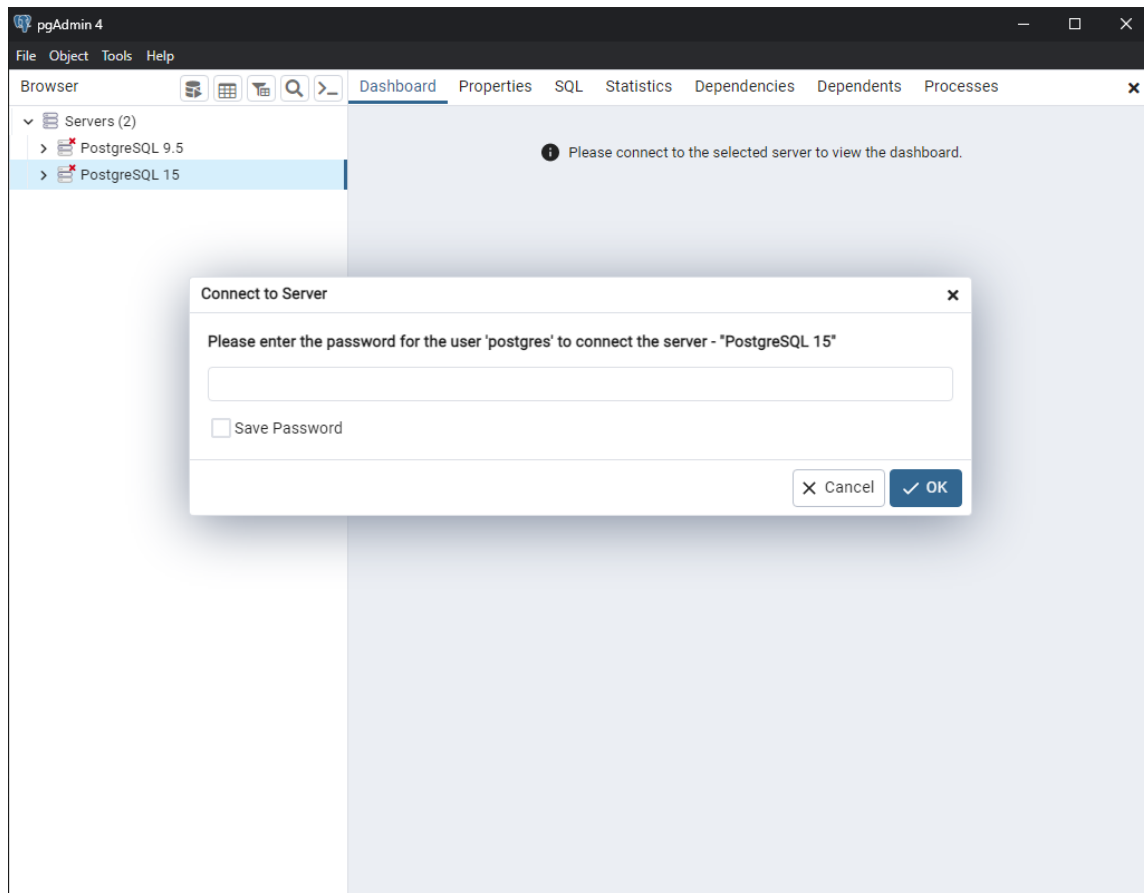
9. Instalacja zakończona.



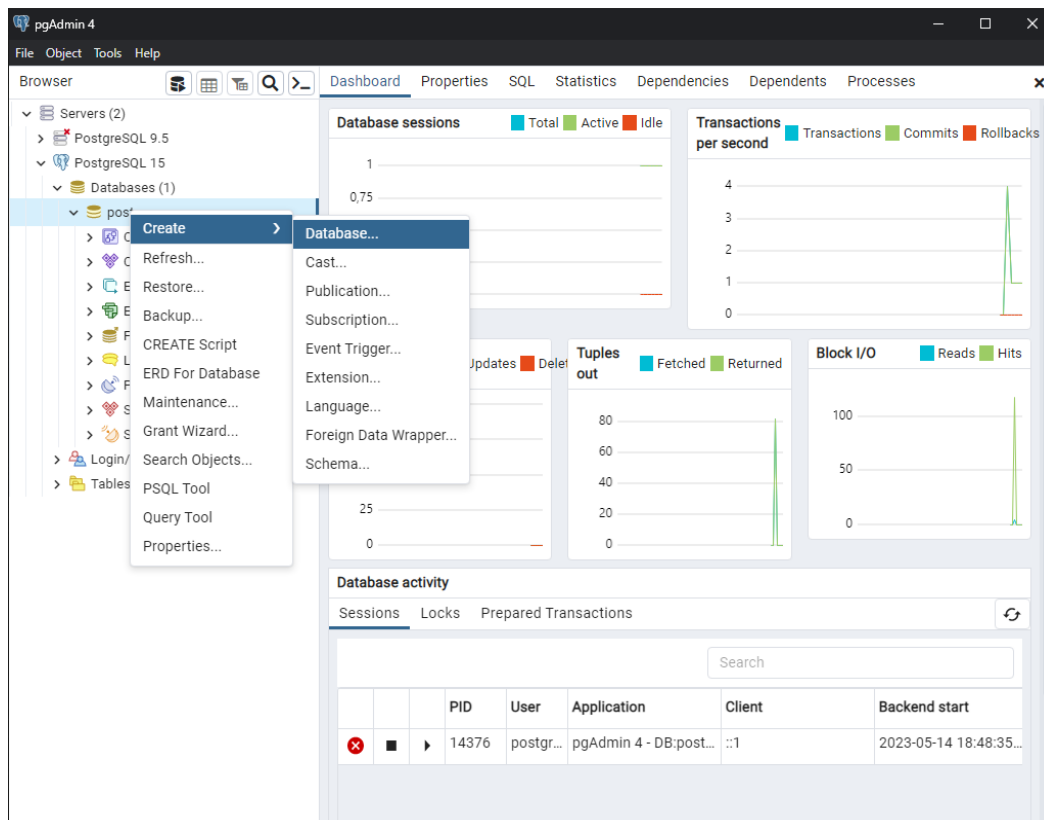
1. Otwieramy pgAdmin
2. Ustawiamy hasło do aplikacji i wciskamy OK



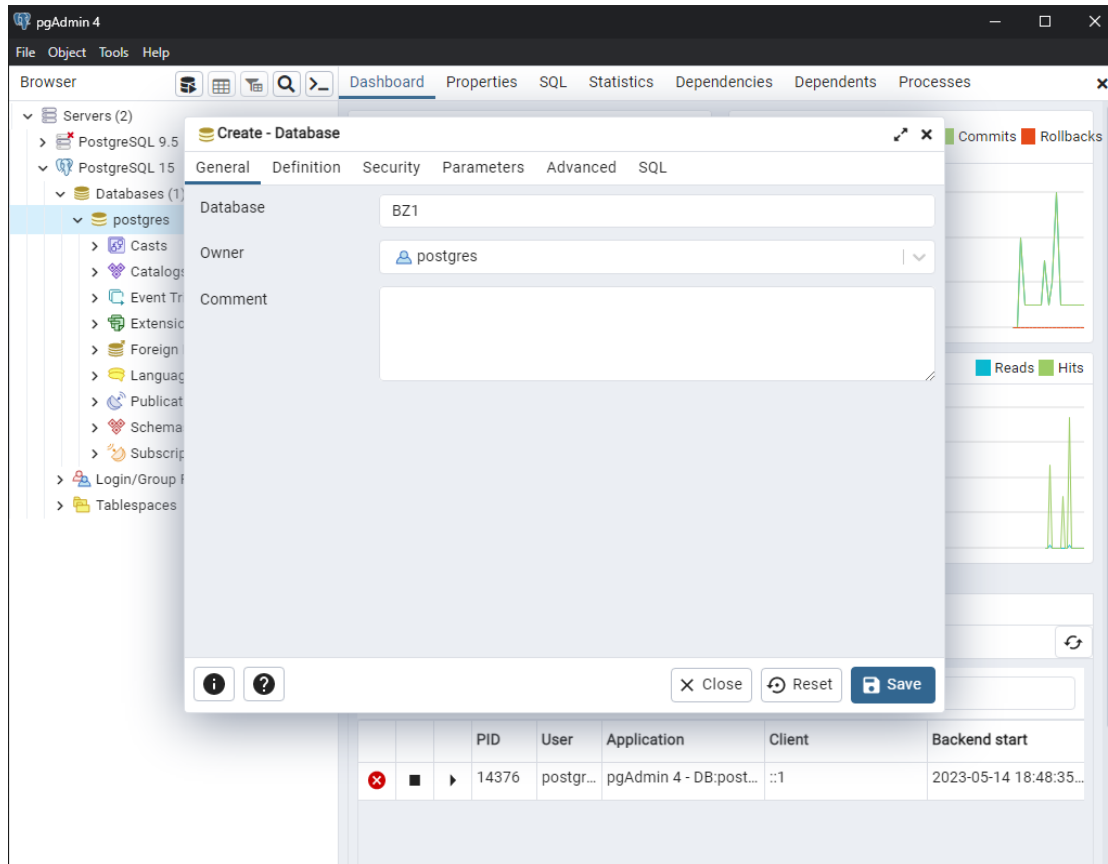
3. Klikamy serwer i logujemy się do niego.



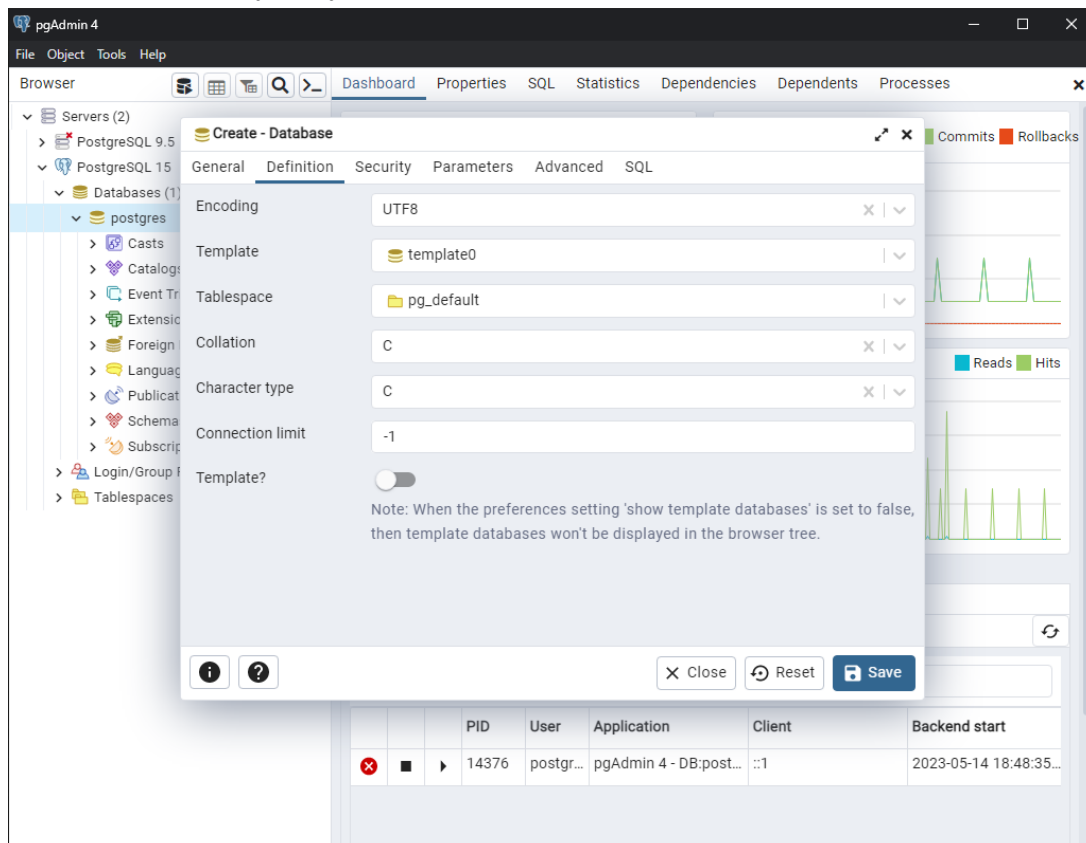
4. Rozwijamy Databases, klikamy Create, Database



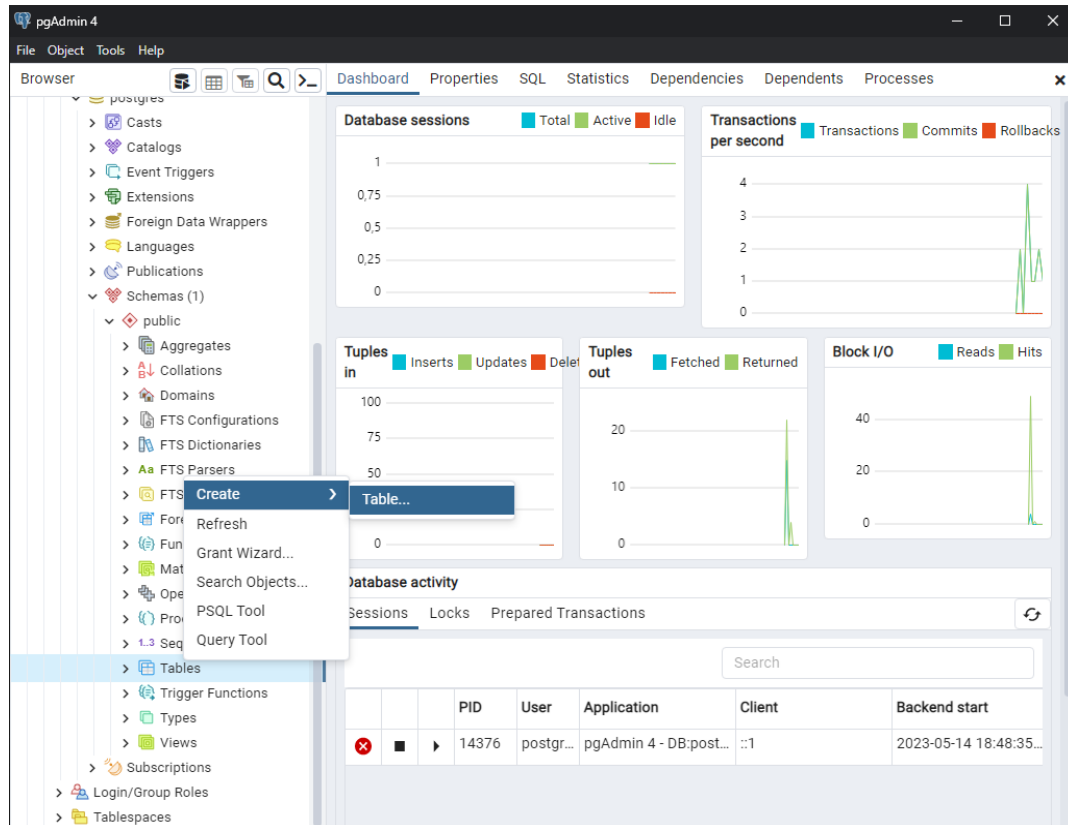
5. Wpisujemy nazwę bazy



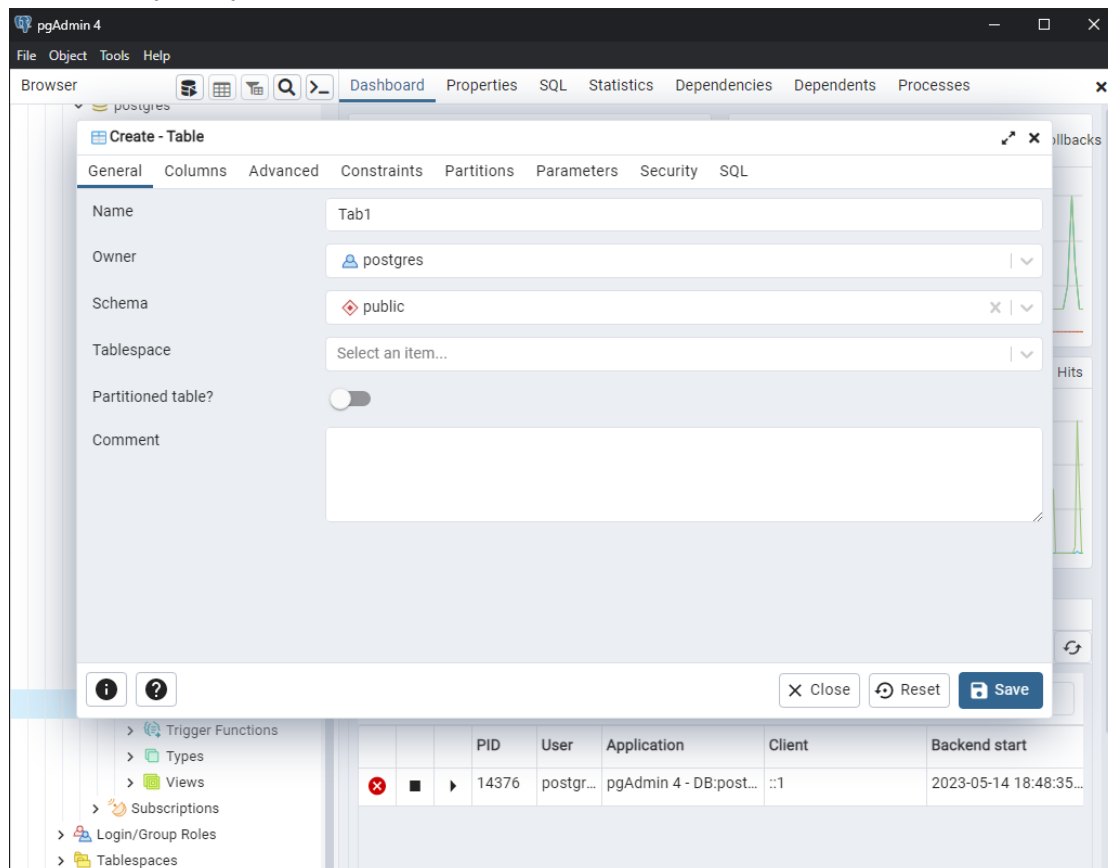
6. Uzupełniamy wszystko okienka



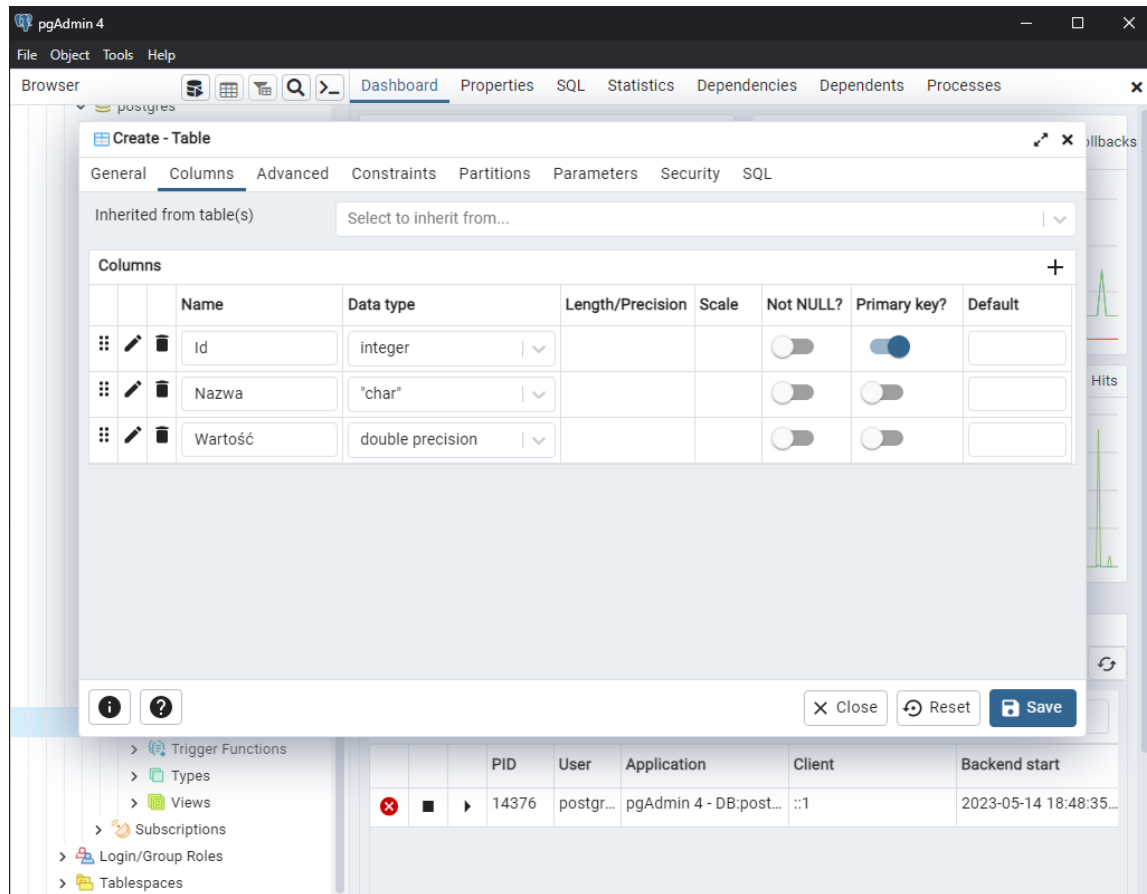
7. Schemas, Public, Tables. Prawym na Tables, Create, Table



8. Nazywamy tabelę

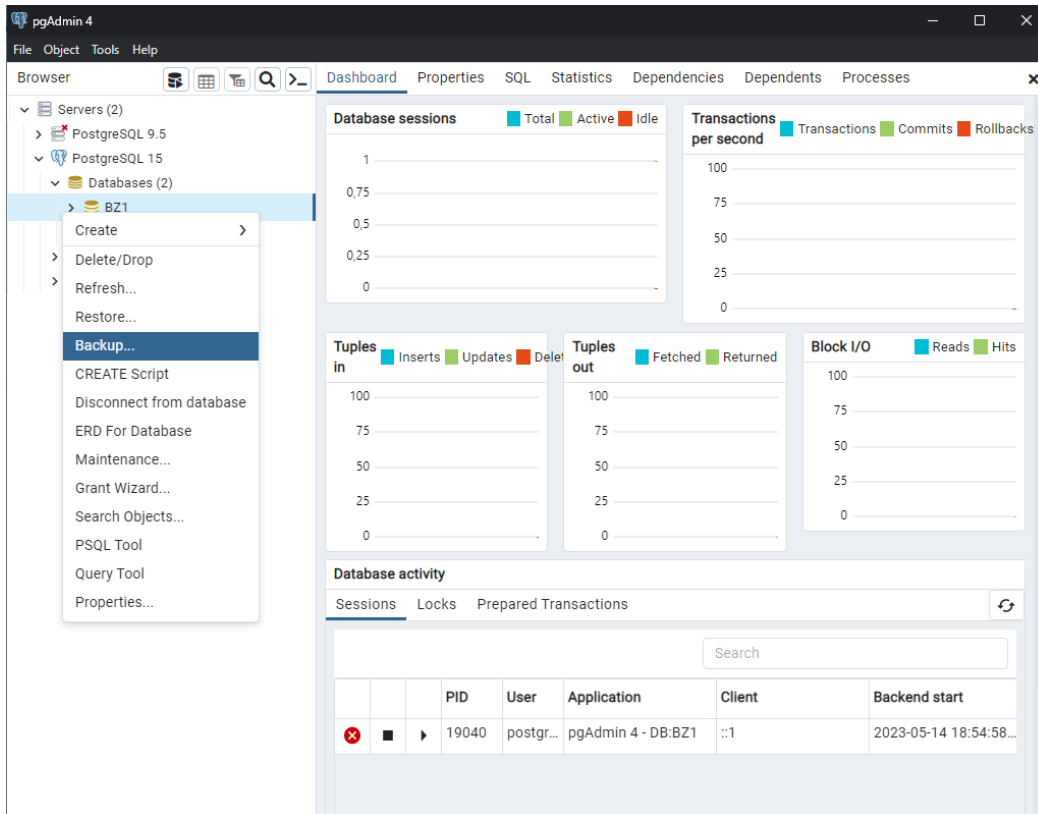


9. Zakładka Columns tworzymy kolumny, nazywamy je, dajemy typy danych. Zaznaczamy też gdzie ma być Primary Key i dajemy Save.

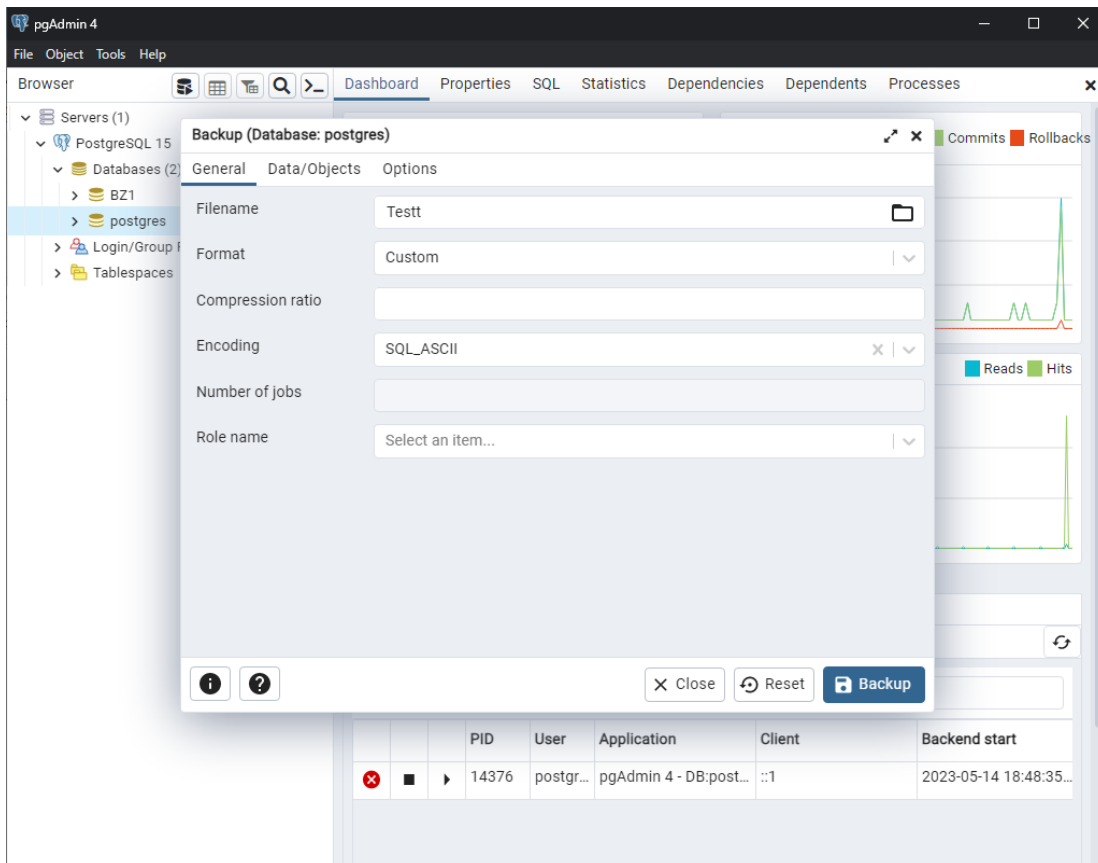


Backup danych

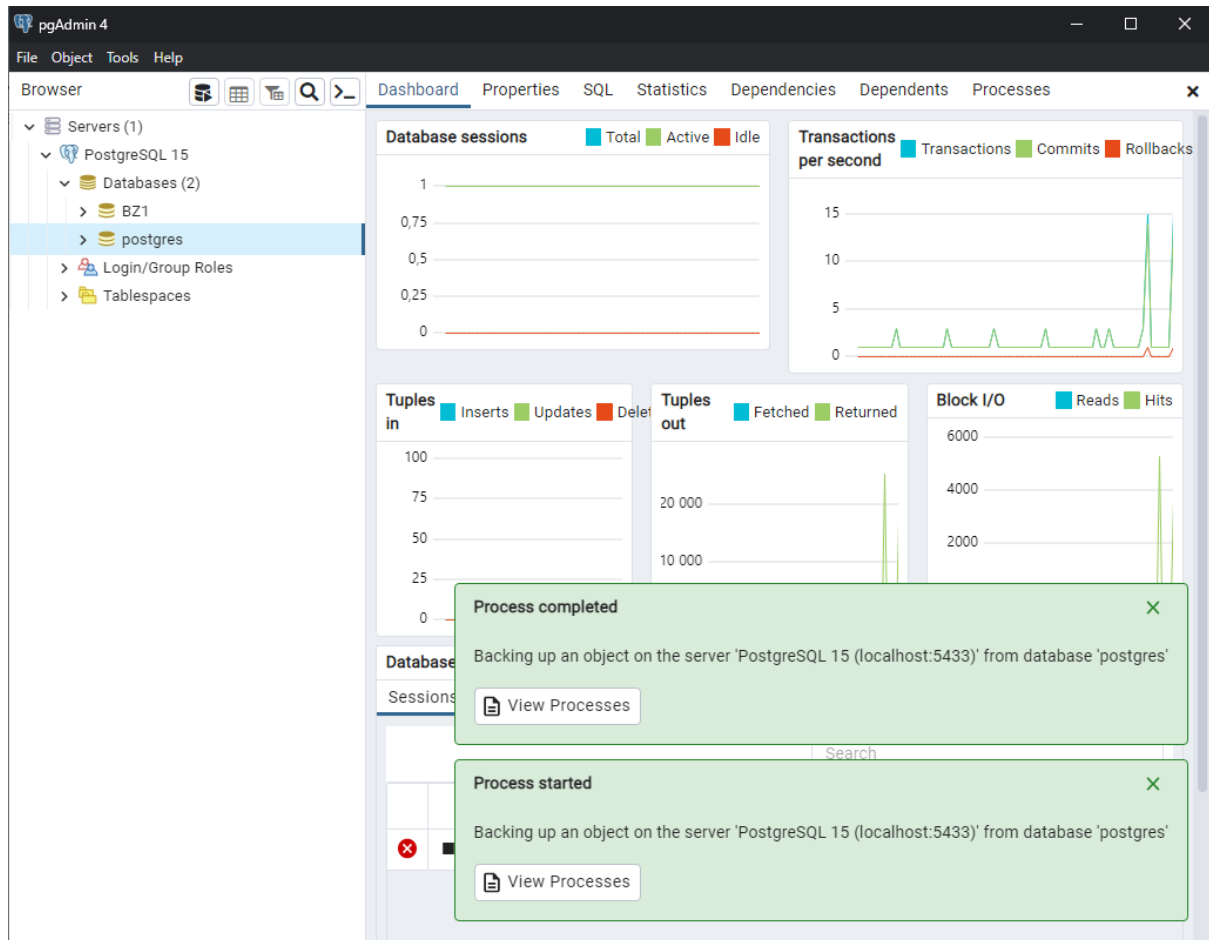
1. Aby utworzyć Backup klikamy prawym na bazę danych i klikamy Backup



2. Nadajemy nazwę



3. Pomyśle utworzenie kopii



Przywracanie kopii

1. Klikamy prawym na bazę danych i klikamy Restore

The screenshot shows the pgAdmin 4 interface. On the left, the 'Browser' pane displays a tree structure: 'Servers (1)' > 'PostgreSQL 15' > 'Databases (2)' > 'BZ1' > 'postgr...'. A right-click context menu is open over the 'postgr...' database, with the 'Restore...' option highlighted. The main pane shows the 'Dashboard' tab with several performance charts: 'Database sessions' (Total, Active, Idle), 'Transactions per second' (Transactions, Commits, Rollbacks), 'Tuples in' (Inserts, Updates, Deletes), 'Tuples out' (Fetched, Returned), and 'Block I/O' (Reads, Hits). At the bottom, the 'Database activity' section is visible, showing a table of active sessions.

Database activity							
Sessions							
			PID	User	Application	Client	Backend start
✖	■	▶	14376	postgr...	pgAdmin 4 - DB:post...	::1	2023-05-14 18:48:35...

2. Wybieramy ścieżkę i wciskamy Restore

